



# Cedar LNG Project

## Environmental Assessment Certificate Application

Final Submission

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Revision 1

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# Table of Contents

<b>Executive Summary</b> .....	<b>ES-1</b>
<b>Concordance Table</b> .....	<b>CT-1</b>
<b>Abbreviations</b> .....	<b>AB-1</b>
<b>1.0 Project Overview</b> .....	<b>1-1</b>
1.1 Project Context .....	1-1
1.2 Proponent Description .....	1-3
1.3 Project Location .....	1-5
1.3.1 Infrastructure and Shipping Route .....	1-5
1.3.2 Current Land and Marine Use .....	1-6
1.3.3 Indigenous Territories .....	1-9
1.4 Project Components .....	1-11
1.4.1 Floating LNG Facility .....	1-13
1.4.2 Marine Terminal .....	1-15
1.4.3 Supporting Infrastructure .....	1-16
1.5 Project Activities .....	1-17
1.5.1 Construction .....	1-17
1.5.2 Facility Operation .....	1-19
1.5.3 LNG Shipping .....	1-20
1.5.4 Decommissioning .....	1-20
1.5.5 Physical Activities Incidental to the Project .....	1-20
1.5.6 Gas Supply .....	1-21
1.6 Operation Waste Management .....	1-21
1.6.1 Liquid Effluents .....	1-21
1.6.2 Air Emissions .....	1-22
1.6.3 Solid Wastes .....	1-22
1.7 Schedule .....	1-23
1.8 Workforce Requirements .....	1-24
1.9 Alternative Means of Carrying out the Project .....	1-25
1.9.1 Location of Gas Treatment and Liquefaction Facilities and LNG Storage .....	1-26
1.9.2 Alternative Cooling Options for the Liquefaction Process .....	1-30



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1.9.3 Alternative Marine Terminal and Jetty Designs .....	1-34
1.9.4 Alternative Power Supply Options .....	1-38
1.9.5 Separation and Stabilization of Natural Gas Liquids .....	1-40
1.9.6 Water Source for the Firewater System.....	1-40
1.10 Figures .....	1-41
<b>2.0 Regulatory Framework .....</b>	<b>2-1</b>
2.1 Assessment Process .....	2-1
2.1.1 Pre-Application.....	2-2
2.1.2 Application Review.....	2-2
2.1.3 Decision .....	2-2
2.1.4 Cedar Process Information .....	2-2
2.2 Relevant Policies, Initiatives and Assessments.....	2-6
2.3 Land and Marine Use Plans .....	2-8
2.3.1 District of Kitimat .....	2-9
2.3.2 Kalum Land and Resource Management Plan .....	2-9
2.3.3 Pacific North Coast Integrated Management Area .....	2-10
2.3.4 Marine Plan Partnership for the North Pacific Coast .....	2-10
2.3.5 Indigenous Marine Use Plans .....	2-10
2.4 Indigenous Nation Arrangements .....	2-11
2.4.1 Province of British Columbia Arrangements .....	2-12
2.4.2 Government of Canada Arrangements .....	2-13
2.4.3 Cedar Arrangements.....	2-13
2.5 Permitting .....	2-13
<b>3.0 Public Engagement.....</b>	<b>3-1</b>
3.1 Potential Industry Partners .....	3-1
3.2 Engagement Activities To-Date .....	3-1
3.2.1 Cedar Communications Materials.....	3-2
3.2.2 Environmental Assessment Office-Led Consultation .....	3-2
3.2.3 Small Group Meetings .....	3-3
3.3 Public Consultation Summary.....	3-3
3.4 Planned Activities.....	3-6



---

<b>4.0 Local Government Engagement</b> .....	<b>4-1</b>
4.1 Engagement Activities To-Date .....	4-1
4.2 Local Government Summary .....	4-2
4.3 Planned Activities.....	4-4
<b>5.0 Valued Component Selection</b> .....	<b>5-1</b>
5.1 Valued Components Selected for the Assessment .....	5-1
5.2 Scope of the Assessment .....	5-4
<b>6.0 Valued Component Assessment Methods</b> .....	<b>6-1</b>
6.1 Relevant Statutes, Policies and Frameworks .....	6-1
6.2 Influence of Consultation and Engagement.....	6-7
6.3 Selection of Potential Effects and Indicators .....	6-8
6.4 Assessment Boundaries .....	6-8
6.4.1 Spatial Boundaries .....	6-8
6.4.2 Temporal Boundaries.....	6-9
6.4.3 Administrative Boundaries .....	6-9
6.4.4 Technical Boundaries .....	6-9
6.5 Existing Conditions .....	6-9
6.6 Project Interactions .....	6-11
6.7 Assessment of Effects .....	6-15
6.7.1 Analytical Methods.....	6-15
6.7.2 Mitigation and Enhancement Measures .....	6-15
6.7.3 Assessment of Residual Project Effects.....	6-16
6.8 Cumulative Effects Assessment .....	6-19
6.8.1 Project and Physical Activities Inclusion List .....	6-19
6.8.2 Identification of Project Effects Likely to Interact Cumulatively .....	6-24
6.8.3 Cumulative Effects Pathways .....	6-24
6.8.4 Mitigation and Enhancement Measures for Cumulative Effects.....	6-25
6.8.5 Summary of Cumulative Effects .....	6-25
6.9 Follow-up Strategy .....	6-25
6.10 Figures .....	6-26



<b>7.0 Valued Components Effects Assessment</b> .....	<b>7.1-1</b>
7.1 Environmental and Community Context .....	7.1-1
7.1.1 Project Location and Land and Marine Use.....	7.1-1
7.1.2 Air Quality and Acoustic.....	7.1-2
7.1.3 Vegetation Resources.....	7.1-3
7.1.4 Wildlife.....	7.1-3
7.1.5 Freshwater Fish .....	7.1-4
7.1.6 Marine Resources .....	7.1-5
7.1.7 Socio-economic .....	7.1-6
7.1.8 Heritage .....	7.1-6
7.2 Air Quality .....	7.2-1
7.2.1 Relevant Statutes, Policies and Frameworks .....	7.2-1
7.2.2 The Influence of Consultation and Engagement .....	7.2-3
7.2.3 Selection of Potential Effects and Indicators/Measurable Parameters.....	7.2-5
7.2.4 Boundaries .....	7.2-5
7.2.5 Existing Conditions .....	7.2-7
7.2.6 Project Interactions on Air Quality .....	7.2-14
7.2.7 Assessment of Effects on Air Quality.....	7.2-16
7.2.8 Assessment of Cumulative Effects on Air Quality .....	7.2-30
7.2.9 Prediction Confidence.....	7.2-32
7.2.10 Follow-up Strategy .....	7.2-32
7.2.11 Figures .....	7.2-33
7.3 Acoustic .....	7.3-1
7.3.1 Relevant Statutes, Policies and Frameworks .....	7.3-1
7.3.2 The Influence of Consultation and Engagement .....	7.3-5
7.3.3 Selection of Potential Effects and Indicators/Measurable Parameters.....	7.3-7
7.3.4 Boundaries .....	7.3-7
7.3.5 Existing Conditions .....	7.3-13
7.3.6 Project Interactions on Acoustic .....	7.3-18
7.3.7 Assessment of Effects on Acoustic.....	7.3-20
7.3.8 Assessment of Cumulative Effects on Acoustic .....	7.3-40
7.3.9 Prediction Confidence.....	7.3-43
7.3.10 Follow-up Strategy .....	7.3-43

---

7.3.11 Figures .....	7.3-44
7.4 Vegetation Resources.....	7.4-1
7.4.1 Relevant Statutes, Policies and Frameworks .....	7.4-1
7.4.2 The Influence of Consultation and Engagement .....	7.4-4
7.4.3 Selection of Potential Effects and Indicators/Measurable Parameters.....	7.4-8
7.4.4 Boundaries .....	7.4-10
7.4.5 Existing Conditions .....	7.4-14
7.4.6 Project Interactions on Vegetation Resources .....	7.4-32
7.4.7 Assessment of Effects on Vegetation Resources.....	7.4-34
7.4.8 Assessment of Cumulative Effects on Vegetation Resources.....	7.4-81
7.4.9 Prediction Confidence.....	7.4-96
7.4.10 Follow-up Strategy .....	7.4-96
7.4.11 Figures .....	7.4-97
7.5 Wildlife .....	7.5-1
7.5.1 Relevant Statutes, Policies and Frameworks .....	7.5-1
7.5.2 The Influence of Consultation and Engagement .....	7.5-5
7.5.3 Selection of Potential Effects and Indicators/Measurable Parameters.....	7.5-9
7.5.4 Boundaries .....	7.5-11
7.5.5 Existing Conditions .....	7.5-14
7.5.6 Project Interactions on Wildlife .....	7.5-26
7.5.7 Assessment of Effects on Wildlife.....	7.5-28
7.5.8 Assessment of Cumulative Effects on Wildlife .....	7.5-73
7.5.9 Prediction Confidence.....	7.5-86
7.5.10 Follow-up Strategy .....	7.5-87
7.5.11 Figures .....	7.5-88
7.6 Freshwater Fish .....	7.6-1
7.6.1 Relevant Statutes, Policies and Frameworks .....	7.6-2
7.6.2 The Influence of Consultation and Engagement .....	7.6-5
7.6.3 Selection of Potential Effects and Indicators/Measurable Parameters.....	7.6-8
7.6.4 Boundaries .....	7.6-9
7.6.5 Existing Conditions .....	7.6-11
7.6.6 Project Interactions on Freshwater Fish .....	7.6-21
7.6.7 Assessment of Effects on Freshwater Fish .....	7.6-26



7.6.8 Assessment of Cumulative Effects on Freshwater Fish .....	7.6-47
7.6.9 Prediction Confidence .....	7.6-53
7.6.10 Follow-up Strategy .....	7.6-53
7.6.11 Figures .....	7.6-54
7.7 Marine Resources .....	7.7-1
7.7.1 Relevant Statutes, Policies and Frameworks .....	7.7-2
7.7.2 Influence of Consultation and Engagement.....	7.7-5
7.7.3 Selection of Potential Effects and Indicators/Measurable Parameters.....	7.7-8
7.7.4 Boundaries .....	7.7-9
7.7.5 Existing Conditions .....	7.7-11
7.7.6 Project Interactions on Marine Resources.....	7.7-24
7.7.7 Assessment of Effects on Marine Resources .....	7.7-26
7.7.8 Assessment of Cumulative Effects on Marine Resources.....	7.7-67
7.7.9 Prediction Confidence.....	7.7-79
7.7.10 Follow-Up Strategy .....	7.7-81
7.7.11 Figures .....	7.7-82
7.8 Employment and Economy .....	7.8-1
7.8.1 Relevant Statutes, Policies and Frameworks .....	7.8-1
7.8.2 The Influence of Consultation and Engagement .....	7.8-1
7.8.3 Selection of Potential Effects and Indicators/Measurable Parameters.....	7.8-4
7.8.4 Boundaries .....	7.8-4
7.8.5 Existing Conditions .....	7.8-7
7.8.6 Project Interactions on Employment and Economy.....	7.8-60
7.8.7 Assessment of Effects on Employment and Economy .....	7.8-61
7.8.8 Assessment of Cumulative Effects on Change in Employment and Economy .....	7.8-96
7.8.9 Prediction Confidence.....	7.8-96
7.8.10 Follow-Up Strategy .....	7.8-97
7.8.11 Figures .....	7.8-98
7.9 Land and Resource Use .....	7.9-1
7.9.1 Relevant Statutes, Policies and Frameworks .....	7.9-2
7.9.2 The Influence of Consultation and Engagement .....	7.9-7
7.9.3 Selection of Potential Effects, Pathways, and Indicators/Measurable Parameters.....	7.9-10
7.9.4 Boundaries .....	7.9-11



---

7.9.5 Existing Conditions .....	7.9-12
7.9.6 Project Interactions on Land and Resource Use .....	7.9-29
7.9.7 Assessment of Effects on Land and Resource Use .....	7.9-30
7.9.8 Assessment of Cumulative Effects on Land and Resource Use .....	7.9-66
7.9.9 Prediction Confidence .....	7.9-73
7.9.10 Follow-up Strategy .....	7.9-73
7.9.11 Figures .....	7.9-74
7.10 Marine Use.....	7.10-1
7.10.1 Relevant Statutes, Policies and Frameworks .....	7.10-1
7.10.2 The Influence of Consultation and Engagement .....	7.10-6
7.10.3 Selection of Potential Effects and Indicators/Measurable Parameters.....	7.10-9
7.10.4 Boundaries .....	7.10-11
7.10.5 Existing Conditions .....	7.10-12
7.10.6 Project Interactions on Marine Use.....	7.10-36
7.10.7 Assessment of Effects on Marine Use.....	7.10-39
7.10.8 Assessment of Cumulative Effects on Marine Use.....	7.10-68
7.10.9 Prediction Confidence.....	7.10-78
7.10.10 Follow-up Strategy .....	7.10-79
7.10.11 Figures .....	7.10-80
7.11 Infrastructure and Services .....	7.11-1
7.11.1 Relevant Statutes, Policies and Frameworks .....	7.11-1
7.11.2 The Influence of Consultation and Engagement .....	7.11-2
7.11.3 Selection of Potential Effects and Indicators/Measurable Parameters.....	7.11-4
7.11.4 Boundaries .....	7.11-5
7.11.5 Existing Conditions .....	7.11-7
7.11.6 Project Infrastructure and Services Interactions.....	7.11-40
7.11.7 Assessment of Effects on Infrastructure and Services .....	7.11-41
7.11.8 Assessment of Cumulative Effects on Infrastructure and Services .....	7.11-69
7.11.9 Prediction Confidence.....	7.11-78
7.11.10 Follow-up Strategy .....	7.11-78
7.11.11 Figures .....	7.11-79

7.12 Human Health .....	7.12-1
7.12.1 Relevant Statutes, Policies and Frameworks .....	7.12-1
7.12.2 The Influence of Consultation and Engagement .....	7.12-2
7.12.3 Selection of Potential Effects and Indicators/Measurable Parameters.....	7.12-5
7.12.4 Boundaries .....	7.12-5
7.12.5 Existing Conditions .....	7.12-7
7.12.6 Project Interactions with Human Health.....	7.12-7
7.12.7 Assessment of Residual Effects on Human Health .....	7.12-16
7.12.8 Assessment of Cumulative Effects on Human Health .....	7.12-39
7.12.9 Prediction Confidence.....	7.12-41
7.12.10 Follow-up Strategy .....	7.12-41
7.12.11 Figures .....	7.12-42
7.13 Heritage .....	7.13-1
7.13.1 Relevant Statutes, Policies and Frameworks .....	7.13-1
7.13.2 The Influence of Consultation and Engagement .....	7.13-2
7.13.3 Selection of Potential Effects and Indicators/Measurable Parameters.....	7.13-2
7.13.4 Boundaries .....	7.13-3
7.13.5 Existing Conditions .....	7.13-4
7.13.6 Project Interactions on Heritage Resources .....	7.13-6
7.13.7 Assessment of Effects on Heritage.....	7.13-7
7.13.8 Assessment of Cumulative Effects on Heritage .....	7.13-9
7.13.9 Follow-up Strategy .....	7.13-9
7.13.10 Figure .....	7.13-10
<b>8.0 Greenhouse Gas Emissions .....</b>	<b>8-1</b>
8.1 Relevant Statutes, Policies and Frameworks .....	8-1
8.2 The Influence of Consultation and Engagement .....	8-2
8.3 Boundaries.....	8-4
8.3.1 Spatial Boundaries.....	8-4
8.3.2 Temporal Boundaries.....	8-4
8.3.3 Administrative Boundaries .....	8-4
8.4 Existing Conditions .....	8-4
8.5 Project Interactions on Greenhouse Gas.....	8-6



8.6 Assessment of Effects from the Project on Greenhouse Gases .....	8-6
8.6.1 Assessment Methods.....	8-6
8.6.2 Assessment of Greenhouse Gas Emissions .....	8-9
8.6.3 Upstream Emissions .....	8-21
8.7 Prediction Confidence.....	8-21
8.8 The Project and Canada and British Columbia’s Efforts to Reduce GHG Emissions .....	8-21
8.9 Net-Zero Emission Plan.....	8-22
8.10 Climate Resilience .....	8-23
8.11 Follow-Up Strategy .....	8-23
<b>9.0 Malfunctions and Accidents .....</b>	<b>9-1</b>
9.1 Introduction .....	9-1
9.2 Methods .....	9-3
9.2.1 Approach.....	9-3
9.2.2 Risk Scoring System.....	9-4
9.2.3 Interaction with Valued Components Including Residual Effects .....	9-6
9.3 Loss of Containment of LNG from the FLNG Facility .....	9-7
9.3.1 Description .....	9-7
9.3.2 Project Mitigation .....	9-8
9.3.3 Interaction with Valued Components .....	9-10
9.3.4 Conclusions .....	9-12
9.4 Spills of Hazardous Materials .....	9-12
9.4.1 Description .....	9-13
9.4.2 Project Mitigation .....	9-14
9.4.3 Interaction with Valued Components .....	9-16
9.4.4 Conclusions .....	9-20
9.5 Emergency FLNG Shutdown .....	9-20
9.5.1 Description .....	9-20
9.5.2 Project Mitigation .....	9-21
9.5.3 Interaction with Valued Components .....	9-21
9.5.4 Conclusions .....	9-23
9.6 Fires or Explosions .....	9-23
9.6.1 Description .....	9-23
9.6.2 Project Mitigation .....	9-25



---

9.6.3 Interaction with Valued Components .....	9-26
9.6.4 Conclusions .....	9-29
9.7 LNG Carrier Grounding, Collisions and Allisions .....	9-29
9.7.1 Description .....	9-29
9.7.2 Project Mitigation .....	9-31
9.7.3 Interaction with Valued Components .....	9-32
9.7.4 Conclusions .....	9-34
9.8 FLNG Allision .....	9-34
9.8.1 Description .....	9-34
9.8.2 Project Mitigation .....	9-35
9.8.3 Interaction with Valued Components .....	9-36
9.8.4 Conclusions .....	9-37
9.9 Cumulative Effects .....	9-37
<b>10.0 Effects of the Environment on the Project .....</b>	<b>10-1</b>
10.1 Introduction .....	10-1
10.2 Methods .....	10-1
10.2.1 Inclusions and Scope of Assessment .....	10-1
10.2.2 Assessment Components .....	10-2
10.2.3 Risk Scoring System .....	10-2
10.3 Climate Change .....	10-4
10.3.1 Description .....	10-4
10.3.2 Project Mitigation .....	10-5
10.3.3 Risk .....	10-6
10.3.4 Conclusion .....	10-6
10.4 Extreme Weather .....	10-6
10.4.1 Description .....	10-6
10.4.2 Project Mitigation .....	10-8
10.4.3 Risk .....	10-9
10.4.4 Conclusion .....	10-9
10.5 Seismic Events and Tsunamis .....	10-10
10.5.1 Description .....	10-10
10.5.2 Project Mitigation .....	10-11



---

10.5.3 Risk .....	10-11
10.5.4 Conclusion .....	10-12
10.6 Geohazards .....	10-12
10.6.1 Description .....	10-12
10.6.2 Project Mitigation .....	10-13
10.6.3 Risk .....	10-14
10.6.4 Conclusion .....	10-14
10.7 Forest Fires .....	10-14
10.7.1 Project Mitigation .....	10-15
10.7.2 Risk .....	10-15
10.7.3 Conclusion .....	10-15
<b>11.0 Haisla Nation .....</b>	<b>11-1</b>
11.1 Overview and Context.....	11-1
11.1.1 Haisla Nation Traditional Territory .....	11-2
11.1.2 Ethnography.....	11-3
11.1.3 Language .....	11-3
11.1.4 Planning Initiatives and Land Use Plans .....	11-4
11.1.5 Governance .....	11-5
11.1.6 Social and Economic Conditions .....	11-6
11.1.7 Reserves .....	11-10
11.2 Existing Conditions .....	11-12
11.2.1 Historic and Current Use.....	11-12
11.2.2 Cumulative Effects / Regional Context .....	11-13
11.3 Haisla Nation Summary of Engagement.....	11-14
11.3.1 Key Areas of Concern.....	11-15
11.4 Information Sources.....	11-16
11.5 Assessing Effects on Haisla Nation Interests .....	11-16
11.5.1 Scope of the Assessment .....	11-16
11.5.2 Preliminary List of Potential Effects .....	11-19
11.5.3 Assessment Boundaries .....	11-19
11.5.4 Effects Assessment .....	11-26
11.5.5 Mitigation and Enhancement Measures .....	11-33
11.5.6 Assessing Adverse Effects .....	11-37



11.5.7	Characterization of Residual Effects.....	11-79
11.5.8	Cumulative Effects.....	11-82
11.6	Assessing Positive Effects.....	11-101
11.7	Haisla Nation Views.....	11-101
11.8	Summary.....	11-102
11.8.1	Prediction Confidence.....	11-102
11.8.2	Follow-Up Strategy.....	11-102
11.9	Figures.....	11-103
<b>12.0</b>	<b>Gitga'at First Nation.....</b>	<b>12-1</b>
12.1	Overview and Context.....	12-1
12.1.1	Gitga'at First Nation Traditional Territory.....	12-2
12.1.2	Ethnography.....	12-3
12.1.3	Language.....	12-4
12.1.4	Planning Initiatives and Land Use Plans.....	12-4
12.1.5	Governance.....	12-7
12.1.6	Social and Economic Conditions.....	12-7
12.1.7	Reserves.....	12-12
12.2	Existing Conditions.....	12-14
12.2.1	Historic and Current Use.....	12-14
12.2.2	Cumulative Effects/Regional Context.....	12-15
12.3	Gitga'at First Nation Summary of Engagement.....	12-17
12.3.1	Key Areas of Concern.....	12-18
12.4	Information Sources.....	12-19
12.5	Assessing Effects on Gitga'at First Nation Interests.....	12-19
12.5.1	Scope of the Assessment.....	12-19
12.5.2	Preliminary List of Potential Effects.....	12-22
12.5.3	Assessment Boundaries.....	12-23
12.5.4	Effects Assessment.....	12-27
12.5.5	Mitigation and Enhancement Measures.....	12-37
12.5.6	Assessing Adverse Effects.....	12-40
12.5.7	Characterization of Residual Effects.....	12-64
12.5.8	Cumulative Effects.....	12-68
12.6	Assessing Positive Effects.....	12-86

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12.7 Gitga'at First Nation Views .....	12-86
12.8 Summary.....	12-87
12.8.1 Prediction Confidence.....	12-87
12.8.2 Follow-Up Strategy .....	12-87
12.9 Figures .....	12-89
<b>13.0 Gitxaala Nation .....</b>	<b>13-1</b>
13.1 Overview and Context.....	13-1
13.1.1 Gitxaala Nation Territory.....	13-2
13.1.2 Ethnography.....	13-3
13.1.3 Language .....	13-5
13.1.4 Planning Initiatives and Land Use Plans .....	13-5
13.1.5 Governance .....	13-6
13.1.6 Social and Economic Conditions .....	13-7
13.1.7 Reserves .....	13-9
13.2 Existing Conditions .....	13-11
13.2.1 Historic and Current Use.....	13-11
13.2.2 Cumulative Effects / Regional Context .....	13-15
13.3 Gitxaala Nation Summary of Engagement .....	13-16
13.3.1 Key Areas of Concern.....	13-17
13.4 Information Sources.....	13-18
13.5 Assessing Effects on Gitxaala Nation Interests.....	13-18
13.5.1 Scope of the Assessment .....	13-18
13.5.2 Preliminary List of Potential Effects .....	13-21
13.5.3 Assessment Boundaries .....	13-21
13.5.4 Effects Assessment .....	13-25
13.5.5 Mitigation and Enhancement Measures .....	13-34
13.5.6 Assessing Adverse Effects .....	13-37
13.5.7 Characterization of Residual Effects.....	13-73
13.5.8 Cumulative Effects .....	13-75
13.6 Assessing Positive Effects.....	13-92
13.7 Gitxaala Nation Views.....	13-92

---

13.8 Summary.....	13-92
13.8.1 Prediction Confidence.....	13-93
13.8.2 Follow-up Strategy.....	13-93
13.9 Figures.....	13-94
<b>14.0 Kitselas First Nation .....</b>	<b>14-1</b>
14.1 Overview and Context.....	14-1
14.1.1 Kitselas First Nation Traditional Territory.....	14-2
14.1.2 Ethnography.....	14-2
14.1.3 Language .....	14-3
14.1.4 Planning Initiatives and Land Use Plans .....	14-3
14.1.5 Governance .....	14-4
14.1.6 Social and Economic Conditions .....	14-5
14.1.7 Reserves .....	14-8
14.2 Existing Conditions .....	14-9
14.2.1 Historic and Current Use.....	14-9
14.2.2 Cumulative Effects / Regional Context .....	14-10
14.3 Kitselas First Nation Summary of Engagement.....	14-11
14.3.1 Key Areas of Concern.....	14-12
14.4 Information Sources.....	14-13
14.5 Assessing Effects on Kitselas First Nation Interests .....	14-13
14.5.1 Scope of the Assessment .....	14-13
14.5.2 Preliminary List of Potential Effects .....	14-17
14.5.3 Assessment Boundaries .....	14-17
14.5.4 Effects Assessment .....	14-21
14.5.5 Mitigation and Enhancement Measures .....	14-30
14.5.6 Assessing Adverse Effects .....	14-33
14.5.7 Characterization of Residual Effects.....	14-63
14.5.8 Cumulative Effects .....	14-66
14.6 Assessing Positive Effects.....	14-83
14.7 Kitselas First Nation Views .....	14-83



---

14.8 Summary.....	14-83
14.8.1 Prediction Confidence.....	14-84
14.8.2 Follow-up Strategy.....	14-84
14.9 Figures.....	14-85
<b>15.0 Kitsumkalum First Nation .....</b>	<b>15-1</b>
15.1 Overview and Context.....	15-1
15.1.1 Kitsumkalum First Nation Traditional Territory.....	15-2
15.1.2 Ethnography.....	15-2
15.1.3 Language .....	15-3
15.1.4 Planning Initiatives and Land Use Plans .....	15-3
15.1.5 Governance .....	15-4
15.1.6 Social and Economic Conditions .....	15-5
15.1.7 Reserves .....	15-7
15.2 Existing Conditions .....	15-8
15.2.1 Historic and Current Use.....	15-8
15.2.2 Cumulative Effects / Regional Context .....	15-9
15.3 Kitsumkalum First Nation Summary of Engagement.....	15-11
15.3.1 Key Areas of Concern.....	15-11
15.4 Information Sources.....	15-12
15.5 Assessing Effects on Kitsumkalum First Nation Interests .....	15-13
15.5.1 Scope of the Assessment .....	15-13
15.5.2 Preliminary List of Potential Effects .....	15-16
15.5.3 Assessment Boundaries .....	15-16
15.5.4 Effects Assessment .....	15-20
15.5.5 Mitigation and Enhancement Measures .....	15-28
15.5.6 Assessing Adverse Effects .....	15-31
15.5.7 Characterization of Residual Effects.....	15-66
15.5.8 Cumulative Effects .....	15-69
15.6 Assessing Positive Effects.....	15-87
15.7 Kitsumkalum First Nation Views .....	15-87



---

15.8 Summary.....	15-87
15.8.1 Prediction Confidence.....	15-88
15.8.2 Follow-up Strategy.....	15-88
15.9 Figures.....	15-89
<b>16.0 Lax Kw’alaams Band .....</b>	<b>16-1</b>
16.1 Overview and Context.....	16-1
16.2 Cedar’s Summary of Engagement.....	16-3
16.3 Information Sources and Limitations .....	16-3
16.4 Assessment Methodology.....	16-4
16.4.1 Selection of Coast Tsimshian Interests .....	16-4
16.4.2 Assessment Boundaries .....	16-8
16.4.3 Description of Existing Conditions .....	16-8
16.4.4 Effects Assessment .....	16-9
16.4.5 Mitigation Measures.....	16-9
16.4.6 Characterization of Residual Effects.....	16-10
16.4.7 Evaluation of Likelihood, Seriousness and Confidence.....	16-11
16.5 Marine Harvesting.....	16-12
16.5.1 Background and Existing Conditions .....	16-12
16.5.2 Potential Project Effects.....	16-13
16.5.3 Proposed Mitigations .....	16-16
16.5.4 Characterization of Residual Effects.....	16-17
16.5.5 Evaluation of Likelihood, Seriousness and Confidence.....	16-18
16.6 Sense of Place.....	16-19
16.6.1 Background and Existing Conditions .....	16-19
16.6.2 Potential Project Effects.....	16-20
16.6.3 Proposed Mitigations .....	16-21
16.6.4 Characterization of Residual Effects.....	16-21
16.6.5 Evaluation of Likelihood, Seriousness and Confidence.....	16-22
16.7 Conclusions .....	16-23
16.8 Cedar’s Perspective on the Assessment.....	16-25
16.9 Figures.....	16-26



---

<b>17.0 Metlakatla First Nation</b> .....	<b>17-1</b>
17.1 Cedar's Summary of Engagement.....	17-1
17.2 Cedar's Perspective on the Assessment.....	17-2
<b>18.0 Haida Nation</b> .....	<b>18-1</b>
18.1 Overview and Context.....	18-1
18.1.1 Haida Territory .....	18-1
18.1.2 Ethnography.....	18-2
18.1.3 Language .....	18-3
18.1.4 Planning Initiatives and Land Use Plans .....	18-3
18.1.5 Governance .....	18-5
18.1.6 Social and Economic Conditions .....	18-5
18.1.7 Reserves .....	18-7
18.2 Existing Conditions .....	18-10
18.2.1 Historic and Current Use.....	18-10
18.2.2 Cumulative Effects / Regional Context.....	18-12
18.3 Haida Nation Summary of Engagement .....	18-13
18.3.1 Key Areas of Concern.....	18-13
18.4 Information Sources.....	18-14
18.5 Assessing Effects on Haida Nation Interests.....	18-14
18.5.1 Scope of the Assessment .....	18-14
18.5.2 Preliminary List of Potential Effects .....	18-17
18.5.3 Assessment Boundaries .....	18-17
18.5.4 Effects Assessment .....	18-20
18.5.5 Mitigation and Enhancement Measures .....	18-27
18.5.6 Assessing Adverse Effects .....	18-29
18.5.7 Characterization of Residual Effects.....	18-45
18.5.8 Cumulative Effects .....	18-45
18.6 Assessing Positive Effects.....	18-46
18.7 Haida Nation Views.....	18-46
18.8 Summary.....	18-46
18.8.1 Prediction Confidence.....	18-47
18.8.2 Follow-up Strategy .....	18-47
18.9 Figure.....	18-48



---

<b>19.0 Métis Nation British Columbia</b> .....	<b>19-1</b>
19.1 Overview and Context.....	19-1
19.1.1 Métis Nation British Columbia Traditional Territory .....	19-2
19.1.2 Ethnography.....	19-2
19.1.3 Language .....	19-3
19.1.4 Planning Initiatives and Land Use Plans .....	19-3
19.1.5 Governance .....	19-4
19.1.6 Social and Economic Conditions .....	19-5
19.1.7 Reserves .....	19-6
19.2 Existing Conditions .....	19-6
19.2.1 Historic and Current Use.....	19-7
19.2.2 Cumulative Effects / Regional Context .....	19-7
19.3 Métis Nation British Columbia Summary of Engagement.....	19-7
19.3.1 Key Areas of Concern.....	19-8
19.4 Information Sources.....	19-8
19.5 Assessing Effects on Métis Nation British Columbia Interests .....	19-9
19.5.1 Scope of the Assessment .....	19-9
19.5.2 Preliminary List of Potential Effects .....	19-12
19.5.3 Assessment Boundaries .....	19-12
19.5.4 Effects Assessment .....	19-15
19.5.5 Mitigation and Enhancement Measures .....	19-23
19.5.6 Assessing Adverse Effects .....	19-25
19.5.7 Characterization of Residual Effects.....	19-50
19.5.8 Cumulative Effects .....	19-52
19.6 Assessing Positive Effects.....	19-66
19.7 Métis Nation British Columbia Nation Views .....	19-67
19.8 Summary.....	19-67
19.8.1 Prediction Confidence.....	19-67
19.8.2 Follow-Up Strategy .....	19-68
19.9 Figure.....	19-69



---

<b>20.0 Summary of Statutory Requirements under the Federal <i>Impact Assessment Act</i></b> .....	<b>20-1</b>
20.1 Concordance to Federal Requirements.....	20-1
20.2 Alternatives to the Project.....	20-15
20.3 Contributions to Sustainability .....	20-16
20.3.1 Sustainability Principles Incorporated into Project Planning.....	20-17
20.3.2 Human-Ecological Systems.....	20-18
20.3.3 Well-Being of Present and Future Generations.....	20-19
20.3.4 Mitigation and Enhancement Measures .....	20-20
<b>21.0 Summary of Biophysical Factors that Support Ecosystem Function</b> .....	<b>21-1</b>
21.1 Regulatory Context and Framework.....	21-1
21.2 Overview of Existing Ecosystem Function.....	21-2
21.3 Key Biophysical Factors.....	21-5
21.3.1 Habitat Diversity and Structural Complexity .....	21-7
21.3.2 Habitat Connectivity .....	21-7
21.3.3 Water.....	21-8
21.4 Biophysical Factors in Valued Components Assessments.....	21-8
21.5 Potential Effects on Biophysical Factors.....	21-11
21.5.1 Habitat Diversity and Structural Complexity .....	21-11
21.5.2 Habitat Connectivity .....	21-12
21.5.3 Water.....	21-12
21.6 Mitigation and Enhancement Measures .....	21-13
21.7 Predicted Effects on Ecosystem Function .....	21-15
<b>22.0 Summary of Human and Community Well-Being</b> .....	<b>22-1</b>
22.1 Defining Health and Community Well-Being .....	22-2
22.1.1 Indigenous Perspectives on Health and Community Well-Being .....	22-3
22.2 Current Status Human and Community Well-Being .....	22-4
22.2.1 Project Indicators and Pathways (Determinants of Health).....	22-4
22.2.2 Population Health.....	22-8
22.2.3 Current Socio-Economic Status.....	22-13
22.2.4 Biophysical Environment.....	22-19
22.2.5 Human and Community Well-Being for Indigenous Nations .....	22-20
22.3 Summary of Mitigation and Enhancement Measures.....	22-26



22.4 Project Residual Effects on Human and Community Well-Being .....	22-31
22.4.1 Employment .....	22-31
22.4.2 Income and Education .....	22-32
22.4.3 Housing .....	22-32
22.4.4 Health Services .....	22-33
22.4.5 Early Childhood Education Services .....	22-33
22.4.6 Food Security .....	22-33
22.4.7 Social Inclusion and Community Safety .....	22-34
22.4.8 Biophysical Environment .....	22-34
22.4.9 Indigenous Culture and Identity .....	22-35
22.4.10 Personal Health Practices, Mental Health and Health Status .....	22-36
22.5 Differential Effects (GBA+) .....	22-38
22.6 Conclusion .....	22-43
22.7 Figures .....	22-45
<b>23.0 Summary of Effects to Current and Future Generations .....</b>	<b>23-1</b>
23.1 Overview and Context .....	23-1
23.1.1 Haisla Nation .....	23-1
23.1.2 District of Kitimat .....	23-2
23.2 Influence of Engagement on Project Design .....	23-4
23.2.1 Planning with Haisla Nation .....	23-4
23.2.2 Project Alignment with Regional and Provincial Initiatives .....	23-5
23.3 Current and Future Haisla Generations .....	23-6
23.4 Project Effects on Current and Future Generations .....	23-7
23.4.1 Adverse Effects .....	23-8
23.4.2 Mitigation Measures .....	23-9
23.4.3 Positive Effects .....	23-11
23.4.4 Enhancement Measures .....	23-12
23.5 Conclusions .....	23-13
<b>24.0 Conclusions .....</b>	<b>24-1</b>
<b>25.0 References .....</b>	<b>25-1</b>
25.1 Project Overview References .....	25-1
25.2 Regulatory Framework References .....	25-1
25.3 Valued Component Selection References .....	25-2



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25.4 Valued Component Assessment Methods References .....	25-2
25.5 Environmental and Community Context References.....	25-8
25.6 Air Quality References .....	25-10
25.7 Acoustics References .....	25-12
25.8 Vegetation Resources References .....	25-12
25.9 Wildlife References .....	25-19
25.10 Freshwater Fish References.....	25-28
25.11 Marine Resources References .....	25-32
25.12 Employment and Economy References .....	25-43
25.13 Land and Resource Use References.....	25-48
25.14 Marine Use References .....	25-52
25.15 Infrastructure and Services References .....	25-62
25.16 Human Health References .....	25-68
25.17 Heritage References .....	25-70
25.18 Greenhouse Gases References .....	25-70
25.19 Malfunctions and Accidents References.....	25-72
25.20 Effects of the Environment References .....	25-74
25.21 Haisla Nation References .....	25-76
25.22 Gitga'at First Nation References.....	25-79
25.23 Gitxaala Nation References.....	25-81
25.24 Kitselas First Nation References .....	25-83
25.25 Kitsumkalum First Nation References .....	25-86
25.26 Lax Kw'alaams Band and Metlakatla First Nation References.....	25-88
25.27 Haida Nation References.....	25-89
25.28 Métis Nation British Columbia References .....	25-91
25.29 Summary of Biophysical Factors that Support Ecosystem Function References .....	25-93
25.30 Summary of Human and Community Well-Being References .....	25-95
25.31 Summary of Effects to Current and Future Generations References.....	25-99

## List of Tables

Table E1.1	Proponent Information .....	ES-2
Table E2.1	Parks, Federal Lands and Reserve Lands in Proximity to the Project .....	ES-5
Table E2.2	Distance from the Project Area and Shipping Route to Nearby Communities .....	ES-6
Table E2.3	Key Components of the Project .....	ES-7
Table E3.1	Alternatives Considered .....	ES-15
Table E4.1	Summary of Project Introduction Meetings .....	ES-33
Table E4.2	Summary of Meetings Regarding the Application Information Requirements .....	ES-34
Table E5.1	Overview of Key Provincial and Federal Pre-Application Milestones .....	ES-36
Table E5.2	Relevant Policies, Initiatives and Assessment.....	ES-38
Table E5.3	Valued Components Scoping .....	ES-42
Table E5.4	Potential Project Interactions with Valued Components .....	ES-47
Table 1.2.1	Proponent Information .....	1-4
Table 1.2.2	Environmental Consultant Information.....	1-4
Table 1.3.1	Land Ownership .....	1-7
Table 1.3.2	Land Tenures, Reserves, and Notations Intersected by the Project .....	1-7
Table 1.3.3	Parks, Federal Lands and Reserve Lands in Proximity to the Project .....	1-8
Table 1.3.4	Distance From the Project Area and Shipping Route to Nearby Communities .....	1-10
Table 1.7.1	Preliminary Construction Schedule.....	1-23
Table 1.9.1	Comparison of Technical Feasibility, Cost and Environmental Risk of Onshore and Floating LNG Facilities .....	1-29
Table 1.9.2	Comparison of Technical Feasibility, Cost and Environmental Risk of Cooling Options for the Liquefaction Process .....	1-33
Table 1.9.3	Comparison of Technical Feasibility and Environmental Risk of Marine Terminal Locations .....	1-35
Table 1.9.4	Comparison of Technical Feasibility and Environmental Risk of Jetty Options.....	1-37
Table 1.9.5	Comparison of Technical Feasibility, Cost and Environmental Risk of Power Supply Options.....	1-39
Table 2.1.1	Overview of Key Provincial and Federal Pre-Application Milestones .....	2-5
Table 2.4.1	Indigenous Nation Arrangements with the Province of British Columbia and the Government of Canada.....	2-11
Table 2.5.1	Anticipated Key Permits and Approvals.....	2-14
Table 3.3.1	Public and Stakeholder Comments.....	3-4



Table 4.2.1	Local Government Feedback.....	4-3
Table 5.1.1	Valued Component Selection for the Assessment .....	5-2
Table 5.2.1	Summary Scope of Assessment.....	5-5
Table 6.1.1	Relevant Statutes, Policies and Frameworks for the Project.....	6-3
Table 6.6.1	Potential Project Interactions with Valued Components .....	6-13
Table 6.8.1	Project and Physical Activities Inclusion List .....	6-19
Table 6.8.2	Annual Large Vessels Visiting Inclusion List Projects .....	6-24
Table 7.2.1	Air Quality Standards and Objectives.....	7.2-2
Table 7.2.2	Summary of Key Information and Concerns for the Project Related to Air Quality .....	7.2-4
Table 7.2.3	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Air Quality .....	7.2-5
Table 7.2.4	Summary of Climate Normals .....	7.2-8
Table 7.2.5	Summary of Existing Air Quality in Kitimat.....	7.2-9
Table 7.2.6	Base Case Dispersion Modelling Results .....	7.2-11
Table 7.2.7	Dispersion Modelling Results Baseline Consistent with the Guideline .....	7.2-12
Table 7.2.8	Dispersion Modelling Results Including Global/Regional Background .....	7.2-13
Table 7.2.9	Potential Project Interactions and Effects on Air Quality .....	7.2-15
Table 7.2.10	Characterization of Residual Effects for Air Quality.....	7.2-17
Table 7.2.11	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Adverse Effects on Air Quality.....	7.2-21
Table 7.2.12	Project Alone Case Modelling Results.....	7.2-23
Table 7.2.13	Application Case Dispersion Modelling Results .....	7.2-24
Table 7.2.14	Dispersion Modelling Results Baseline Consistent with the Guideline .....	7.2-25
Table 7.2.15	Dispersion Modelling Results Including Global/Regional Background .....	7.2-26
Table 7.2.16	Project Residual Effects on Air Quality .....	7.2-29
Table 7.2.17	Interactions with the Potential to Contribute to Cumulative Effects on Air Quality .....	7.2-31
Table 7.3.1	Summary of Key Legislation, Policy and Guidance Documents for Acoustic.....	7.3-2
Table 7.3.2	Summary of Key Information and Concerns for the Project Related to Acoustic .....	7.3-6
Table 7.3.3	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Acoustic.....	7.3-7
Table 7.3.4	Noise Sensitive Receptor Locations for the Project.....	7.3-10
Table 7.3.5	Monitored Baseline Sound Levels from LNG Canada .....	7.3-14
Table 7.3.6	Baseline Sound Levels of Residential Noise Sensitive Receptors (OGC Noise Guideline).....	7.3-15



Table 7.3.7	Baseline Sound Levels of Noise Sensitive Receptors (Health Canada Guidance)....	7.3-17
Table 7.3.8	Potential Project Interactions and Effects on Acoustic .....	7.3-19
Table 7.3.9	Characterization of Residual Effects for Acoustic.....	7.3-21
Table 7.3.10	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Increased Noise Levels.....	7.3-24
Table 7.3.11	Model Results—Project Construction Noise.....	7.3-29
Table 7.3.12	Model Results—Project Operation Noise .....	7.3-30
Table 7.3.13	Compliance Assessment – Health Canada – %HA.....	7.3-32
Table 7.3.14	Compliance Assessment – World Health Organization – Sleep Disturbance .....	7.3-34
Table 7.3.15	Compliance Assessment – British Columbia Oil and Gas Commission.....	7.3-36
Table 7.3.16	Project Residual Effects on Acoustic .....	7.3-39
Table 7.3.17	Interactions with the Potential to Contribute to Cumulative Effects on Acoustic .....	7.3-41
Table 7.4.1	Summary of Key Legislation, Policy, and Guidance Documents for Vegetation Resources .....	7.4-2
Table 7.4.2	Summary of Key Information and Concerns for the Project Related to Vegetation Resources .....	7.4-5
Table 7.4.3	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Vegetation Resources.....	7.4-9
Table 7.4.4	Ecological Communities in the Marine Terminal Assessment Areas .....	7.4-20
Table 7.4.5	Structural Stage Distribution in the Marine Terminal Assessment Areas .....	7.4-25
Table 7.4.6	Ecosystem Types in the Air Emissions Assessment Areas.....	7.4-31
Table 7.4.7	Potential Project Interactions and Effects on Vegetation Resources .....	7.4-33
Table 7.4.8	Characterization of Residual Effects for Vegetation resources .....	7.4-35
Table 7.4.9	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Change in Abundance of Plant Species of Interest.....	7.4-39
Table 7.4.10	Potential Change in Abundance of Traditional Use Plants in the Project Footprint ...	7.4-43
Table 7.4.11	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Change in Abundance or Condition of Ecological Communities of Interest.....	7.4-49
Table 7.4.12	Extent of Ecological Communities At Risk in the Project Footprint and Associated Extents in the Marine Terminal Assessment Areas .....	7.4-53
Table 7.4.13	Extent of Old Forest Ecological Communities in the Project Footprint and Associated Extents in the Marine Terminal Assessment Areas .....	7.4-57
Table 7.4.14	Quantification of Effects to Ecological Communities of Interest .....	7.4-59
Table 7.4.15	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Change in Wetland Functions .....	7.4-63



Table 7.4.16	Extent of Wetland Ecological Communities in the Project Footprint and Associated Extents in the Marine Terminal Assessment Areas .....	7.4-67
Table 7.4.17	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Change in Native Health and Diversity due to Air Emissions.....	7.4-72
Table 7.4.18	Summary of Mitigation and Enhancement Measures for the Assessment of Vegetation Resources.....	7.4-76
Table 7.4.19	Project Residual Effects on Vegetation Resources .....	7.4-78
Table 7.4.20	Interactions with the Potential to Contribute to Cumulative Effects on Vegetation Resources .....	7.4-82
Table 7.4.21	Existing and Foreseeable Disturbance in the Marine Terminal RAA.....	7.4-85
Table 7.4.22	Reasonably Foreseeable Disturbance To Ecological Communities at Risk and Old Forest in the Marine Terminal RAA.....	7.4-88
Table 7.4.23	Reasonably Foreseeable Disturbance to Wetlands in the RAA .....	7.4-90
Table 7.4.24	Summary of Residual Cumulative Effects on Vegetation Resources.....	7.4-95
Table 7.5.1	Summary of Key Legislation, Policy, and Regulatory Guidance Documents for Wildlife.....	7.5-2
Table 7.5.2	Summary of Key Information and Concerns for the Project Related to Wildlife .....	7.5-6
Table 7.5.3	Potential Effects, Effects Pathways, and Indicators/Measurable Parameters for Wildlife.....	7.5-9
Table 7.5.4	Species of Conservation Concern Likely to Occur within the Marine Terminal and Shipping Regional Assessment Areas.....	7.5-19
Table 7.5.5	Potential Project Interactions and Effects on Wildlife .....	7.5-27
Table 7.5.6	Characterization of Residual Effects.....	7.5-28
Table 7.5.7	Mitigation Measures Proposed to Avoid or Reduce Change in Habitat.....	7.5-33
Table 7.5.8	Change in Grizzly Bear Spring Feeding Habitat Within the Marine Terminal LAA.....	7.5-36
Table 7.5.9	Change in Grizzly Bear Fall Feeding Habitat within the Marine Terminal LAA .....	7.5-37
Table 7.5.10	Change in Moose Winter Feeding Habitat within the Marine Terminal LAA .....	7.5-38
Table 7.5.11	Change in Moose Winter Shelter Habitat within the Marine Terminal LAA .....	7.5-38
Table 7.5.12	Change in Pacific Marten Year-round Habitat within the Marine Terminal LAA.....	7.5-39
Table 7.5.13	Change in Marbled Murrelet Summer Breeding Habitat within the Marine Terminal LAA .....	7.5-42
Table 7.5.14	Mitigation Measures Proposed to Avoid or Reduce Change in Movement .....	7.5-49
Table 7.5.15	Mitigation Measures Proposed to Avoid or Reduce Change in Mortality Risk .....	7.5-57
Table 7.5.16	Summary of Mitigation Measures for the Assessment of Wildlife.....	7.5-65
Table 7.5.17	Project Residual Effects on Wildlife .....	7.5-68



Table 7.5.18	Interactions with the Potential to Contribute to Cumulative Effects on Wildlife .....	7.5-74
Table 7.5.19	Summary of Residual Cumulative Effects on Wildlife.....	7.5-85
Table 7.6.1	Summary of Key Regulations, Policy, and Guidance Documents for Freshwater Fish.....	7.6-3
Table 7.6.2	Summary of Key Information and Concerns for the Project Related to Freshwater Fish.....	7.6-6
Table 7.6.3	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Freshwater Fish .....	7.6-8
Table 7.6.4	Field Methods for Fish Habitat Parameters .....	7.6-13
Table 7.6.5	Fish Species in the RAA .....	7.6-16
Table 7.6.6	Transmission line Crossing Watercourse Classifications .....	7.6-18
Table 7.6.7	Access Road Watercourse Classifications .....	7.6-18
Table 7.6.8	Potential Project Interactions and Pathways of Effects on Freshwater Fish by Project Phase (based on DFO 2018).....	7.6-22
Table 7.6.9	Potential Project Interactions and Effects on Freshwater Fish .....	7.6-25
Table 7.6.10	Characterization of Residual Effects for Freshwater Fish.....	7.6-29
Table 7.6.11	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Change in Surface Water Quality .....	7.6-32
Table 7.6.12	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Change in Fish Habitat.....	7.6-36
Table 7.6.13	Summary of Mitigation and Enhancement Measures for the Assessment of Freshwater Fish .....	7.6-43
Table 7.6.14	Project Residual Effects on Freshwater Fish.....	7.6-45
Table 7.6.15	Interactions with the Potential to Contribute to Cumulative Effects on Freshwater Fish.....	7.6-49
Table 7.6.16	Summary of Residual Cumulative Effects on Freshwater Fish .....	7.6-52
Table 7.7.1	Summary of Key Legislation, Policy, and Regulatory Guidance Documents for Marine Resources .....	7.7-3
Table 7.7.2	Summary of Key Information and Concerns for the Project Related to Marine Resources .....	7.7-6
Table 7.7.3	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Marine Resources .....	7.7-8
Table 7.7.4	Marine Fish And Invertebrate Species At Risk Known to Occur in the Marine Terminal RAA and in the Shipping RAA .....	7.7-16
Table 7.7.5	Marine Mammal Species Known to Occur in the Marine Terminal RAA and in the Shipping RAA.....	7.7-18



Table 7.7.6	Potential Project Interactions and Effects on Marine Resources.....	7.7-25
Table 7.7.7	Characterization of Residual Effects.....	7.7-27
Table 7.7.8	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Change in Habitat.....	7.7-34
Table 7.7.9	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Change in Water Quality.....	7.7-38
Table 7.7.10	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Change in Behaviour.....	7.7-44
Table 7.7.11	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Change in Injury or Mortality Risk.....	7.7-55
Table 7.7.12	Summary of Mitigation and Enhancement Measures for the Assessment of Marine Resources.....	7.7-62
Table 7.7.13	Project Residual Effects on Marine Resources.....	7.7-64
Table 7.7.14	Interactions with the Potential to Contribute to Cumulative Effects on Marine Resources.....	7.7-68
Table 7.7.15	Summary of Residual Cumulative Effects on Marine Resources.....	7.7-77
Table 7.8.1	Summary of Key Information and Concerns for the Project Related to Employment and Economy.....	7.8-2
Table 7.8.2	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Employment and Economy.....	7.8-4
Table 7.8.3	Total Population—2016 Labour Force Characteristics.....	7.8-11
Table 7.8.4	Indigenous Population—2016 Labour Force Characteristics.....	7.8-13
Table 7.8.5	Total Population—2016 Employment by Sector.....	7.8-16
Table 7.8.6	Indigenous Population—Employment by Sector.....	7.8-19
Table 7.8.7	Labour Force Population Aged 15 Years and Over by Sector, Location Quotients, 2017.....	7.8-24
Table 7.8.8	Total Population—Employment by Broad Occupational Classification.....	7.8-26
Table 7.8.9	Indigenous Population—Employment by Broad Occupational Classification.....	7.8-27
Table 7.8.10	Job Openings by Top Five Occupations, North Coast and Nechako Economic Region 2019-2029, all Sectors and Construction Sector.....	7.8-31
Table 7.8.11	Total Population—Worker Mobility, 2015.....	7.8-32
Table 7.8.12	Indigenous Population—Worker Mobility, 2015.....	7.8-32
Table 7.8.13	Total Population—Educational Attainment.....	7.8-34
Table 7.8.14	Indigenous Population – Educational Attainment.....	7.8-35
Table 7.8.15	Total Population—Individual Income, 2015.....	7.8-39

Table 7.8.16	Indigenous Population—Individual Income, 2015.....	7.8-41
Table 7.8.17	LIM-AT Thresholds, 2015 .....	7.8-43
Table 7.8.18	LICO-AT Thresholds, 2015 .....	7.8-43
Table 7.8.19	LIM-AT and LICO-AT Statistics, LAA/RAA and British Columbia (2016) .....	7.8-44
Table 7.8.20	Monthly Cost-of-Living by Tenure, Kitimat, Terrace and Reference Communities in Northern British Columbia .....	7.8-45
Table 7.8.21	Real Estate Sales and Prices, Kitimat, Terrace and Reference Community in Northern British Columbia (Q1 2020 – Q1 2021).....	7.8-47
Table 7.8.22	2011-2016 Shelter Costs and Households Spending Greater Than 30% of Income on Shelter Costs.....	7.8-48
Table 7.8.23	Provincial/Territorial GDP Estimates, 2016-2020 .....	7.8-52
Table 7.8.24	Municipal Government (LAA) Revenue and Expenses, 2020 .....	7.8-54
Table 7.8.25	Regional District Government (LAA) Revenue, 2020 .....	7.8-55
Table 7.8.26	Haisla Nation, 2020.....	7.8-56
Table 7.8.27	Kitseles First Nation Revenue, 2020.....	7.8-57
Table 7.8.28	Kitsumkalum First Nation Revenue, 2020 .....	7.8-58
Table 7.8.29	Canada Energy Regulator’s Energy Commodity Indicators .....	7.8-60
Table 7.8.30	Potential Project Interactions and Effects on employment and Economy .....	7.8-60
Table 7.8.31	Characterization of Residual Effects.....	7.8-62
Table 7.8.32	Mitigation and Enhancement Measures Proposed For Change in Regional Employment .....	7.8-65
Table 7.8.33	Estimates of Direct Employment (FTEs) and Labour Income (Undiscounted).....	7.8-69
Table 7.8.34	Estimates of Direct Workforce Size .....	7.8-69
Table 7.8.35	Industry Average Composition of Construction Workforces by Primary NOC.....	7.8-71
Table 7.8.36	Estimates of LAA and RAA Labour Force Availability (by NOC) compared to Project Workforce Requirements .....	7.8-74
Table 7.8.37	Mitigation and Enhancement Measures Proposed For Change in Regional Business.....	7.8-78
Table 7.8.38	Annual Average Estimates of Indirect and Induced Employment (FTEs) and Labour Income (Undiscounted).....	7.8-82
Table 7.8.39	Existing Employment Income and Projected Project-related Wages/Salaries, LAA ..	7.8-83
Table 7.8.40	Estimated GDP Contributions (\$ Millions), Construction and operation (Annual) .....	7.8-86
Table 7.8.41	Estimated Government Tax Contributions (\$ Millions) .....	7.8-87
Table 7.8.42	Summary of Mitigation and Enhancement Measures for the Assessment of Employment and Economy .....	7.8-89



Table 7.8.43	Project Residual Effects on Employment and Economy.....	7.8-91
Table 7.9.1	Summary of Key Legislation, Policy, and Regulatory Guidance Documents for Land and Resource Use .....	7.9-3
Table 7.9.2	Summary of Key Information and Concerns from Consultation and Engagement Related to Land and Resource Use.....	7.9-8
Table 7.9.3	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Land and Resource Use .....	7.9-10
Table 7.9.4	Parcel Ownership in the LAA and RAA.....	7.9-14
Table 7.9.5	Crown Land Reserves Overlapped in LAA .....	7.9-17
Table 7.9.6	Notations of Interest Overlapped in LAA.....	7.9-17
Table 7.9.7	Guide Outfitter Area Overlapped with LAA .....	7.9-18
Table 7.9.8	Trapping Area Overlapped in LAA .....	7.9-19
Table 7.9.9	Wildlife Management Units Overlapped in LAA.....	7.9-23
Table 7.9.10	Residents and Non-Resident Hunter Statistics: WMU 6-3, 6-11 (2018).....	7.9-24
Table 7.9.11	Potential Project Interactions and Effects on Land and Resource Use .....	7.9-29
Table 7.9.12	Characterization of Residual Effects for Land and Resource Use .....	7.9-31
Table 7.9.13	Mitigation and Enhancement Measures Proposed to Avoid or Reduce CHange in Private Property and Tenured Land Use .....	7.9-36
Table 7.9.14	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Change in Non-Tenured Land Use .....	7.9-49
Table 7.9.15	Summary of Mitigation and Enhancement Measures for the Assessment of Land and Resource Use .....	7.9-60
Table 7.9.16	Project Residual Effects on Land and Resource Use.....	7.9-62
Table 7.9.17	Interactions with the Potential to Contribute to Cumulative Effects on Land and Resource Use .....	7.9-67
Table 7.9.18	Summary of Residual Cumulative Effects on Land and Resource Use .....	7.9-72
Table 7.10.1	Summary of Key Legislation, Policy, and Regulatory Guidance Documents for Marine Use.....	7.10-2
Table 7.10.2	Summary of Key Information and Concerns for the Project Related to Marine Use ..	7.10-7
Table 7.10.3	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Marine Use.....	7.10-10
Table 7.10.4	Prince Rupert Marine Communications Traffic Service Centre Vessels 2016 to 2020 .....	7.10-17
Table 7.10.5	The Number of Piloted Vessels Visiting Port of Kitimat .....	7.10-18
Table 7.10.6	Vessel Movements from July 15 to August 15 (dawn to dusk).....	7.10-20



Table 7.10.7	Commercial Fisheries .....	7.10-23
Table 7.10.8	Species Harvested by Indigenous Groups .....	7.10-27
Table 7.10.9	Marine Facilities Located within the RAA.....	7.10-34
Table 7.10.10	Potential Project Interactions and Effects on Marine Use.....	7.10-37
Table 7.10.11	Marine Shipping Route Characteristics and Disturbance Factor .....	7.10-42
Table 7.10.12	Characterization of Residual Effects.....	7.10-43
Table 7.10.13	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Change in Marine Navigation and Marine Fisheries and Other Uses .....	7.10-46
Table 7.10.14	Summary of Potential Fishery-Shipping Interactions.....	7.10-57
Table 7.10.15	Predicted Effect on Salmon Fisheries.....	7.10-58
Table 7.10.16	Predicted Effect on Groundfish Fisheries .....	7.10-59
Table 7.10.17	Summary of Mitigation and Enhancement Measures for the Assessment of Marine Use.....	7.10-64
Table 7.10.18	Project Residual Effects on Marine Use .....	7.10-66
Table 7.10.19	Interactions with the Potential to Contribute to Cumulative Effects .....	7.10-69
Table 7.10.20	Summary of Residual Cumulative Effects on Marine Use .....	7.10-77
Table 7.11.1	Summary of Key Information and Concerns about the Project Related to Infrastructure and Services .....	7.11-2
Table 7.11.2	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Infrastructure and Services .....	7.11-4
Table 7.11.3	Population, Age and Gender Characteristics, LAA, RAA, and Regional Districts ....	7.11-10
Table 7.11.4	Diverse Populations, LAA and RAA, 2016.....	7.11-11
Table 7.11.5	Registered Population of Indigenous Groups in the LAA and RAA.....	7.11-12
Table 7.11.6	Water Infrastructure Capacity .....	7.11-14
Table 7.11.7	Sewage Infrastructure Capacity.....	7.11-15
Table 7.11.8	Schools in the Local Assessment Area, 2021 .....	7.11-17
Table 7.11.9	Total Licensed Childcare Facilities and Spaces, LAA, 2020 .....	7.11-20
Table 7.11.10	Total Officers and Crime Statistics, 2015 and 2019 .....	7.11-25
Table 7.11.11	Traffic Counts in the LAA .....	7.11-27
Table 7.11.12	Fatal Victims By Icbc (2015 TO 2019).....	7.11-29
Table 7.11.13	LAA Housing Characteristics, 2011 and 2016 .....	7.11-31
Table 7.11.14	Core Housing Need, 2016 .....	7.11-33
Table 7.11.15	Vacancy Rates and Rental Market Survey Results, 2010 to 2020.....	7.11-35
Table 7.11.16	Temporary Accommodation Characteristics, 2021.....	7.11-36



Table 7.11.17	Existing Work Camps, LAA.....	7.11-38
Table 7.11.18	Potential Project Interactions and Effects on Infrastructure and Services.....	7.11-40
Table 7.11.19	Characterization of Residual Effects for Infrastructure and Services .....	7.11-42
Table 7.11.20	Mitigation and Enhancement Measures for Infrastructure and Services .....	7.11-47
Table 7.11.21	Mitigation and Enhancement Measures for Change in Accommodation Availability .....	7.11-57
Table 7.11.22	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Change in Transportation Infrastructure.....	7.11-61
Table 7.11.23	Project Residual Effects on Infrastructure and Services.....	7.11-66
Table 7.11.24	Interactions with the Potential to Contribute to Cumulative Effects on Infrastructure and Services .....	7.11-70
Table 7.11.25	Summary of Residual Cumulative Effects on Infrastructure and Services .....	7.11-77
Table 7.12.1	Summary of Key Information and Concerns for the Project Related to Human Health.....	7.12-3
Table 7.12.2	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Human Health .....	7.12-5
Table 7.12.3	Potential Project Interactions and Effects on Human Health.....	7.12-8
Table 7.12.4	Exposure Pathways Considered in the Human Health Valued Component.....	7.12-10
Table 7.12.5	Human Receptor Locations for Inhalation of COPCs in Air.....	7.12-18
Table 7.12.6	Human Receptor Locations for Noise Effects.....	7.12-21
Table 7.12.7	Characterization of Residual Effects.....	7.12-22
Table 7.12.8	Exposure Concentration and Hazard Quotient for One-hour Sulphur Dioxide .....	7.12-26
Table 7.12.9	Exposure Concentration and Hazard Quotient for One-hour Nitrogen Dioxide.....	7.12-28
Table 7.12.10	Exposure Concentration and Hazard Quotient for Annual Nitrogen Dioxide.....	7.12-29
Table 7.12.11	Exposure Concentration and Hazard Quotient for 24-hour PM <sub>2.5</sub> .....	7.12-31
Table 7.12.12	Exposure Concentration and Hazard Quotient for Annual PM <sub>2.5</sub> .....	7.12-32
Table 7.12.13	Percent Highly Annoyed – Construction Phase.....	7.12-34
Table 7.12.14	Percent Highly Annoyed – Operation Phase .....	7.12-35
Table 7.12.15	Nighttime Noise Level during Operation .....	7.12-36
Table 7.12.16	Project Residual Effects on Human Health.....	7.12-38
Table 7.12.17	Project Inclusion List for Cumulative Effects on Human Health from Noise.....	7.12-40
Table 7.13.1	Summary of Key Legislation, Policy, and Regulatory Guidance Documents for Heritage.....	7.13-1
Table 7.13.2	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Heritage.....	7.13-2



Table 7.13.3	Potential Project Interactions and Effects on Heritage .....	7.13-6
Table 8.1.1	Summary of Key Legislation, Policy, and Regulatory Guidance Documents for Greenhouse Gases .....	8-1
Table 8.2.1	Summary of Key Information and Concerns for the Project Related to Greenhouse Gases .....	8-3
Table 8.4.1	Canada, British Columbia and Oil and Gas Sector 2019 Greenhouse Gas Emissions .....	8-5
Table 8.4.2	Canada, British Columbia and Oil and Gas Sector Greenhouse Gas Reduction Targets .....	8-5
Table 8.6.1	Calculation Methods for Direct Greenhouse Gas Emission Estimates.....	8-7
Table 8.6.2	Mitigation and Enhancement Measures Proposed to Avoid or Reduce Greenhouse Gas Emissions .....	8-10
Table 8.6.3	Total Direct Greenhouse Gas Emissions—Construction.....	8-12
Table 8.6.4	Annual Net Greenhouse Gas Emissions – Construction .....	8-13
Table 8.6.5	Comparison of Estimated Direct Annual Construction Emissions to Canada, British Columbia, and Oil and Gas Sector Greenhouse Gas Emissions Totals .....	8-15
Table 8.6.6	Comparison of Estimated Direct Annual Construction Emissions to Canada, British Columbia, and Provincial Oil and Gas Sector Greenhouse Gas Emission Reduction Targets.....	8-15
Table 8.6.7	Total Annual Direct Ghg Emissions – Operation .....	8-17
Table 8.6.8	Annual Net Greenhouse Gas Emissions—Operation.....	8-18
Table 8.6.9	Comparison of Estimated Direct Annual Operation Emissions to Canada, British Columbia, and Oil and Gas Sector Greenhouse Gas Emissions Totals .....	8-20
Table 8.6.10	Comparison of Estimated Direct Annual Operation Emissions to Canada, British Columbia, and Provincial Oil and Gas Sector Greenhouse Gas Emission Reduction Targets.....	8-20
Table 9.2.1	Risk Matrix .....	9-5
Table 9.2.2	Likelihood Ratings for Malfunctions and Accidents .....	9-5
Table 9.2.3	Consequence Ratings for Malfunctions and Accidents .....	9-5
Table 9.2.4	Interaction with Valued Components .....	9-6
Table 9.3.1	Summary of Risk for Loss of Containment of LNG.....	9-12
Table 9.4.1	Summary of Risk for Spills of Hazardous Materials.....	9-19
Table 9.5.1	Summary of Risk for Emergency Shutdown .....	9-23
Table 9.6.1	Summary of Risk for a Fire or Explosion .....	9-28
Table 9.7.1	Summary of Risk for an LNG Carrier Grounding .....	9-34
Table 9.8.1	Summary of Risk for a FLNG Allision .....	9-36



Table 10.2.1	Consequence .....	10-2
Table 10.2.2	Consequence Likelihood.....	10-3
Table 10.2.3	Risk Matrix .....	10-3
Table 11.1.1	Haisla Nation Reserves .....	11-10
Table 11.5.1	Application Concordance to IAA Requirements for Haisla Nation .....	11-17
Table 11.5.2	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Haisla Nation Interests .....	11-27
Table 11.5.3	Potential Project Interactions with Haisla Nation's Interests.....	11-28
Table 11.5.4	Characterization of Residual Effects.....	11-31
Table 11.5.5	Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Haisla Nation .....	11-35
Table 11.5.6	Changes to Haisla Nation Consumption and Harvest .....	11-41
Table 11.5.7	Changes to Haisla Nation Use and Integrity of Sacred and Culturally Important Sites and Landscape Features .....	11-57
Table 11.5.8	Changes that Affect Aspects of Haisla Nation Governance .....	11-69
Table 11.5.9	Project Residual Effects on Haisla Nation Interests .....	11-80
Table 11.5.10	Interactions with the Potential to Contribute to Cumulative Effects .....	11-83
Table 11.5.11	Cumulative Effects on Haisla Nation Interests.....	11-87
Table 12.1.1	Gitga'at First Nation Reserves .....	12-13
Table 12.5.1	Application Concordance to IAA Requirements for Gitga'at First Nation .....	12-20
Table 12.5.2	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Gitga'at First Nation INTERESTs.....	12-29
Table 12.5.3	Potential Project Interactions with Gitga'at First Nation's Interests .....	12-32
Table 12.5.4	Characterization of Residual Effects.....	12-35
Table 12.5.5	Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Gitga'at First Nation .....	12-38
Table 12.5.6	Changes to consumption and harvest .....	12-43
Table 12.5.7	Changes to use and integrity of sacred and culturally important sites and landscape features.....	12-53
Table 12.5.8	Changes that affect Gitga'at First Nation's governance .....	12-59
Table 12.5.9	Project Residual Effects on Gitga'at First Nation Interests .....	12-66
Table 12.5.10	Interactions with the Potential to Contribute to Cumulative Effects .....	12-69
Table 12.5.11	Cumulative Effects ON Gitga'at First Nation Interests.....	12-73
Table 13.1.1	Gitxaala Nation Reserves .....	13-9



Table 13.5.1	Application Concordance to IAA Requirements for Gitxaala Nation.....	13-19
Table 13.5.2	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Gitxaala Nation Interests.....	13-26
Table 13.5.3	Potential Project Interactions with Gitxaala Nation’s Interests .....	13-29
Table 13.5.4	Characterization of Residual Effects.....	13-32
Table 13.5.5	Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Gitxaala Nation .....	13-35
Table 13.5.6	Changes that Affect Gitxaala Nation’s Harvesting.....	13-41
Table 13.5.7	Changes that Affect Gitxaala Nation’s Sacred Places.....	13-51
Table 13.5.8	Changes that Affect Gitxaala Nation’s Governance .....	13-59
Table 13.5.9	Changes that Affect Gitxaala Nation’s Cultural Identity.....	13-67
Table 13.5.10	Project Residual Effects on Gitxaala Nation Interests .....	13-74
Table 13.5.11	Interactions with the Potential to Contribute to Cumulative Effects .....	13-76
Table 13.5.12	Cumulative Effects on Gitxaala Nation’s Interests.....	13-81
Table 14.1.1	Kitselas First Nation Reserves.....	14-8
Table 14.5.1	Application Concordance to IAA Requirements for Kitselas First Nation .....	14-15
Table 14.5.2	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Kitselas First Nation Interests .....	14-22
Table 14.5.3	Potential Project Interactions with Kitselas First Nation’s Interests .....	14-25
Table 14.5.4	Characterization of Residual Effects.....	14-27
Table 14.5.5	Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Kitselas First Nation.....	14-31
Table 14.5.6	Changes to Consumption and Harvest.....	14-37
Table 14.5.7	Changes to Use and Integrity of Sacred and Culturally Important Sites and Landscape Features .....	14-47
Table 14.5.8	Changes that Affect Aspects of Kitselas First Nation Governance.....	14-55
Table 14.5.9	Project Residual Effects on Kitselas First Nation Interests.....	14-64
Table 14.5.10	Interactions with the Potential to Contribute to Cumulative Effects .....	14-67
Table 14.5.11	Cumulative Effects on Kitselas First Nation Interests.....	14-72
Table 15.1.1	Kitsumkalum First Nation Reserves.....	15-7
Table 15.5.1	Application Concordance to Impact Assessment Act Requirements for Kitsumkalum First Nation .....	15-14
Table 15.5.2	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Kitsumkalum First Nation interests .....	15-21
Table 15.5.3	Potential Project Interactions with Kitsumkalum First Nation’s Interests .....	15-23



Table 15.5.4	Characterization of Residual Effects .....	15-25
Table 15.5.5	Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for KitsumkAlum First Nation .....	15-29
Table 15.5.6	Changes to Consumption and Harvest .....	15-35
Table 15.5.7	Changes to Use and Integrity of Sacred and Culturally Important Sites and Landscape Features .....	15-45
Table 15.5.8	Changes that Affect Aspects of Kitsumkalum First Nation Governance.....	15-51
Table 15.5.9	Changes that Affect Access and Travel.....	15-61
Table 15.5.10	Project Residual Effects on Kitsumkalum First Nation Interests.....	15-67
Table 15.5.11	Interactions with the Potential to Contribute to Cumulative Effects .....	15-70
Table 15.5.12	Cumulative Effects on Kitsumkalum First Nation Interests .....	15-76
Table 16.4.1	Coast Tsimshian Interests .....	16-5
Table 16.4.2	Selection of Coast Tsimshian Interests for Assessment.....	16-6
Table 16.4.3	Past and Present Projects and Activities .....	16-8
Table 16.4.4	Reasonably Foreseeable Projects and Activities.....	16-9
Table 16.4.5	Residual Effects Characterization Criteria .....	16-10
Table 16.5.1	Project Interactions, Potential Effects and Indicators for Marine Harvesting.....	16-14
Table 16.5.2	Proposed Mitigation Measures for Marine Harvesting.....	16-16
Table 16.5.3	Residual Effects Characterization for Change in Harvesting Success .....	16-17
Table 16.5.4	Residual Effects Characterization for Change in Harvesting Effort .....	16-18
Table 16.5.5	Seriousness of Project-specific Residual Effects on Marine Harvesting .....	16-19
Table 16.6.1	Project Interactions, Potential Effects and Indicators for Sense of Place.....	16-20
Table 16.6.2	Proposed Mitigation Measures for Sense of Place.....	16-21
Table 16.6.3	Residual Effects Characterization for Change in Peaceful Enjoyment.....	16-22
Table 16.6.4	Seriousness of Project-specific Residual Effects on Sense of Place .....	16-23
Table 16.7.1	Summary of Project Effects on Coast Tsimshian Interests.....	16-24
Table 18.1.1	Haida Nation Reserves .....	18-8
Table 18.5.1	Application Concordance to <i>Impact Assessment Act</i> Requirements for Haida Nation.....	18-15
Table 18.5.2	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Haida Nation Interests .....	18-21
Table 18.5.3	Potential Project Interactions With Haida Nation’s Interests .....	18-22
Table 18.5.4	Characterization of Residual Effects.....	18-25

Table 18.5.5	Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Haida Nation .....	18-28
Table 18.5.6	Changes to Haida Nation Consumption and Harvest .....	18-33
Table 18.5.7	Changes to Haida Nation Use and Integrity of Sacred and Culturally Important Sites and Landscape Features .....	18-39
Table 18.5.8	Changes that Affect Aspects of Haida Nation Governance .....	18-43
Table 19.5.1	Application Concordance to <i>Impact Assessment Act</i> Requirements for Métis Nation British Columbia .....	19-10
Table 19.5.2	Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Métis Nation British Columbia Interests .....	19-16
Table 19.5.3	Potential Project Interactions with Métis Nation British Columbia Interests .....	19-18
Table 19.5.4	Characterization of Residual Effects .....	19-20
Table 19.5.5	Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives Métis Nation British Columbia .....	19-24
Table 19.5.6	Changes to Métis Nation British Columbia Consumption and Harvest .....	19-27
Table 19.5.7	Changes to Use and Integrity of Sacred and Culturally Important Sites and Landscape Features .....	19-37
Table 19.5.8	Changes that Affect Aspects of Métis Governance .....	19-45
Table 19.5.9	Project Residual Effects on Métis Nation British Columbia Interests .....	19-51
Table 19.5.10	Interactions with the Potential to Contribute to Cumulative Effects .....	19-53
Table 19.5.11	Cumulative Effects on Métis Nation British Columbia's Interests .....	19-56
Table 20.1.1	Effects within Federal Jurisdiction.....	20-3
Table 20.1.2	Federal Impact Assessment Act Section 22 Factors .....	20-9
Table 21.3.1	Key Biophysical Factors that Support Ecosystem Function .....	21-6
Table 21.4.1	Biophysical Factors Linked to the Valued Component Assessments .....	21-9
Table 22.2.1	Indicators for Human and Community Well-being and Project Effect Pathways .....	22-5
Table 22.2.2	Life Expectancy and Mortality British Columbia Health Regions 2015–2017 .....	22-9
Table 22.2.3	Self-Reported Health Status, NWHSDA and British Columbia 2017/2018.....	22-10
Table 22.2.4	Self-reported Body Mass Index and Health Behaviors (2017/2018) .....	22-11
Table 22.2.5	Rates of Sexually Transmitted Infections 2015-2019 .....	22-12
Table 22.2.6	Suicide Death Rates by Health Authority 2013-2018 .....	22-13
Table 22.2.7	Income Characteristics of Couple and Lone-parent families 2015-2019.....	22-15
Table 22.3.1	Summary of Mitigation and Enhancement Measures for Health Determinants.....	22-27
Table 22.5.1	Disproportionate Effects and Mitigation and Enhancement Measures for the Project .....	22-40



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Table 23.2.1	Project Alignment with Regional and Provincial Initiatives .....	23-5
Table 24.0.1	Summary of Project Residual and Cumulative Effects .....	24-7

## List of Figures

Figure E1	Cedar LNG Project Location .....	ES-81
Figure E2	Project Footprint.....	ES-82
Figure E3	Cedar LNG Project Marine Shipping Route .....	ES-83
Figure E4	Indigenous Nation Traditional Territories Interacting with the Project and Shipping Route.....	ES-84
Figure 1.1.1	Cedar LNG Project Location .....	1-42
Figure 1.3.1	Cedar LNG Project Area .....	1-43
Figure 1.3.2	Cedar LNG Project Marine Shipping Route .....	1-44
Figure 1.3.3	Project Area and Surrounding Land Ownership and Tenures .....	1-45
Figure 1.3.4	Key Environmental Features Near the Project Area.....	1-46
Figure 1.3.5	Key Environmental Features Along the Shipping Route.....	1-47
Figure 1.3.6	Indigenous Nation Traditional Territories Interacting with the Project and Shipping Route.....	1-48
Figure 1.4.1	Project Footprint.....	1-49
Figure 1.4.2	Conceptual Marine Terminal Layout .....	1-50
Figure 1.4.3	Conceptual Strut Mooring System .....	1-51
Figure 1.4.4	Conceptual Small Craft Jetty Layout.....	1-52
Figure 6.8.1	Location of Projects on the Project Inclusion List .....	6-27
Figure 7.2.1	Air Quality (Marine Terminal) Local and Regional Assessment Areas .....	7.2-34
Figure 7.2.2	Air Quality (Shipping) Local and Regional Assessment Areas .....	7.2-35
Figure 7.3.1	Acoustic Local and Regional Assessment Areas .....	7.3-45
Figure 7.3.2	Acoustic (Shipping) Local and Regional Assessment Areas .....	7.3-46
Figure 7.3.3	Noise Sensitive Receptor Locations .....	7.3-47
Figure 7.3.4	Construction Phase Daytime ( $L_d$ ) Predictive Noise Contour Map.....	7.3-48
Figure 7.3.5	Operation Phase Predictive Daytime ( $L_d$ ) Noise Contour Map.....	7.3-49
Figure 7.3.6	Operation Phase Predictive Nighttime ( $L_n$ ) Noise Contour Map .....	7.3-50
Figure 7.3.7	Operation Phase Predictive Daytime ( $L_d$ ) Marine Shipping Route Noise Contour Map .....	7.3-51
Figure 7.3.8	Operation Phase Predictive Nighttime ( $L_n$ ) Marine Shipping Route Noise Contour Map .....	7.3-52
Figure 7.4.1	Marine Terminal and Emissions Assessment Areas .....	7.4-98

Figure 7.4.2	Field Plots, Plant Species at Risk, and Invasive Plants in the Marine Terminal RAA .....	7.4-99
Figure 7.4.3	Vegetation Resources Ecological Communities of Interest .....	7.4-101
Figure 7.4.4	Vegetation Resources Wetlands .....	7.4-103
Figure 7.4.5	Sulphur Dioxide Critical Level Exceedance .....	7.4-105
Figure 7.4.6	Acid Deposition (Sulphur and Nitrogen) Calculated Critical Load Exceedance for Base Case and Application Case .....	7.4-106
Figure 7.4.7	Nitrogen Deposition Calculated Critical Load Exceedance for Base Case and Application Case .....	7.4-107
Figure 7.5.1	Marine Terminal Wildlife Local and Regional Assessment Areas .....	7.5-89
Figure 7.5.2	Shipping Wildlife Local and Regional Assessment Areas .....	7.5-90
Figure 7.5.3	Important Wildlife Areas in the Marine Terminal Wildlife Local and Regional Assessment Areas .....	7.5-91
Figure 7.5.4	Important Wildlife Areas in the Shipping Local and Regional Assessment Areas .....	7.5-92
Figure 7.5.5	Grizzly Bear Spring Feeding – Project Case .....	7.5-93
Figure 7.5.6	Grizzly Bear Fall Feeding – Project Case .....	7.5-94
Figure 7.5.7	Moose Winter Feeding – Project Case .....	7.5-95
Figure 7.5.8	Moose Winter Shelter – Project Case .....	7.5-96
Figure 7.5.9	Pacific Marten Year-round Living – Project Case .....	7.5-97
Figure 7.5.10	Marbled Murrelet Summer Breeding – Project Case .....	7.5-98
Figure 7.6.1	Local and Regional Assessment Area .....	7.6-55
Figure 7.6.2	Acidification and Eutrophication Assessment Areas .....	7.6-56
Figure 7.6.3	Project Components and Watercourse Crossings .....	7.6-57
Figure 7.6.4	Predicted S + N Deposition in the Project Area in the Base Case, Project-Along and Application Cases .....	7.6-57
Figure 7.7.1	Marine Resources (Marine Terminal) Local and Regional Assessment Areas .....	7.7-83
Figure 7.7.2	Marine Resources (Shipping) Local and Regional Assessment Areas .....	7.7-84
Figure 7.7.3	Coastal Parks and Conservation Areas .....	7.7-85
Figure 7.7.4	DFO Fisheries Management Areas and Subareas Extending to Triple Islands .....	7.7-86
Figure 7.7.5	Marine Fish Habitat Features in the Marine Terminal Local and Regional Assessment Areas .....	7.7-87
Figure 7.7.6	Marine Fish Habitat Features in the Shipping Local and Regional Assessment Areas .....	7.7-88
Figure 7.7.7	Shore Types and Benthic Classes in the Marine Terminal Local and Regional Assessment Areas .....	7.7-89

Figure 7.7.8	Salmon, Eulachon and Herring Spawning Areas in the Shipping Local and Regional Assessment Areas .....	7.7-90
Figure 7.7.9	Herring Spawning Areas in the Shipping Regional Assessment Area .....	7.7-91
Figure 7.7.10	DFO Important Areas for Marine Mammals .....	7.7-92
Figure 7.7.11	British Columbia Cetacean Sightings Network – Baleen Whale Sightings (1989–2020).....	7.7-93
Figure 7.7.12	British Columbia Cetacean Sightings Network – Toothed Whale Sightings (1961-2020).....	7.7-94
Figure 7.8.1	Unemployment Rates 2011-2020, North Coast and Nechako and British Columbia .....	7.8-15
Figure 7.8.2	Total Population – Change in LAA Employment by Sector, 2011 to 2016 .....	7.8-18
Figure 7.8.3	Total Population – Change in RAA Employment by Sector, 2011 to 2016.....	7.8-18
Figure 7.8.4	Indigenous Population—Change in LAA Employment by Sector, 2011 to 2016.....	7.8-21
Figure 7.8.5	Indigenous Population—Change in RAA Employment by Sector, 2011 to 2016 .....	7.8-21
Figure 7.8.6	2016-2020 Employment by Sector, North Coast and Nechako Economic Region ....	7.8-22
Figure 7.8.7	2016-2020 Employment by Broad Occupational Classification, North Coast and Nechako Economic Region.....	7.8-28
Figure 7.8.8	Forecast Change in Job Openings, Expansion Demand and Replacement Demand, North Coast and Nechako Economic Region, 2019-2029 .....	7.8-30
Figure 7.8.9	Annual Income After Basic Cost-of-Living Expenses by Tenure, Kitimat and Terrace (Annual Income of \$75K, \$95K, and \$125K).....	7.8-46
Figure 7.8.10	BCPI Component indices 2011-2020.....	7.8-59
Figure 7.8.11	Employment and Economy Local Assessment Area .....	7.8-99
Figure 7.8.12	Employment and Economy Regional Assessment Area .....	7.8-100
Figure 7.9.1	Land Ownership and Assessment Areas .....	7.9-75
Figure 7.9.2	Crown Land Tenure .....	7.9-76
Figure 7.9.3	Guiding, Trapping and Wildlife Management Unit Areas.....	7.9-77
Figure 7.9.4	Oil and Gas, Power, Mineral and Water Management Areas.....	7.9-78
Figure 7.9.5	Forestry Land Tenure.....	7.9-79
Figure 7.9.6	Parks, Recreation and Visual Quality .....	7.9-80
Figure 7.10.16	Kitimat and Prince Rupert Shipping Traffic and Average Salmon Landings for FMAs 4, 5, and 6 from 2016–2020 .....	7.10-75
Figure 7.10.1	Local Assessment Boundary for Marine Use.....	7.10-81
Figure 7.10.2	Regional Assessment Boundary for Marine Use .....	7.10-82
Figure 7.10.3	Passenger Vessel Routes.....	7.10-83

---

Figure 7.10.4	DFO Fisheries Management Areas and Sub-Areas .....	7.10-84
Figure 7.10.5	Commercial Fishing Ground: Salmon .....	7.10-85
Figure 7.10.6	Commercial Fishing Ground: Groundfish.....	7.10-86
Figure 7.10.7	Commercial Fishing Ground: Herring .....	7.10-87
Figure 7.10.8	Commercial Fishing Grounds: Dive-Based Features .....	7.10-88
Figure 7.10.9	Commercial Fishing Ground: Prawn and Shrimp .....	7.10-89
Figure 7.10.10	Commercial Fishing Ground: Crab .....	7.10-90
Figure 7.10.11	Recreational Fishing Grounds .....	7.10-91
Figure 7.10.12	Marine Accessible Parks and Important Areas .....	7.10-92
Figure 7.10.13	Recreational Boating and Sea Kayaking Routes.....	7.10-93
Figure 7.10.14	Anchorage and Scuba Dive Sites .....	7.10-94
Figure 7.10.15	Marinas and Coastal Facilities .....	7.10-95
Figure 7.11.1	North Central Crashes by ICBC (2016 to 2020) .....	7.11-28
Figure 7.11.2	Infrastructure and Services Local Assessment Area .....	7.11-80
Figure 7.11.3	Infrastructure and Services Regional Assessment Area .....	7.11-81
Figure 7.12.1	Local and Regional Assessment Area for Human Health from Air Quality Effects ..	7.12-43
Figure 7.12.2	Local and Regional Assessment Area for Human Health from Noise Effects .....	7.12-44
Figure 7.12.3	Human Receptor Locations for Air Quality .....	7.12-45
Figure 7.12.4	Noise Sensitive Receptor Locations .....	7.12-46
Figure 7.12.5	1-Hour SO <sub>2</sub> Concentrations (Base Case) .....	7.12-47
Figure 7.12.6	1-Hour SO <sub>2</sub> Concentrations (Application Case).....	7.12-48
Figure 7.12.7	1-Hour SO <sub>2</sub> Concentrations (Project-Alone Case).....	7.12-49
Figure 7.12.8	1-Hour NO <sub>2</sub> Concentrations (Base Case).....	7.12-50
Figure 7.12.9	1-Hour NO <sub>2</sub> Concentrations (Application Case).....	7.12-51
Figure 7.12.10	1-Hour NO <sub>2</sub> Concentrations (Project-Alone Case) .....	7.12-52
Figure 7.12.11	Annual Average NO <sub>2</sub> Concentrations (Base Case) .....	7.12-53
Figure 7.12.12	Annual Average NO <sub>2</sub> Concentrations (Application Case).....	7.12-54
Figure 7.12.13	Annual Average NO <sub>2</sub> Concentrations (Project-Alone Case).....	7.12-55
Figure 7.12.14	24-Hour Average PM <sub>2.5</sub> Concentrations (Base Case).....	7.12-56
Figure 7.12.15	24-Hour Average PM <sub>2.5</sub> Concentrations (Application Case).....	7.12-57
Figure 7.12.16	24-Hour Average PM <sub>2.5</sub> Concentrations (Project-Alone Case).....	7.12-58
Figure 7.12.17	Annual Average PM <sub>2.5</sub> Concentrations (Base Case) .....	7.12-59
Figure 7.12.18	Annual Average PM <sub>2.5</sub> Concentrations (Application Case).....	7.12-60

Figure 7.12.19	Annual Average PM <sub>2.5</sub> Concentrations (Project-Alone Case).....	7.12-61
Figure 7.12.20	Construction Phase Daytime (L <sub>d</sub> ) Predictive Noise Contour Map.....	7.12-62
Figure 7.12.21	Operation Phase Predictive Daytime (L <sub>d</sub> ) Noise Contour Map.....	7.12-63
Figure 7.12.22	Operation Phase Predictive Nighttime (L <sub>n</sub> ) Noise Contour Map.....	7.12-64
Figure 7.12.23	Operation Phase Predictive Daytime (L <sub>d</sub> ) Noise Contour Map - Shipping Route.....	7.12-65
Figure 7.13.1	Heritage Local and Regional Assessment Areas.....	7.13-11
Figure 11.9.1	Haisla Nation Traditional Territory Overview Map.....	11-104
Figure 11.9.2	Assessment Boundaries for Haisla Nation Traditional Territory Key Map.....	11-105
Figure 11.9.3	Assessment Boundaries for Haisla Nation Traditional Territory Acoustic.....	11-106
Figure 11.9.4	Assessment Boundaries for Haisla Nation Traditional Territory Air Quality.....	11-107
Figure 11.9.5	Assessment Boundaries for Haisla Nation Traditional Territory Employment and Economy.....	11-108
Figure 11.9.6	Assessment Boundaries for Haisla Nation Traditional Territory Freshwater Fish.....	11-109
Figure 11.9.7	Assessment Boundaries for Haisla Nation Traditional Territory Human Health.....	11-110
Figure 11.9.8	Assessment Boundaries for Haisla Nation Traditional Territory Infrastructure and Services.....	11-111
Figure 11.9.9	Assessment Boundaries for Haisla Nation Traditional Territory Land and Resource Use.....	11-112
Figure 11.9.10	Assessment Boundaries for Haisla Nation Traditional Territory Marine Resources..	11-113
Figure 11.9.11	Assessment Boundaries for Haisla Nation Traditional Territory Marine Use.....	11-114
Figure 11.9.12	Assessment Boundaries for Haisla Nation Traditional Territory Vegetation.....	11-115
Figure 11.9.13	Assessment Boundaries for Haisla Nation Traditional Territory Wildlife.....	11-116
Figure 12.9.1	Gitga'at First Nation Traditional Territory Overview Map.....	12-90
Figure 12.9.2	Assessment Boundaries for Gitga'at First Nation Traditional Territory Key Map.....	12-91
Figure 12.9.3	Assessment Boundaries for Gitga'at First Nation Traditional Territory Acoustic.....	12-92
Figure 12.9.4	Assessment Boundaries for Gitga'at First Nation Traditional Territory Air Quality.....	12-93
Figure 12.9.5	Assessment Boundaries for Gitga'at First Nation Traditional Territory Employment and Economy.....	12-94
Figure 12.9.6	Assessment Boundaries for Gitga'at First Nation Traditional Territory Human Health.....	12-95
Figure 12.9.7	Assessment Boundaries for Gitga'at First Nation Traditional Territory Infrastructure and Services.....	12-96
Figure 12.9.8	Assessment Boundaries for Gitga'at First Nation Traditional Territory Land and Resource Use.....	12-97



Figure 12.9.9	Assessment Boundaries for Gitga'at First Nation Traditional Territory Marine Resources .....	12-98
Figure 12.9.10	Assessment Boundaries for Gitga'at First Nation Traditional Territory Marine Use ....	12-99
Figure 12.9.11	Assessment Boundaries for Gitga'at First Nation Traditional Territory Wildlife .....	12-100
Figure 13.9.1	Gitxaala Nation Territory Overview Map .....	13-95
Figure 13.9.2	Assessment Boundaries for Gitxaala Nation Territory Key Map .....	13-96
Figure 13.9.3	Assessment Boundaries for Gitxaala Nation Territory Acoustic .....	13-97
Figure 13.9.4	Assessment Boundaries for Gitxaala Nation Territory Air Quality .....	13-98
Figure 13.9.5	Assessment Boundaries for Gitxaala Nation Territory Employment and Economy ....	13-99
Figure 13.9.6	Assessment Boundaries for Gitxaala Nation Territory Human Health.....	13-100
Figure 13.9.7	Assessment Boundaries for Gitxaala Nation Territory Infrastructure and Services ..	13-101
Figure 13.9.8	Assessment Boundaries for Gitxaala Nation Territory Land and Resource Use.....	13-102
Figure 13.9.9	Assessment Boundaries for Gitxaala Nation Territory Marine Resources .....	13-103
Figure 13.9.10	Assessment Boundaries for Gitxaala Nation Territory Marine Use .....	13-104
Figure 13.9.11	Assessment Boundaries for Gitxaala Nation Territory Wildlife .....	13-105
Figure 14.9.1	Kitselas First Nation Traditional Territory Overview MAP .....	14-86
Figure 14.9.2	Assessment Boundaries for Kitselas First Nation Traditional Territory Key Map .....	14-87
Figure 14.9.3	Assessment Boundaries for Kitselas First Nation Traditional Territory Acoustic.....	14-88
Figure 14.9.4	Assessment Boundaries for Kitselas First Nation Traditional Territory Air Quality.....	14-89
Figure 14.9.5	Assessment Boundaries for Kitselas First Nation Traditional Territory Employment and Economy .....	14-90
Figure 14.9.6	Assessment Boundaries for Kitselas First Nation Traditional Territory Freshwater Fish.....	14-91
Figure 14.9.7	Assessment Boundaries for Kitselas First Nation Traditional Territory Human Health.....	14-92
Figure 14.9.8	Assessment Boundaries for Kitselas First Nation Traditional Territory Infrastructure and services.....	14-93
Figure 14.9.9	Assessment Boundaries for Kitselas First Nation Traditional Territory Land and Resources Use.....	14-94
Figure 14.9.10	Assessment Boundaries for Kitselas First Nation Traditional Territory Marine Resources .....	14-95
Figure 14.9.11	Assessment Boundaries for Kitselas First Nation Traditional Territory Marine USe ...	14-96
Figure 14.9.12	Assessment Boundaries for Kitselas First Nation Traditional Territory Wildlife.....	14-97
Figure 15.9.1	Kitsumkalum First Nation Traditional Territory Overview Map.....	15-90

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Figure 15.9.2	Assessment Boundaries for Kitsumkalum First Nation Traditional Territory Key Map .....	15-91
Figure 15.9.3	Assessment Boundaries for Kitsumkalum First Nation Traditional Territory Acoustic.....	15-92
Figure 15.9.4	Assessment Boundaries for Kitsumkalum First Nation Traditional Territory Air Quality .....	15-93
Figure 15.9.5	Assessment Boundaries for Kitsumkalum First Nation Traditional Territory Employment and Economy .....	15-94
Figure 15.9.6	Assessment Boundaries for Kitsumkalum First Nation Traditional Territory Human Health .....	15-95
Figure 15.9.7	Assessment Boundaries for Kitsumkalum First Nation Traditional Territory Infrastructure and Services .....	15-96
Figure 15.9.8	Assessment Boundaries for Kitsumkalum First Nation Traditional Territory Land and Resource Use .....	15-97
Figure 15.9.9	Assessment Boundaries for Kitsumkalum First Nation Traditional Territory Marine Resources .....	15-98
Figure 15.9.10	Assessment Boundaries for Kitsumkalum First Nation Traditional Territory Marine Use .....	15-99
Figure 15.9.11	Assessment Boundaries for Kitsumkalum First Nation Traditional Territory Wildlife.....	15-100
Figure 16.1.1	Lax Kw'alaams Traditional Territory.....	16-27
Figure 16.1.2	Metlakatla Traditional Territory .....	16-28
Figure 18.9.1	Assessment Boundaries for Haida Territory .....	18-49
Figure 19.9.1	Assessment Boundaries for Métis Nation British Columbia.....	19-70
Figure 21.3.1	Simplified Diagram of Project-related Ecosystem Functions.....	21-5
Figure 22.1.1	Social Determinants of Health .....	22-46
Figure 22.1.2	First Nation Perspective on Health and Wellness.....	22-47

## List of Photos

Photo 7.9.1	Panoramic View from Kitimaat Village.....	7.9-26
Photo 7.9.2	View from Shoreline Kitimat Arm (Douglas Channel) Towards the Cedar site.....	7.9-26
Photo 7.9.3	Cedar Nighttime View .....	7.9-27
Photo 7.9.4	Night View to North of Kitimaat Village .....	7.9-27
Photo 7.9.5	Overhead View of Cedar Project Location.....	7.9-56
Photo 7.9.6	Marine Terminal Area.....	7.9-56
Photo 7.9.7	FLNG Facility and Marine Terminal Area Rendering.....	7.9-57
Photo 7.9.8	Overhead Rendering of FLNG Facility and Marine Terminal Area in Relation to Kitimaat Village .....	7.9-57
Photo 7.9.9	View of FLNG Facility and Marine Terminal Area from Mid-Stream Douglas Channel (Kitimat Arm).....	7.9-58

## List of Appendices

Appendix A	Summary of Mitigation Measures
Appendix B	Valued Components Selection Memo
Appendix C	Requested Certified Project Description
Appendix D	Environmental Assessment Certificate Application Contribution Summary Table
Appendix 7.2A	Air Quality Technical Data Report
Appendix 7.2B	Dispersion Modelling of Air Emissions from an LNG Carrier in Transit
Appendix 7.3A	Acoustic Technical Data Report
Appendix 7.4A	Vegetation Resources Technical Data Report
Appendix 7.4B	Terrestrial Air Emissions Assessment Technical Data Report
Appendix 7.5A	Wildlife Technical Data Report
Appendix 7.6A	Freshwater Fish and Fish Habitat Technical Data Report
Appendix 7.6B	Surface Water Acidification and Eutrophication Assessment Technical Data Report
Appendix 7.7A	Marine Resources Technical Data Report
Appendix 7.7B	Marine Water and Sediment Quality Technical Memorandum
Appendix 7.8A	National Occupational Classification Education and Skills Requirements
Appendix 7.12A	Human Health Risk Assessment Technical Data Report
Appendix 7.13A	Technical Data Report 2020-0013: Archaeological Impact Assessment
Appendix 8A	Greenhouse Gas Emissions Technical Data Report
Appendix 8B	Strategic Assessment of Climate Change Technical Report

# Executive Summary

## E1.0 Introduction

### E1.1 Overview

Cedar LNG Partners LP, by its general partner Cedar LNG Partners (GP) Ltd. (Cedar), is proposing to construct and operate the Cedar LNG Project (Project), a liquefied natural gas (LNG) export facility within the District of Kitimat, British Columbia (Figure E1). The Project consists of the following components and facilities:

- Floating LNG (FLNG) facility—A purpose-built, permanently-moored floating natural gas liquefaction facility with the capacity to process 400 million standard cubic feet per day (11.3 million cubic metres) of natural gas using established liquefaction technology into approximately three million tonnes per annum (3 million tonnes per annum) of LNG for export to international markets.
- Marine terminal—A dedicated terminal providing permanent mooring for the FLNG facility and power and gas pipeline connections to the FLNG facility as well as an optional small craft (tug) jetty
- Supporting infrastructure—Land-based supporting infrastructure, including warehouse(s), substation, security building, parking, access roads, and an approximate 8 kilometre (km) long, 287 kilovolt (kV) transmission line between BC Hydro’s Minette Substation and the Project Area

Additionally, the scope of the Project for this assessment includes the shipping of LNG between the marine terminal and the BC Coast Pilot boarding station location at or near Triple Islands.

The Project is subject to an environmental assessment under the British Columbia *Environmental Assessment Act*, SBC 2002 and an impact assessment under the federal *Impact Assessment Act*. On November 15, 2021, after obtaining input from Indigenous nations, federal departments, provincial agencies, and holding a 45-day public consultation period, the British Columbia Environmental Assessment Office (EAO) issued the final Application Information Requirements (AIR) for the environmental assessment. An Environmental Assessment Certificate Application (the Application) has been prepared in accordance with these requirements. This document has been prepared to provide a summary of the Application as required by the AIR. Specifically, the AIR identified the following to be incorporated into the Application Summary:

- Summary description of the Project, including the assessment scope (provided in Sections E2.0 and E5.0 of this document)
- Brief overview of engagement approaches with Indigenous nations, the public and government agencies to date (provided in Section E4.0 of this document)
- Summary of the key issues raised by Indigenous nations, the public and government agencies (provided in Section E4.0 of this document)



- 1 • Summary of key effects (positive and adverse), proposed mitigation and enhancement measures and
- 2 residual and cumulative effects (provided in Sections E6.0 to E9.0 of this document)
- 3 • Summary of key effects on Indigenous nations and their rights and proposed mitigation measures
- 4 (provided in Section E6.16 of this document)

5 The following sections provide a summary of the Application.

## 6 E1.2 The Proponent

7 Cedar LNG Partners LP is a Haisla Nation-led partnership with Pembina Pipeline Corporation (Pembina).  
 8 Haisla Nation are Indigenous peoples of Canada who reside at the head of Douglas Channel, near the  
 9 confluence of the Kitimat River, on the northwest coast of British Columbia. Haisla Nation Council is  
 10 committed to furthering economic development for the Haisla people and is recognized as a competent  
 11 and progressive organization by all agencies with whom they do business. Pembina is a Calgary-based  
 12 midstream service provider that has been serving North America’s energy industry for over 60 years,  
 13 including more than 50 years in British Columbia. Pembina owns an integrated system of pipelines that  
 14 transport various hydrocarbon liquids and natural gas products produced primarily in western Canada. It  
 15 also owns gas gathering and processing facilities and an oil and natural gas liquids infrastructure and  
 16 logistics business.

17 Cedar has retained Stantec Consulting Ltd. to manage and prepare the Environmental Assessment  
 18 Certificate Application. The contact information for Cedar is presented in Table E1.1.

**TABLE E1.1 PROPONENT INFORMATION**

<b>Name of the Designated/Reviewable Project</b>	Cedar LNG Project
<b>Name of the Proponent</b>	Cedar LNG Partners LP, by its general partner Cedar LNG Partners (GP) Ltd.
<b>Proponent Corporate Address</b>	Suite 1800 – 1177 West Hastings Street Vancouver, British Columbia V6E 2K3
<b>Proponent Contact Information</b>	604.245.1002
<b>Company Website</b>	<a href="http://cedarlng.com">cedarlng.com</a>
<b>Company President</b>	Doug Arnell, CEO
<b>Primary Contacts</b>	Michael Eddy, External Affairs Director Phone: 604.245.1002 Email: Michael.Eddy@cedarlng.com  Lara Taylor, Environmental Assessment Lead Phone: 604.245.1002 Email: Lara.Taylor@cedarlng.com

## 1 **E1.3 Benefits of the Project**

2 The Project is anticipated to be the first Indigenous-majority owned export facility in Canada. It is also a  
3 key element of the Haisla Nation's economic and social development strategy and will further advance  
4 reconciliation by allowing the Haisla Nation to—for the first time ever—directly own and participate in a  
5 major industrial development in its territory. Furthermore, within the context of the Canadian constitution  
6 and existing Canadian laws, the Project is also in keeping with the spirit and intent of Article 32 of the  
7 United Nations Declaration on the Rights of Indigenous peoples for Haisla Nation which states:

- 8 • Indigenous peoples have the right to determine and develop priorities and strategies for the  
9 development or use of their lands or territories and other resources.
- 10 • States shall consult and cooperate in good faith with the Indigenous peoples concerned through their  
11 own representative institutions in order to obtain their free and informed consent prior to the approval  
12 of any project affecting their lands or territories and other resources, particularly in connection with the  
13 development, utilization or exploitation of mineral, water or other resources.

14 The Haisla people have lived off the land and water resources of their traditional territory and Douglas  
15 Channel for thousands of years and strive to achieve self-sufficiency through economic development. The  
16 Haisla Nation business philosophy is to advance commercially successful initiatives and promote  
17 environmentally responsible and sustainable development while minimizing the impacts on land and  
18 water. Liquefied natural gas development has been identified as one such opportunity. The Project will  
19 provide jobs, contracting and other economic opportunities for Haisla Nation members, members of other  
20 local Indigenous nations, and the region. In addition, income generated by the Project will be invested  
21 back into the Haisla community.

22 The Project will also contribute to the advancement of the LNG sector in Canada. The global demand for  
23 LNG has steadily increased over the past decade, driven by demand in Asia and Europe, and is expected  
24 to increase from 360 million tonnes per year in 2020 to 700 million tonnes per year by 2040. The Project  
25 will help meet this increasing global demand for LNG by connecting abundant natural gas resources in  
26 the Western Canadian Sedimentary Basin with overseas markets. In addition, the Project is located a  
27 significantly shorter shipping distance to Asia-Pacific markets compared with competitors on the American  
28 Gulf Coast and will be powered by renewable electricity from BC Hydro. As a result, the Project will be  
29 one of the lowest carbon intensity LNG facilities in the world and is expected to achieve a greenhouse  
30 gas intensity of 0.08 metric tonnes of carbon dioxide equivalent (CO<sub>2</sub>e) per metric tonne of LNG produced  
31 (tCO<sub>2</sub>e/tLNG). This is 50 percent (%) lower than the emission limit of 0.16 tCO<sub>2</sub>e/tLNG established in the  
32 Province of British Columbia's *Greenhouse Gas Industrial Reporting and Control Act*.

33 The Project will create jobs, contracting and other economic opportunities for the Haisla Nation, residents  
34 of Kitimat and Terrace, neighbouring Indigenous nations, and the region. During construction it is  
35 expected the Project will have a peak workforce of approximately 500 workers. Cedar anticipates that it  
36 will have 100 full time staff members during the operation phase. In addition, income generated by the  
37 Project will be invested in the Haisla Nation, and contributions to taxes can be used to invest in local,  
38 regional and provincial infrastructure and services to support current and future generations.

## E2.0 Project Description

This section provides information regarding the Project, including project location, its components and activities, project wastes and Cedar's approach to environmental management.

### E2.1 Project Location

The Project will be located on Haisla Nation-owned, fee-simple land within the Nation's traditional territory, approximately 3 km west of Kitimaat Village across Kitimat Arm and approximately 10 km southwest of the Kitimat town centre (Figure E1). The Project includes both onsite and offsite components. Onsite components will be located within District Lot 99, the adjacent water lot (Lot A District Lot 5469) and submerged Crown land, which is called the Project Area (Figure E2). The Project Area encompasses approximately 125 hectares (ha).

Offsite components include an approximately 8 km long transmission line, within a 300 metre (m) wide permitting corridor, from the Minette Substation to the Project Area. The transmission line route is predominantly located on un-surveyed Crown land within the District of Kitimat, but also crosses two parcels of private property that are not owned by Haisla Nation: one in the immediate vicinity of Minette Substation and one along the middle of the route. It is expected that the right-of-way will be approximately 45 m wide, and the total area of the transmission line right-of-way is estimated to be approximately 32.5 ha. Some additional danger tree removal may be required.

The Project includes marine shipping between the Project Area and the Triple Islands pilot boarding station. Liquefied natural gas carriers visiting the marine terminal will follow the well-established shipping route to Kitimat (Figure E3). The LNG carriers will enter Canadian waters through Dixon Entrance north of Haida Gwaii and proceed eastward and then southward through Hecate Strait to the Triple Islands pilot boarding station. After the BC Coast Pilot(s) have boarded the LNG carrier, it would follow a route south into Browning Entrance at the northern extent of Banks Island. It would then enter Principe Channel before navigating through Nepean Sound, Otter Channel, Squally Channel, Lewis Passage, Wright Sound, and Douglas Channel to Kitimat. The shipping route passes through the marine traditional territories of seven Indigenous nations: Haisla Nation; Gitga'at First Nation; Gitxaala Nation<sup>1</sup>; Kitselas First Nation; Kitsumkalum First Nation; Lax Kw'alaams Band; and Metlakatla First Nation. The shipping lanes that the LNG carriers will follow as they head to international waters passes through Haida Nation's marine traditional territory. These marine areas may also be used by members of Métis Nation British Columbia. Figure E4 shows the traditional territory of each Indigenous nation in relation to the Project Area and shipping route.

Table E2.1 lists the federal and provincial parks, conservancies protected areas, federal lands and reserve lands within 40 km of the facility and transmission line corridor, and within 3 km of the shipping route. Table E2.2 shows the distances from the Project Area and shipping route to regional municipalities and Indigenous communities. Project components and activities do not overlap with lands outside of British Columbia or Canada.

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<sup>1</sup> Gitxaala Nation informed Cedar that Gitxaala territory has been continuously occupied and, therefore, as requested by Gitxaala Nation, Cedar has removed 'Traditional' from all references to 'Gitxaala Nation territory'.

**TABLE E2.1 PARKS, FEDERAL LANDS AND RESERVE LANDS IN PROXIMITY TO THE PROJECT**

<b>Parks and Federal Lands</b>
<p><b>Provincial Parks—Class A</b></p> <p>Dala-Kildala River Estuary Park, Foch - Gilttoeyes Park, Coste Rocks Park, Eagle Bay Park, Foch - Gilttoeyes Park, Gitnadoiks River Park, Nalbeelah Creek Wetlands Park, Kitimat River Park, Eagle Bay Park, Sue Channel Park, Weewanie Hot Springs Park, Lakelse Lake Wetlands Park, Lakelse Lake Park</p>
<p><b>Regional Parks</b></p> <p>Radley Park, Radley Park Campground, Big Spruce Park, Riverlodge Recreation Park, Coghlin Park View Point, B2 Park (x2), Clague Mountain Park, Hirsch Creek Park</p>
<p><b>Conservancies</b></p> <p>Banks Nii Luutiksm Conservancy, Lax Ka'gaas/Campania Conservancy, Lax Kwil Dziidz/Fin Conservancy, Monckton Nii Luutiksm Conservancy, K'distsausk/Turtle Point Conservancy, Ktisgaidz/Macdonald Bay Conservancy, Ksgaxl/Stephens Islands Conservancy, Stair Creek Conservancy, Stair Creek Conservancy, Ecstall Headwaters Conservancy, Crab Lake Conservancy, Khtada Lake Conservancy</p>
<p><b>Protected Areas</b></p> <p>Jesse Falls Protected Area, Foch-Gilttoeyes Protected Area</p>
<p><b>Indigenous Lands*</b></p> <p>Kitamaat 1*, Kitamaat 2*, Henderson's Ranch 11*, Walth 3*, Jugwee 5*, Bees 6*, Misgatlee 14*, Kitasa 7*, Kuaste 8*, Tosehka 12*, Tahla 4*, Gilttoeyes 13*, Ja We Yah's 99*, Kildala River 10*, Alastair 82, Alastair 80, Alastair 81, Tsemknawalqan 79, Lakelse 25*, lakwulgyiyaps 78, kulkayu 4, Kulkayu 4a, Lachkul-Jeets 6, Turtle Point 12, Kunhunoan 13, Keecha 11, Kooryet 12, Keswar 16, Keyarka 17</p>
<p><b>Fisheries and Oceans Canada Properties</b></p> <p>Kitimat Hatchery, Kildala River Field Camp, Kitimat Boathouse Moorage and Storage, Small Craft Harbour—Kitamaat Village, Hartley Bay, Triple Islands, 18 Coast Guard marine navigation aids and communication sites</p>
<p><b>Royal Canadian Mounted Police Properties</b></p> <p>Kitimat Detachment, North District</p>
<p><b>Transport Canada Properties</b></p> <p>Kitimat NDB/SUPU (air transportation), Terrace Radio Range Site (NDB)</p>
<p><b>Canada Post Properties</b></p> <p>Kitimat Office</p>
<p>NOTE:</p> <p>* Haisla Nation, Metlakatla First Nation, and Kitselas First Nation control and administer First Nation land as defined in subsection 2(1) of the <i>First Nations Land Management Act</i></p>

**TABLE E2.2 DISTANCE FROM THE PROJECT AREA AND SHIPPING ROUTE TO NEARBY COMMUNITIES**

Community or Reserve	Distance to Project Area (km)	Distance to Shipping Route (km)
Kitamaat Village	3.2	3.1
Kitimat	9.4	9.7
Hartley Bay	70.3	2.9
Terrace	60.2	60.5
Kitkatla	114.8	13
Port Edward	106.9	39.3
Prince Rupert	111.7	37.6
Metlakatla	120	30

## E2.2 Project Components

The Project consists of the following components and facilities:

- FLNG facility—A purpose-built, permanently-moored floating natural gas liquefaction facility with the capacity to process 400 million standard cubic feet per day ( $11.3 \times 10^6$  million cubic metres) of natural gas using established liquefaction technology into approximately 3 million tonnes per annum of LNG for export to international markets.
- Marine terminal—A dedicated terminal providing permanent mooring for the FLNG facility and power and gas pipeline connections to the FLNG facility as well as an optional small craft (tug) jetty
- Supporting infrastructure—Land-based supporting infrastructure, including warehouse(s), substation, security building, parking, access roads, and an approximate 8 km long, 287 kV transmission line between BC Hydro’s Minette Substation and the Project Area

Additionally, for the purposes of this assessment, the assessable project scope will also include the shipping of LNG between the marine terminal and the BC Coast Pilot boarding station location at or near Triple Islands.

Further details on each of the key components are provided in Table E2.3. The descriptions are based on the pre-FEED information and will be refined as project design advances. Any changes to the physical footprint of the Project or key project activities due to changes during front end engineering design (FEED) or detailed design work will be reflected in the relevant permit applications.

**TABLE E2.3 KEY COMPONENTS OF THE PROJECT**

Project Component	Description of Infrastructure / Activity
FLNG Facility	<p>The gas treatment, LNG production, LNG storage and related infrastructure will be located on the FLNG Modules will be installed above the main deck to treat and liquefy the natural gas</p> <p>Dimensions of the FLNG facility are expected to be approximately 320 m long by 65 m wide by 32 m deep</p> <p>Pipeline quality feed gas (the same gas that is used locally in homes and businesses for heating and cooking) will be transferred from the terminus of the supply pipeline to the FLNG facility via a flexible pipe transfer system where the gas will undergo processing</p> <p>Emergency flare—to be used during commissioning, maintenance, process upset, and/or emergency shutdown situations and will have pilot flames 24 hours a day</p> <p>Bilge system—primarily used to drain bilge water from the bilge wells, but will also be used for emergency situations such as flooding to ensure stability of the FLNG facility</p> <p>Ballast water system—used to add/remove ballast water to control hull bending, shear forces, trim, and heel while maintaining the stability of the FLNG facility</p> <p>Cofferdam heating system—maintains the structural steel of the FLNG facility at specified operation temperatures and prevents icing on the inner hull structure caused by the -162°C temperature of the LNG</p> <p>Desalinization system to produce freshwater for use on the FLNG facility</p> <p>Firewater distribution system (seawater)</p> <p>Emergency backup power generation system (including diesel backup power generators)</p> <p>Stormwater collection and treatment system</p> <p>Inert gas generation system (seawater cooled)</p> <p>Domestic wastewater collection, storage and pump-out system or treatment and discharge system</p> <p>High-voltage electrical and utilities interface connection between onshore infrastructure and the nearshore LNG production unit</p> <p>Control room for monitoring and controlling the FLNG facility, including an emergency shutdown system</p> <p>Staff facilities including a lunchroom, first aid room, and washrooms</p> <p>Storage vessels for products such as natural gas liquids removed from the inlet gas, refrigerants for the liquefaction trains, and diesel for the backup generators</p>
Marine Terminal	<p>Designed to permanently moor the FLNG facility and provide connections to land-based natural gas and power supplies</p> <p>LNG carriers visiting the Project will berth directly alongside the FLNG facility for side-by-side loading where loading arms will be used to transfer the LNG from the storage tanks in the hull of the FLNG facility to the carriers</p> <p>The preliminary front end engineering design for the FLNG facility mooring is an articulated system that directly connects the FLNG facility to shore using four struts that are anchored on pile-supported anchor blocks located in the nearshore and high intertidal area. This system is referred to as a strut-mooring system (the number of struts in this system will be finalized as design advances).</p> <p>Carriers are anticipated to visit the Project approximately 50 times annually (an average of approximately one LNG shipment every 7 to 10 days)</p> <p>The size of the LNG carriers is anticipated to be approximately 180,000 m<sup>3</sup> of cargo</p> <p>Berthing and de-berthing of the LNG carriers is expected to require assistance from tugboats</p>

**TABLE E2.3 KEY COMPONENTS OF THE PROJECT**

Project Component	Description of Infrastructure / Activity
Supporting Infrastructure	<p>Transmission line: Electricity will be supplied to the Project by a 287 kV power transmission line between BC Hydro's Minette Substation in Kitimat and the proposed substation within the Project Area. The proposed route is approximately 8 km long and will be located within a 300 m wide permitting corridor. The right-of-way is anticipated to be approximately 45 m wide.</p> <p>Support Buildings: The preliminary front end engineering design includes four buildings on the west side of the Bish Creek Forest Service Road. These include warehouses (including a flammable liquids storage shelter), electrical substation (including a stepdown transformer to reduce voltages from 287 kV to 132 kV or 138 kV), and security building to operate the gate to the marine terminal area. The electrical substation and flammable liquids storage shelter are expected to be fenced.</p> <p>Parking areas: Parking areas will be provided adjacent to the main buildings west of the Bish Creek Forest Service Road and in the vicinity of the FLNG facility east of the Bish Creek Forest Service Road.</p> <p>Access Roads: Access to the Project from Kitimat will occur via Haisla Boulevard, Alcan Way and the Bish Creek Forest Service Road. To gain access to the marine terminal area, staff and visitors will proceed to the security building and then cross the Bish Creek Forest Service Road and proceed down the access road to the FLNG facility and the optional small craft jetty.</p> <p>Water and wastewater: Water facilities will be required to support workers at the marine terminal. Based on the preliminary front end engineering designs, potable water will be supplied by the desalination system on the FLNG facility or imported.</p> <p>Utilities: Utilities will include power distribution lines between the substation and onsite facilities, stormwater conveyance systems, and an interconnection to the natural gas supply pipeline.</p> <p>Note, during the front end engineering design and detailed design stages of project planning, Cedar may elect to locate the administration building and warehouse(s) in the town centre or light industrial area of Kitimat. If this option is pursued, it is likely that Cedar would lease or purchase an existing building. For the purposes of the Application, onsite infrastructure is considered to be the base case for the Project as it has the largest physical footprint and therefore the greatest potential effects for consideration. Similarly, two route options have been identified for the transmission line: the first following a route along the top of the mountain ridge for its entire length; and the second following an existing powerline from Minette Substation to Rio Tinto's Aluminum Smelter for approximately 1.8 km before proceeding up the mountain slope and following the route along the top of the mountain ridge to the Project Area. The final route will be confirmed during front end engineering design. For the purpose of the assessment, the route following the ridge for its entirety is considered in this Application as it has the largest physical footprint and therefore the greatest potential effects for consideration. Following construction of the transmission line, Cedar may work with BC Hydro to transfer ownership of the line to them.</p>

## 1 **E2.3 Activities**

2 This section describes activities during the construction, operation and decommissioning phases. It also  
3 provides information regarding physical activities incidental to the Project as well as its gas supply.

### 4 **E2.3.1 Construction**

5 Construction activities will be limited to site preparation and construction of the marine terminal and  
6 supporting infrastructure detailed in Table E2.3. Construction will occur over approximately four years,  
7 commencing following receipt of necessary regulatory approvals and a final investment decision by  
8 Cedar. Work may occur up to seven days per week.

9 The FLNG facility will be built in a shipyard in Asia and transported to the Project Area for installation and  
10 commissioning. Construction of the FLNG facility is therefore not included in the assessment of  
11 construction impacts. Construction activities will be refined through the front end engineering design  
12 phase of the Project and are currently anticipated to include the list below.

- 13 • Marine terminal and supporting infrastructure in the Project Area:
  - 14 • Surveying and delineating construction boundaries, including avoidance areas such as sensitive
  - 15 habitats or heritage sites
  - 16 • Clearing (note that part of the Project Area has been previously cleared)
  - 17 • Grubbing and stripping topsoil from the construction footprint
  - 18 • Grading to meet the design elevations, which may include blasting where bedrock is present
  - 19 • Installation of ditching, erosion prevention, and sediment control measures
  - 20 • Construction of access roads between the Bish Creek Forest Service Road and project
  - 21 components
  - 22 • Construction of the support buildings including the flammable liquids storage building, warehouses,
  - 23 electrical substation, and security building
  - 24 • Installation of perimeter security fencing and onshore access/security gates
  - 25 • Construction of the strut mooring system foundation blocks, including installation of piles and pile caps
  - 26 • Potential construction of the small craft jetty for tug moorage, including installation of the piles,
  - 27 access ramp and floating dock structures
  - 28 • Preparation of temporary workspaces and subsequent rehabilitation of areas disturbed by
  - 29 construction and not required for the operation phase
  - 30 • Waste disposal and recycling in accordance with applicable legislation

- 1 • Transmission line:
  - 2 • Surveying and delineating the right-of-way and access roads, including avoidance areas such as
  - 3 sensitive habitats or heritage sites
  - 4 • Constructing temporary access roads between the Bish Creek Forest Service Road or Alcan Way
  - 5 and the right-of-way by upgrading existing resource roads and constructing new access (this will
  - 6 occur on both private property and Crown land)
  - 7 • Clearing the right-of-way (due to the depth of the Moore Creek and Anderson Creek ravines,
  - 8 portions of the right-of-way at these spans do not need to be cleared)
  - 9 • Grubbing and grading of transmission tower foundation areas
  - 10 • Installing the foundations and towers including piles, rock anchors and guy wires where appropriate
  - 11 (helicopters will be needed for some of this work)
  - 12 • Stringing the conductors using ground equipment and/or helicopters
  - 13 • Completing connections to the Minette Substation and the Project's substation
- 14 • FLNG facility:
  - 15 • Marine transportation of the FLNG facility from the shipyard in Asia to Kitimat
  - 16 • Potential temporary mooring of the FLNG facility
  - 17 • Permanent mooring of the FLNG facility to the marine terminal
  - 18 • Connection of utilities (e.g., electrical, controls, gas, water) to the FLNG facility

19 Construction materials will be transported to the Project Area using existing land and marine  
20 transportation routes. The method of transporting materials to and from the Project Area will be dictated  
21 by practicality and is anticipated to employ a combination of marine and vehicle transportation modes.  
22 During construction, road access will be the primary transport means for delivering material, equipment,  
23 and personnel to the Project Area. It is anticipated that the number of movements by road could range  
24 between 70 to 310 vehicle trips per day. Marine access using existing shipping routes will be the primary  
25 transport means for major project components (e.g., FLNG facility, struts). It is anticipated that during  
26 peak construction the number of barge movements will be approximately two per week.

27 Laydown areas and temporary workspace may be required to support project construction. Borrow pits  
28 may be required to provide fill for the facility site. The configuration of these areas will be established  
29 during the development of front end engineering design.

### 30 **E2.3.2 Operation**

31 The operation phase will include operation of project components described in Table E2.3 to produce,  
32 store, and ship LNG to international markets. Project-related activities during the operation phase are  
33 expected to include the following:

- 34 • Startup and commissioning of the FLNG facility
- 35 • Receipt of natural gas from the feed gas pipeline
- 36 • Treatment and dehydration of the inlet natural gas

- 1 • Incineration of acid gas (carbon dioxide and hydrogen sulphide) that is removed from the gas
- 2 • Storage of natural gas liquids removed from the gas
- 3 • Combustion of the natural gas liquids for process heat
- 4 • Liquefaction of natural gas and storage of the LNG
- 5 • Mooring, loading and transit of LNG carriers, including the assistance of tugs
- 6 • Water collection, treatment and use
- 7 • Wastewater, stormwater, and process water treatment and disposal
- 8 • Waste disposal and recycling in accordance with applicable legislation
- 9 • Import of liquid refrigerant gases (by land or sea)
- 10 • Planned and unplanned maintenance

11 The natural gas Export Licence (GL-327) allows the Project to operate for 25 years, and Cedar may apply  
12 to extend its natural gas Export Licence to a 40-year term. As such, this Application has used a 40-year  
13 lifespan for evaluating potential effects.

### 14 **E2.3.3 LNG Shipping**

15 Shipping activities during operation will consist of an LNG carrier visiting the Project approximately every  
16 7 to 10 days. When transiting to and from the Project, LNG carriers are expected to follow established  
17 shipping routes (Figure E3). LNG carriers would enter Canadian waters through Dixon Entrance north of  
18 Haida Gwaii, proceed eastward and then southward through Hecate Strait to Browning Entrance at the  
19 northern extent of Principe Channel. Vessels will follow a route south through Principe Channel before  
20 navigating through Nepean Sound, Otter Channel, Squally Channel, Lewis Passage, Wright Sound, and  
21 Douglas Channel. The transit time between Triple Islands and Kitimat is expected to be between 11 and  
22 18 hours.

23 As required by the *Pilotage Act*, one or more BC Coast Pilots will board at the designated Pilot Boarding  
24 Station near Triple Islands (54°19.00' N; 130°53.10' W), approximately 35 km west of the Port of Prince  
25 Rupert. The Pilot will guide the vessel to and from the Project's marine terminal. It is also expected that  
26 tugs will accompany LNG carriers. The safety requirements for this transit will be determined by the  
27 Pacific Pilotage Authority and the BC Coast Pilots through a navigational risk assessment process before  
28 arrival of the first LNG carrier. Additional safety measures (e.g., tug tethering, no-passing areas) will be  
29 implemented as directed by the BC Coast Pilots, Transport Canada, and the requirements of the North  
30 Coast Waterway Management Guideline (if implemented).

### 31 **E2.3.4 Decommissioning**

32 Decommissioning is anticipated to take 12 months, following the end of operation. The scope of the  
33 decommissioning phase is expected to include removal of the FLNG facility for either re-use elsewhere or  
34 for full decommissioning and scrapping or recycling at a dedicated facility. Project infrastructure and  
35 facilities will be removed, vacated, and the Project Area will be restored in accordance with Cedar's lease  
36 agreement for District Lot 99 and the adjacent water lot (Lot A District Lot 5469), Haisla Nation's  
37 development plans, and applicable regulatory requirements.

### 1 **E2.3.5 Gas Supply**

2 Cedar intends to receive feed gas from Coastal GasLink at an interface point near the LNG Canada  
3 Export Terminal in Kitimat. Natural gas will be delivered to the Project Area by a 20-inch diameter,  
4 approximately 8.5 km long pipeline. The pipeline is not a component of the Project for the purposes of this  
5 environmental assessment and will be subject to approval under the *Oil and Gas Activities Act*.

## 6 **E2.4 Emissions, Discharges and Wastes**

7 During operation of the Project there will be liquid effluents, air emissions and solid wastes generated as  
8 described below.

9 **Liquid Effluents:** There are no effluents directly generated by the liquefaction of natural gas. All effluents  
10 are incidental to the production of LNG and Cedar will obtain permits for any liquid discharges under the  
11 *Environmental Management Act*. The major discharges from the Project during operation will include:

- 12 • Discharges from the reverse osmosis freshwater generators
- 13 • Ballast water
- 14 • A water curtain used during the transfer of LNG from the tanks in the FLNG to the carrier
- 15 • Seawater used to cool the inert gas generation system
- 16 • Stormwater (rainwater and snowmelt) from the FLNG facility
- 17 • Domestic wastewater may also be treated and discharged. Any domestic wastewater would be treated  
18 to meet the Wastewater Systems Effluent Regulations under the *Fisheries Act* and the applicable  
19 regulations under provincial legislation.

20 **Air Emissions:** Cedar will acquire electricity from BC Hydro to power the liquefaction process and most  
21 ancillary power demands; therefore, emissions from the Project will be low. Natural gas liquids separated  
22 from the inlet gas will be separated and combusted to provide the process heat needed for the gas  
23 treatment process. Cedar will obtain a permit for all air emissions produced during operation under the  
24 *Environmental Management Act*, which include criteria air contaminants including, sulphur dioxide, oxides  
25 of nitrogen, respirable particulate matter, carbon monoxide, and volatile organic compounds generated by  
26 the combustion of fuel and waste gases. Major emission sources are the glycol reboiler, thermal oxidizer,  
27 flare pilot and purge, and non-routine flaring.

28 **Solid Wastes:** The Project will generate solid wastes during operation. These are expected to include:

- 29 • Non-hazardous waste from the FLNG facility, marine terminal, and administration (e.g., paper,  
30 cardboard and plastic packaging, wood, scrap metal)
- 31 • Non-hazardous solid waste from the LNG carriers
- 32 • Domestic waste (e.g., food wastes and municipal-type solid waste from site personnel and crews from  
33 LNG carriers)
- 34 • Hazardous waste including:
  - 35 • Medical waste
  - 36 • Mercury removed during the natural gas treatment process (note this results in a solid waste)

- 1 • Waste catalyst and adsorbents
- 2 • Miscellaneous wastes such as used cartridge filters and batteries, etc.

3 Wherever possible, non-hazardous solid wastes will be recycled, reused, or otherwise disposed of  
4 properly at a local landfill or other approved waste disposal facility in compliance with applicable legal  
5 requirements. Planning for disposal of solid waste will include discussions with the regional landfill owner.  
6 Hazardous solid wastes will be collected and transported offsite to a licensed hazardous waste facility  
7 and will be disposed of appropriately to meet the requirements of the *Environmental Management Act*.

## 8 **E2.5 Cedar's Approach to Environmental Management**

9 Cedar designed the Project with guidance and direction from the Haisla Nation, whose business  
10 philosophy is to advance commercially successful initiatives and promote environmentally responsible  
11 and sustainable development, while avoiding or reducing adverse effects on land and water. The Project  
12 was designed using an innovative design philosophy that fits the facility into the local environment and  
13 avoids or reduces adverse effects on the environment and local community.

14 By using an innovative design philosophy that fits the Project into the local environment, Cedar will  
15 minimize the impact to the local community and environment. Cedar's basis for the design incorporates  
16 the following measures that reduce project-related effects:

- 17 • FLNG facility: The gas treatment, LNG production, LNG storage and related infrastructure will be  
18 located on a purpose-built barge that is permanently moored to the marine terminal. Avoiding land-  
19 based production and storage reduces the land requirements for the Project, thereby avoiding impacts  
20 to terrestrial and freshwater habitats. As the FLNG facility will be constructed in a shipyard in Asia, it  
21 also avoids many adverse socio-economic effects from a large temporary workforce in a small  
22 community such as Kitimat.
- 23 • Electrification: Natural gas pre-treatment and liquefaction will be electric powered, which will reduce  
24 both air and greenhouse gas (GHG) emissions.
- 25 • Air Cooling: Natural gas pre-treatment and liquefaction processes will be air cooled. Air cooling  
26 eliminates the Project's need for a large freshwater supply (as would be the case with cooling towers  
27 and hybrid systems) or potential impacts to the marine environment (as would be the case with  
28 seawater cooling).

29 The Project features a significantly shorter shipping distance to Asia-Pacific markets compared with  
30 competitors on the American Gulf Coast, and will be powered with electricity from BC Hydro, making the  
31 Project one of the lowest carbon intensity LNG facilities in the world.

32 The Project's planning also focused on avoidance of sensitive environmental features (e.g., wildlife  
33 habitat features, wetlands, and watercourses) through routing of the transmission line corridor and siting  
34 of the marine terminal. The marine terminal location was selected by Cedar due to its reduced number of  
35 environmental concerns (e.g., avoidance of a culturally important watercourse, sensitive habitats) and  
36 preferential use of land previously used for log sorting.

37 Mitigation and best management practices were selected to avoid or reduce selected potential effects.  
38 The main mitigation management tool for the Project is the development and implementation of a project-  
39 specific Construction Environmental Management Plan (CEMP). The CEMP will incorporate a series of  
40 regulatory guidelines, industry standards, best management practices (e.g., spill response, water quality



1 monitoring,) and mitigation plans (e.g., emergency response, noise management, traffic management) to  
2 limit project-related effects on selected valued components during all phases of the Project. The CEMP  
3 will also identify project scheduling requirements to avoid or reduce interactions with selected valued  
4 components (e.g., sensitive life stages of protected wildlife species). As part of permitting, Cedar will also  
5 obtain an LNG facility permit that will require demonstrating the Project's adherence to legislation, design  
6 standards, and guidelines. Any additional mitigation measures included as conditions of permits and  
7 authorization will also be included as requirements in the CEMP as well as contractual requirements for  
8 contractors, as applicable.

## 9 E3.0 Alternative Means of Carrying Out the Project

10 The concept planning and preliminary front end engineering design for the Project were undertaken from  
11 June 2019 to May 2021. As a result, several design decisions were made as a result of Cedar's  
12 innovative design philosophy. In order to quantify the potential benefits of Cedar's design decisions, the  
13 decisions were evaluated against other current LNG facility configurations. As detailed in Table E3.1,  
14 alternatives were considered for the location of the gas treatment and liquefaction facilities and LNG  
15 storage tanks (land-based or floating), cooling options for the liquefaction process (water-based or air  
16 cooled), marine terminal and jetty design (siting and design), and power supply options (100%  
17 electrification or gas-fired self-generation).

**TABLE E3.1 ALTERNATIVES CONSIDERED**

Alternative	Options	Technical Feasibility	Costs	Environmental Risk	Preferred Option
Location of gas treatment and liquefaction facilities and LNG storage	Onshore LNG facilities	<p>Canadian design standards available</p> <p>Proven, with 37 operating liquefaction (export) facilities worldwide</p> <p>Would require blasting to level an area large enough to construct the LNG storage tank</p> <p>Critical infrastructure would need to be located above the tsunami run-up zone, which would result in larger excavation volumes to meet grading requirements</p>	<p>Higher than an FLNG facility due to higher site preparation, LNG tank, and labour costs</p> <p>An onshore LNG facility has the potential for exposure to adverse geotechnical conditions, including rock integrity and slide risk, that could increase the capital cost of this type of facility</p>	<p>Slightly higher than a FLNG facility as the terrestrial footprint is larger; therefore, more terrestrial environmental factors will be disturbed</p> <p>Higher potential for impacts to archaeological sites and heritage resources</p>	No
	FLNG facilities	<p>Canadian design standards available</p> <p>Proven, but relatively new with four operating facilities worldwide</p> <p>Construction of the FLNG facility in a controlled environment reduces uncertainties and construction delays due to weather conditions or craft labour productivity and allows for enhanced quality control measures.</p>	<p>Lower than land-based due to use of offshore shipyards for construction and the integrated LNG tankage</p> <p>Same level of operation staffing requirements between options</p> <p>Decommissioning is simpler and has the ability to re-use/re-sell the FLNG facility elsewhere once project operation has ceased</p>	<p>Reduced terrestrial footprint, as a majority of the Project will not be located on land</p>	Yes - Based on the technical feasibility, a reduced capital cost, ability to reduce impacts to land-based valued components and socio-economic effects, and increased ability to control access to the Project
Alternative Cooling Options for the Liquefaction Process	Freshwater Cooling	<p>Proven technically used in industrial facilities in Canada</p> <p>Up to 35% more energy efficient than air cooling</p> <p>Requires large volumes of freshwater, which is not available in the immediate Project Area</p> <p>Would require additional project infrastructure (i.e., dedicated water supply pipeline)</p> <p>Cooling towers require more space than what is available on the FLNG facility</p>	<p>Highest capital cost of all three options due to need for water supply pipeline and cooling towers</p> <p>Has higher operation costs</p>	<p>Would require withdrawals from the Kitimat River and a new large-diameter water supply pipeline to the Project Area. This would increase the Project's adverse effects to vegetation, wildlife, freshwater fish, and archaeological/ heritage resources</p>	No

**TABLE E3.1 ALTERNATIVES CONSIDERED**

Alternative	Options	Technical Feasibility	Costs	Environmental Risk	Preferred Option
Alternative Cooling Options for the Liquefaction Process (cont'd)	Seawater Cooling	<p>Proven technology that is broadly used in offshore oil and gas production</p> <p>Provides more long-term stable operating conditions due to the consistency of the sea temperature</p> <p>Direct seawater cooling is compact, requiring limited equipment (in comparison with indirect systems) and highly energy-efficient</p> <p>Closed loop seawater cooling systems have lower efficiencies and therefore high surface requirements for contact with seawater</p>	<p>Lowest capital cost of the three options</p> <p>Direct seawater cooling has a lower capital cost than indirect seawater cooling</p>	<p>Marine effects not considered acceptable to Haisla Nation</p> <p>Potential for entrainment of fish and other marine life in the pump system</p> <p>Requires the addition of anti-biofouling agents, which has the potential to affect ambient water quality in the vicinity of the outfall, potentially affecting the health and behaviour of fish and other marine life</p> <p>Will increase surrounding water temperatures, which could have positive and adverse effects for fish and marine animals</p>	No
	Air Cooling	<p>No additional footprint</p> <p>The capacity of air to adsorb heat is substantially lower than water, which requires the need for a large number of fans and a relatively large surface area for the cooling system</p>	<p>Lower than freshwater as no pipeline is required</p> <p>The increased fans result in increased energy demand</p>	<p>The large number of cooling fans will result in higher operation noise levels</p> <p>No adverse effects to marine or terrestrial ecosystems</p>	Yes – Best alignment with Haisla Nation requirements and Cedar design philosophy
Alternative Marine Terminal and Jetty Designs	Location: Northern portion of the property	Gentler topography will provide a lower degree of difficulty for construction, improved access for vehicles and personnel, and more space for siting key infrastructure	Linked directly to constructability	<p>Previously disturbed through use as a log sort</p> <p>Requires realignment of two small unnamed non-fish-bearing streams</p>	Yes – Topography provides lower degree of difficulty for construction and access



**TABLE E3.1 ALTERNATIVES CONSIDERED**

Alternative	Options	Technical Feasibility	Costs	Environmental Risk	Preferred Option
Alternative Marine Terminal and Jetty Designs (cont'd)	Location: Southern portion of the property	Steeper topography increasing construction difficulty	Linked directly to constructability	Located in close proximity to an unnamed non-fish-bearing stream that provides tailed frog habitat  There is a bald eagle nest located on the southern half of District Lot 99; this nest was confirmed active in 2021	No
	Design: Traditional Pile-supported (conventional jetty based mooring system and a quay wall)	Steep topography and bathymetry in the Project Area do not suit conventional jetty designs	Not considered technically feasible	Require in-water work, including pile driving and dredging that would destroy marine habitat and generate underwater noise  Larger marine footprint has more potential to disturb wet archaeology sites	No
	Design: Floating system	Mooring lines would require constant adjustment depending on tide and loading condition of the FLNG facility  More complex LNG loading during adverse weather conditions	Higher capital cost	Smaller in-water footprint than conventional jetty designs  More foundations (i.e., larger footprint) than the strut mooring system	No



**TABLE E3.1 ALTERNATIVES CONSIDERED**

Alternative	Options	Technical Feasibility	Costs	Environmental Risk	Preferred Option
Alternative Marine Terminal and Jetty Designs (cont'd)	Design: Strut-based System	<p>Design suited to the steep bathymetry</p> <p>Passive system that requires no direct intervention during operation</p> <p>Provides direct access to the FLNG facility by personnel and equipment</p> <p>Has not previously been used for an FLNG facility</p>	Lower capital costs than other options considered	<p>Avoids the need for in-water work</p> <p>Smallest effect on marine resources</p>	Yes – Best alignment with Cedar design philosophy and design best suited to the topography of the Project Area
Alternative Power Supply Options	Self-generation	<p>Most LNG facilities currently in operation globally rely on self-generation of power (i.e., using a portion of the feed gas supplied to the facility to produce electricity via combustion)</p>	Increased capital cost if a power facility were constructed	<p>Additional air emissions, including sulphur dioxide and nitrogen oxides</p> <p>Additional air emissions may result in acidification of terrestrial and freshwater habitats and eutrophication of freshwater habitats</p>	No
	Grid Electricity	<p>Determined to be feasible during pre-FEED studies</p> <p>Has not yet been used for an FLNG facility</p> <p>Electricity supply is subject to potential disruptions due to outages on the BC Hydro system</p>	<p>Capital cost associated with constructing an 8-km long transmission line</p> <p>Purchasing the electricity from BC Hydro yields higher operation costs than using natural gas</p>	The transmission line corridor requires a larger terrestrial footprint, which results in more potential for disturbance of vegetation communities, wildlife habitat, and archaeological sites and heritage resources	Yes – Best alignment with Haisla Nation requirements and Cedar design philosophy

## 1 E4.0 Engagement Activities

2 Cedar has developed a consultation program to engage Indigenous groups, communities and interested  
3 stakeholders and gather meaningful input for the design, construction and operation of the Project. This  
4 section describes engagement activities to date with Indigenous nations, the public and government  
5 agencies. Additional information regarding Cedar's engagement is available in the Indigenous, public and  
6 Agency consultation plans as well as the associated reports.

### 7 E4.1 Indigenous Engagement Activities to Date

8 The Haisla Nation Council, on behalf of Cedar, began initial engagements with the Schedule B  
9 Indigenous nations specified in the section 11 Order in the summer of 2019. Introductory letters were  
10 sent, and meetings were held with each Schedule B Nation. In December 2019, Cedar kicked-off  
11 technical discussions and meetings regarding establishment of Communication and Cooperation  
12 Agreements, which include capacity funding. In March 2020, due to the COVID-19 pandemic, Cedar  
13 began scheduling engagement activities as conference calls or web meetings instead of holding in-  
14 person meetings. Cedar's engagement program is designed to meet the requirements of the British  
15 Columbia *Environmental Assessment Act* and *Impact Assessment Act* as described in the section 11  
16 Order and is intended to gather meaningful input for the design, construction and operation of the Project.

17 Through Cedar's engagement activities, potentially affected Indigenous nations have been requested to  
18 provide feedback with respect to potential impacts of the Project on their interests. Indigenous nations  
19 have also been provided the opportunity to validate the information sources used to compile the baseline  
20 data as well as provided with preliminary drafts of the pre-Application phase documents. The outcomes of  
21 Cedar's engagement with Indigenous nations are incorporated throughout the assessment. Through the  
22 signing of Communication and Cooperation Agreements, potentially affected Indigenous nations were  
23 also offered the opportunity to prepare project-specific studies (e.g., Traditional Use and Occupancy  
24 Studies, Indigenous Land Use Studies, socio-economic studies) and other reports that the Nations have  
25 deemed important for consideration in the assessment of effects on Indigenous interests.

26 Cedar will continue to engage potentially affected Indigenous nations. Information provided by the  
27 Indigenous nations following submission of this Application will be reviewed in the context of the  
28 assessment, to verify findings of the assessment and to incorporate any changes into project planning, as  
29 appropriate.

30 Information regarding engagement with Indigenous nations is provided in the sub-sections below.  
31 Additional information is available in the Indigenous Consultation Plan and associated Indigenous  
32 Consultation Reports.

## 1 **E4.1.1 Haisla Nation**

2 The Project is a key element of the Haisla Nation's economic and social development strategy and will  
3 further advance reconciliation by allowing the Haisla Nation to—for the first time ever—directly own and  
4 participate in a major industrial development in its territory. The Project is also anticipated to be the first  
5 Indigenous-majority owned export facility in Canada, which will create jobs, contracting and other  
6 economic opportunities for the Haisla Nation, the local community, neighbouring Indigenous nations and  
7 northwest British Columbia. In addition, income generated by the Project will be invested in the Haisla  
8 community.

9 In addition to the working group established for this assessment and Haisla Nation's ownership role on  
10 the Project, Cedar engaged with the Haisla Nation to confirm that project-related effects are assessed  
11 and evaluated in a manner similar to other projects within Haisla Nation territory. Haisla Nation and Cedar  
12 have established four committees to review different aspects of the Project:

- 13 • Technical Committee—This committee reviews regulatory reports, permit applications, and  
14 environmental assessment documents. Members of this Technical Committee also participate in the  
15 EAO's working group
- 16 • Employment and Training—This committee provides input on employment and training initiatives and  
17 contracting opportunities for the Project
- 18 • Language and Culture—This committee works to support the revitalization of Haisla Nation history,  
19 language, place names, and cultural practices by providing content to programs, workshops and  
20 presentation materials
- 21 • Health and Community Wellness—This committee provides input to Cedar regarding the potential  
22 effects of the Project on health and wellness as well as measures that can be taken to reduce those  
23 effects
- 24 • Cedar will remain available through Application review should Haisla Nation bring forward additional  
25 information related to this assessment. Additional information regarding engagement between Cedar  
26 and Haisla Nation is provided in the Indigenous Consultation Report.

### 27 **E4.1.1.1 KEY ISSUES AND CONCERNS**

28 Early in project development, Haisla Nation and the Haisla Nation Technical Committee set several  
29 environmental criteria for Cedar for engineering design and regulatory planning, specifically:

- 30 • Use of air cooling is preferred over water cooling for liquefaction
- 31 • Use of electricity is preferred over self-generation
- 32 • Project design should seek to avoid effects to terrestrial and marine habitats whenever practicable
- 33 • Use of existing studies should be leveraged to the extent possible



1 Based on discussions with Haisla Nation to-date and review of the project activities, Cedar understands  
2 that key areas of concern for Haisla Nation are as follows:

- 3 • Potential effects on the biophysical environment, with a particular focus on air quality, noise, and  
4 marine resources
- 5 • Potential effects on social and economic conditions, with a particular focus on employment, land and  
6 resource use, and marine use

### 7 **E4.1.2 Gitga'at First Nation**

8 Cedar has been engaging with Gitga'at First Nation regarding the Project since summer 2019.  
9 Engagement began with an introductory letter and meeting with Haisla Nation leadership (Haisla Nation  
10 wholly owned the Project at that time). Technical discussions between Cedar and Gitga'at First Nation  
11 began in early 2020. The primary purpose of these technical discussions is to understand potential  
12 project-related effects to Gitga'at First Nation's interests as well as identify measures to avoid or mitigate  
13 those effects.

14 Cedar's approach to engagement includes the following activities:

- 15 • Sign a Communication and Cooperation Agreement that provides funding for Gitga'at First Nation to  
16 undertake studies to understand project-related effects to their interests and to participate in the  
17 environmental assessment process
- 18 • Provide preliminary drafts of environmental assessment documents and technical data reports for  
19 review in advance of submission to the EAO
- 20 • Meet with Gitga'at First Nation representatives regularly to provide updates regarding the Project and  
21 the environmental assessment process
- 22 • Provide updates regarding project design

23 In response to comments from Gitga'at First Nation, air quality and noise modelling was conducted along  
24 the marine shipping route with a focus on Hartley Bay. Outside the environmental assessment process,  
25 Cedar is supporting Gitga'at First Nation in undertaking work related to the cumulative effects of shipping  
26 in their traditional territory.

27 Cedar undertook to collect project-related feedback and information from Gitga'at First Nation for  
28 incorporation into the assessment. Mechanisms to collect this information include engagement with  
29 Gitga'at First Nation and opportunities to validate the list of information sources, as well as to validate  
30 data compiled through secondary, publicly available sources, and drafts of this section of the Application.

31 Gitga'at First Nation also prepared two project specific reports that served as the primary sources of  
32 information for this assessment: Gitga'at First Nation Traditional Use and Occupancy Study for the Cedar  
33 LNG Project; and the Gitga'at First Nation Community Well-being Risk Report for the Cedar LNG Project.  
34 The Gitga'at First Nation Community Well-being Risk Report for the Cedar LNG Project outlines 15  
35 Gitga'at-specific health valued components that have been incorporated to the assessment of effects on  
36 Gitga'at First Nation interests. Cedar will remain available to discuss potential effects through Application  
37 review should Gitga'at First Nation bring forward additional information related to this assessment.

38 Additional information regarding engagement between Cedar and Gitga'at First Nation is provided in the  
39 Indigenous Consultation Report.

1 **E4.1.2.1 KEY ISSUES AND CONCERNS**

2 Based on feedback shared by Gitga'at First Nation to-date and review of the project activities, Cedar  
3 understands that key areas of concern for Gitga'at First Nation are as follows:

- 4 • Impacts of proposed LNG carriers and associated marine traffic, including accidents and malfunctions
- 5 • Air emissions and effects to air quality
- 6 • Greenhouse gas emissions
- 7 • Impacts on Gitga'at lands and resources
- 8 • Impacts on Gitga'at traditional uses and value
- 9 • Impacts on Gitga'at community health and wellness
- 10 • Economic impacts on Gitga'at, including tourism and ecosystem services
- 11 • Impacts from increased commercial, industrial, and recreational use in Gitga'at traditional territory
- 12 • Cumulative effects of the Project on environmental, social, economic, health and cultural components

13 **E4.1.3 Gitxaala Nation**

14 Cedar has been engaging with Gitxaala Nation regarding the Project since summer 2019. Engagement  
15 began with an introductory letter and meeting with Haisla Nation leadership (Haisla Nation wholly owned  
16 the Project at that time). Technical discussions between Cedar and Gitxaala Nation began in 2020. The  
17 primary purpose of these technical discussions is to understand potential project-related effects to  
18 Gitxaala Nation's interests as well as identify measures to avoid or mitigate those effects.

19 Cedar's approach to engagement includes the following activities:

- 20 • Sign a Communication and Cooperation Agreement that provides funding for Gitxaala Nation to  
21 undertake studies to understand project-related effects to their interests and to participate in the  
22 environmental assessment process
- 23 • Provide preliminary drafts of environmental assessment documents and technical data reports for  
24 review in advance of submission to the EAO
- 25 • Meet with Gitxaala Nation representatives regularly to provide updates regarding the Project and the  
26 environmental assessment process
- 27 • Provide updates regarding project design

28 In response to comments from Gitxaala Nation, air quality and noise modelling was conducted along the  
29 marine shipping route. In addition, this assessment considers the potential noise-related effects to  
30 harvesters associated with LNG carriers (i.e., the potential effects to a sense of peace).

31 Outside the environmental assessment process, Cedar is supporting Gitxaala Nation in undertaking a risk  
32 and impact assessment. The Gitxaala Nation risk and impact assessment is developed under the  
33 direction of both hereditary and elected leadership and is designed to engage with Gitxaala community  
34 members, provide information on the Nation's specific values with respect to the Project, and present the  
35 conclusions to Gitxaala leadership to assist with their decision regarding the Nation's support for the  
36 Project.

1 Cedar undertook to collect project-related feedback and information from Gitxaala Nation for inclusion in  
2 the assessment. Mechanisms to collect this information included engagement with Gitxaala Nation and  
3 opportunities to validate the list of information sources, as well as to validate data compiled through  
4 secondary, publicly available sources, and drafts of this section of the Application. Gitxaala Nation also  
5 prepared a project-specific draft Gitxaala Nation Use Study report that served as the primary source of  
6 information for incorporation into the assessment; however, information contained in the draft Gitxaala  
7 Nation Use Study report is considered preliminary until the Nation is able to undertake the Gitxaala  
8 Community Verification Process and is not provided in attachment to the Application. The draft Gitxaala  
9 Nation Use Study and the Gitxaala First Nation Valued Component Selection Document: Cedar LNG  
10 Liquefaction and Export Terminal, outlines four Gitxaala-specific valued components (Governance,  
11 Sacred Places, Harvesting, and Cultural Identity) that guided the assessment of effects on Gitxaala  
12 Nation interests. Gitxaala Nation is currently preparing the Gitxaala Nation Socio-economic Information  
13 Report for the Project which, once available, will be reviewed and considered in future project planning.  
14 Cedar will remain available to discuss potential effects through Application review should Gitxaala Nation  
15 bring forward additional information related to this assessment.

16 Additional information regarding engagement between Cedar and Gitxaala Nation is provided in the  
17 Indigenous Consultation Report.

#### 18 **E4.1.3.1 KEY ISSUES AND CONCERNS**

19 Based on feedback shared by Gitxaala Nation to-date and review of the project activities, Cedar  
20 understands that key areas of concern for Gitxaala Nation are as follows:

- 21 • Potential effects on the biophysical and human environment, with a particular focus on human health,  
22 harvesting, governance, and cultural identity
- 23 • Potential effects on social and economic conditions, with a particular focus on community health and  
24 safety, governance, and cultural identity
- 25 • Potential effects on sacred and cultural places, with a particular focus on heritage, land and resource  
26 use, and human health
- 27 • Potential effects of increased marine vessel traffic along the marine shipping route, including potential  
28 accidents and malfunctions (i.e., spills, vessel groundings, collisions) and interference with Gitxaala  
29 Nation travel and harvesting vessels, and potential safety issues related to changes in travel and  
30 harvest route access, ship wake, and sensory disturbance with a particular focus on human health,  
31 harvesting, governance, cultural identity, heritage, and land and resource use.
- 32 • Potential effects from accidents and malfunctions related to shipping condensate<sup>2</sup> (by sea or rail), with  
33 a particular focus on human health, harvesting, heritage, land and resource use, governance, and  
34 cultural identity

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<sup>2</sup> In response to concerns raised by Indigenous nations the Project will not involve condensate shipping by sea or by rail. Therefore, potential effects resulting from condensate shipping are not carried through the assessment of effects on Gitxaala interests.

#### **E4.1.4 Kitselas First Nation**

Cedar has been engaging with Kitselas First Nation regarding the Project since summer 2019. Engagement began with an introductory letter and meeting with Haisla Nation leadership (Haisla Nation wholly owned the Project at that time). Technical discussions between Cedar and Kitselas First Nation began in early 2020. The primary purpose of these technical discussions is to understand potential project-related effects to Kitselas First Nation's interests as well as identify measures to avoid or mitigate those effects.

Cedar's approach to engagement includes the following activities:

- Sign a Communication and Cooperation Agreement that provides funding for Kitselas First Nation to undertake studies to understand project-related effects to their interests and to participate in the environmental assessment process
- Provide preliminary drafts of environmental assessment documents and technical data reports for review in advance of submission to the EAO
- Meet with Kitselas First Nation representatives regularly to provide updates regarding the Project and the environmental assessment process
- Provide updates regarding project design

In response to comments from Kitselas First Nation, air quality and noise modelling was conducted along the marine shipping route. In addition, the change in core housing need is considered in the Application in addition to housing supply and demand.

Cedar undertook to collect project-related feedback and information from Kitselas First Nation for incorporation into the assessment. Mechanisms to collect this information include engagement with Kitselas First Nation and opportunities to validate the list of information sources, as well as to validate data compiled through secondary, publicly available sources, and drafts of this section of the Application. Draft confidential documents shared with Cedar by Kitselas First Nation were also used to inform a shared understanding around Kitselas values; however, at the request of Kitselas First Nation, this information is not directly cited in the Application. Cedar will remain available to discuss potential effects through Application review should Kitselas First Nation bring forward additional information related to this assessment.

Additional information regarding engagement between Cedar and Kitselas First Nation is provided in the Indigenous Consultation Report.

##### **E4.1.4.1 KEY ISSUES AND CONCERNS**

Based on feedback shared by Kitselas First Nation to-date and review of the project activities, Cedar understands that key areas of concern for Kitselas First Nation are as follows:

- Potential effects to social determinants of health, including community well-being, economic disparity, housing, social cohesion, and intergenerational knowledge transmission
- Potential effects on social and economic conditions, with a particular focus on community health and safety



- 1 • Potential effects to air quality from both from within the Project Area as well as from the LNG carriers  
2 and associated tugs
- 3 • Potential effects to marine species (e.g., marine mammals, marine birds)
- 4 • Potential effects on navigation and access to marine harvesting areas due to increased vessel traffic,  
5 with a particular focus on community health, safety, consumption, and harvest
- 6 • Cumulative effects on all the above

#### 7 **E4.1.5 Kitsumkalum First Nation**

8 Cedar has been engaging with Kitsumkalum First Nation regarding the Project since summer 2019.  
9 Engagement began with an introductory letter and meeting with Haisla Nation leadership (Haisla Nation  
10 wholly owned the Project at that time). Technical discussions between Cedar and Kitsumkalum First  
11 Nation began in 2020. The primary purpose of these technical discussions is to understand potential  
12 project-related effects to Kitsumkalum First Nation's interests as well as identify measures to avoid or  
13 mitigate those effects.

14 Cedar's approach to engagement includes the following activities:

- 15 • Sign a Communication and Cooperation Agreement that provides funding for Kitsumkalum First Nation  
16 to undertake studies to understand project-related effects to their interests and to participate in the  
17 environmental assessment process
- 18 • Provide preliminary drafts of environmental assessment documents and technical data reports for  
19 review in advance of submission to the EAO
- 20 • Meet with Kitsumkalum First Nation representatives regularly to provide updates regarding the Project  
21 and the environmental assessment process
- 22 • Provide updates regarding project design

23 In response to comments from Kitsumkalum First Nation, noise modelling was conducted along the  
24 marine shipping route.

25 Cedar undertook to collect project-related feedback and information from Kitsumkalum First Nation for  
26 incorporation into the assessment. Mechanisms to collect this information include engagement with  
27 Kitsumkalum First Nation and opportunities to validate the list of information sources, as well as to  
28 validate data compiled through secondary, publicly available sources, and drafts of this section of the  
29 Application.

30 Kitsumkalum First Nation is currently preparing an Indigenous Land Use Study for the Project which, once  
31 available, will be reviewed and considered in future project planning. Through engagement with Cedar,  
32 Kitsumkalum First Nation shared that there are additional areas accessed for resource use outside of the  
33 consultative boundaries of their traditional territory that will be identified and reported upon in their  
34 forthcoming Indigenous Land Use Study. Cedar will remain available to discuss potential effects through  
35 Application review should Kitsumkalum First Nation bring forward additional information related to this  
36 assessment.

37 Additional information regarding engagement between Cedar and Kitsumkalum First Nation is provided in  
38 the Indigenous Consultation Report.

1 **E4.1.5.1 KEY ISSUES AND CONCERNS**

2 Based on feedback shared by Kitsumkalum First Nation to-date and review of the project activities, Cedar  
3 understands that key areas of concern for Kitsumkalum First Nation are as follows:

- 4 • Potential effects on the biophysical and human environment, with a particular focus on air quality,  
5 human health and marine resources
- 6 • Potential effects on social and economic conditions, with a particular focus on community health and  
7 well-being, housing impacts, and land and resource use, both on-reserve, and off-reserve (i.e.,  
8 Terrace and surrounding area), including adverse effects associated with economic growth in the  
9 region
- 10 • Potential effects on Kitsumkalum First Nation sense of place
- 11 • Potential effects on navigation and access to marine harvesting areas due to increased vessel traffic,  
12 with a particular focus on community health, safety, consumption, and harvest
- 13 • Cumulative effects on all the above

14 **E4.1.6 Lax Kw'alaams Band**

15 Cedar has been engaging with Lax Kw'alaams Band regarding the Project since summer 2019.  
16 Engagement began with an introductory letter and meeting with Haisla Nation leadership (Haisla Nation  
17 wholly owned the Project at that time). Technical discussions between Cedar and Lax Kw'alaams began  
18 in late 2019. The primary purpose of these technical discussions is to understand potential project-related  
19 effects to Lax Kw'alaams Band's interests as well as identify measures to avoid or mitigate those effects.

20 Cedar's approach to engagement includes the following activities:

- 21 • Sign a Communication and Cooperation Agreement that provides funding for Lax Kw'alaams to  
22 undertake studies to understand project-related effects to their interests and to participate in the  
23 environmental assessment process
- 24 • Provide preliminary drafts of environmental assessment documents and technical data reports for  
25 review in advance of submission to the EAO
- 26 • Meet with Lax Kw'alaams representatives regularly to provide updates regarding the Project and the  
27 environmental assessment process
- 28 • Provide updates regarding project design

29 Lax Kw'alaams Band has directly prepared an assessment of potential effects of the Project on their  
30 interests. Additional information regarding engagement between Cedar and Lax Kw'alaams Band is  
31 provided in the Indigenous Consultation Report.

32 **E4.1.6.1 KEY ISSUES AND CONCERNS**

33 Based on feedback shared to-date, Cedar understands that key areas of concern for Lax Kw'alaams  
34 Band are as follows:

- 35 • Appropriate characterization of baseline conditions
- 36 • Use of keystone species in the biological effects assessments

- 1 • Marine shipping
- 2 • Cumulative effects
- 3 • Accidents and malfunctions

#### 4 **E4.1.7 Metlakatla First Nation**

5 Cedar has been engaging with Metlakatla First Nation regarding the Project since summer 2019.  
6 Engagement began with an introductory letter and meeting with Haisla Nation leadership (Haisla Nation  
7 wholly owned the Project at that time). Technical discussions between Cedar and Metlakatla First Nation  
8 First Nation began in early 2020. The primary purpose of these technical discussions is to understand  
9 potential project-related effects to with Metlakatla First Nation interests as well as identify measures to  
10 avoid or mitigate those effects.

11 Cedar's approach to engagement includes the following activities:

- 12 • Sign an Engagement and Capacity Funding Agreement that provides funding for Metlakatla First  
13 Nation to undertake studies to understand project-related effects to their interests and to participate in  
14 the environmental assessment process
- 15 • Provide preliminary drafts of environmental assessment documents and technical data reports for  
16 review in advance of submission to the EAO
- 17 • Meet with Metlakatla First Nation representatives regularly to provide updates regarding the Project  
18 and the environmental assessment process
- 19 • Provide updates regarding project design

20 Metlakatla First Nation has directly prepared an assessment of the potential effects of the Project on their  
21 interests. Additional information regarding engagement between Cedar and Metlakatla First Nation is  
22 provided in the Indigenous Consultation Report.

##### 23 **E4.1.7.1 KEY ISSUES AND CONCERNS**

24 Based on feedback shared to-date, Cedar understands that key areas of concern for Metlakatla First  
25 Nation are as follows:

- 26 • Marine shipping, including air quality and noise effects
- 27 • Equitable employment
- 28 • Housing
- 29 • Cumulative effects
- 30 • Safety
- 31 • Accidents and malfunctions

## 1 **E4.1.8 Haida Nation**

2 Cedar has been engaging with Haida Nation regarding the Project since August 2020. This engagement  
3 includes:

- 4 • Offers to meet to introduce the Project
- 5 • Providing a copy of the draft Indigenous Consultation Plan for review and comment
- 6 • Sharing copies of the draft AIR and Valued Component Selection Memo for review and comment
- 7 • Providing notification of the public comment period and virtual open houses

8 Cedar undertook to collect project-related feedback and information from Haida Nation for incorporation  
9 into the assessment. Mechanisms to collect this information include engagement with Haida Nation and  
10 opportunities to validate the list of information sources, as well as to validate data compiled through  
11 secondary, publicly available sources, and drafts of this section of this Application.

12 Cedar will remain available through Application review should Haida Nation bring forward additional  
13 information related to this assessment. Additional information regarding engagement between Cedar and  
14 Haida Nation is provided in the Indigenous Consultation Report.

### 15 **E4.1.8.1 KEY ISSUES AND CONCERNS**

16 Based on feedback shared by Haida Nation to-date and review of the project activities, Cedar  
17 understands that key areas of concern for Haida Nation are as follows:

- 18 • Extent of the shipping route included in the scope of assessment
- 19 • Potential for marine shipping-related malfunctions and accidents
- 20 • Marine shipping-related noise and emissions, including greenhouse gases
- 21 • Potential effects on the biophysical and human environment, with a particular focus on human health  
22 and Haida Nation's interests
- 23 • Potential effects on social and economic conditions, with a particular focus on community health and  
24 safety and Haida Nation's interests

## 25 **E4.1.9 Métis Nation British Columbia**

26 Cedar has been engaging with Métis Nation British Columbia since early 2021. This engagement  
27 includes:

- 28 • Meeting to introduce the Project
- 29 • Providing a copy of the Indigenous Consultation Plan for review and comment
- 30 • Sharing copies of the draft AIR and Valued Component Selection Memo for review and comment
- 31 • Providing notification of the public comment period

1 Cedar undertook to collect project-related feedback and information from Métis Nation British Columbia  
2 for incorporation into the assessment. Mechanisms to collect this information include engagement with  
3 Métis Nation British Columbia and opportunities to validate the list of information sources, as well as to  
4 validate data compiled through secondary, publicly available sources, and drafts of this section of this  
5 Application.

6 Cedar will remain available through Application review should Métis Nation British Columbia bring forward  
7 additional information related to this assessment.

8 Additional information regarding Cedar's engagement with Métis Nation British Columbia to date is  
9 provided in the Indigenous Consultation Report.

#### 10 **E4.1.9.1 KEY ISSUES AND CONCERNS**

11 Based on feedback shared by Métis Nation British Columbia to-date and review of the project activities,  
12 Cedar understands that Métis Nation British Columbia has expressed interest in the Project due to the  
13 fact that Métis citizens may harvest in the area.

14 Through engagement with Cedar, Métis Nation British Columbia noted that the region has been well  
15 studied for various natural resources, and that a holistic consideration of the cumulative impacts of  
16 developments along and off the coast is a priority concern (Métis Nation British Columbia 2019).

## 17 **E4.2 Public Consultation Activities to Date**

18 Cedar developed a public and stakeholder consultation program to engage communities and interested  
19 stakeholders. The objective of this program is to provide opportunities for open and informed discussions  
20 as well as to gather meaningful input regarding the Project.

21 During the pre-Application engagement phases, Cedar undertook the following activities:

- 22 • Developed and maintained a project website to provide information and updates on the Project
- 23 • Developed and distributed a Project Introduction Mailer to introduce the Project and direct interested  
24 persons to the website to sign up for updates or obtain addition information
- 25 • Attended two virtual open houses near the beginning of the 45-day public comment period as per the  
26 section 11 Order<sup>3</sup>
- 27 • Hosted three virtual small group meetings for interested parties who registered via the website
- 28 • Hosted meetings with local stakeholder groups to introduce the Project and discuss areas of interest
- 29 • Documented, considered, and responded to comments and concerns raised by community members
- 30 • Prepared two Public Consultation Reports summarizing public engagement activities, feedback  
31 received, and Cedar's responses to the public comments

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<sup>3</sup> Due to travel restrictions during the COVID-19 pandemic, Cedar-led small group meetings were held virtually via Microsoft Teams and EAO-led open houses were held virtually via Microsoft Teams Live Events.



1 Cedar updated the draft AIR based on public comments received during the EAO public comment period,  
2 specifically:

- 3 • Section 6.3 of the AIR was updated to require reference to natural and/or human-caused trends that  
4 may alter the valued components irrespective of the changes that may be caused by the Project or  
5 other projects and activities in the local area
- 6 • A Strategic Assessment of Climate Change equation reference was corrected in Section 8.0 of the AIR
- 7 • The Sandhill Materials quarry and Ksi Lisims LNG Project were added to the list of projects to be  
8 considered as part of cumulative effects assessments

9 Additional information regarding Cedar- and EAO-led consultation activities is provided in the subsections  
10 below. More detailed information is available in the Public Consultation Plan and associated Public  
11 Consultation Reports. Public Consultation Report #1 summarizes Pre-Application engagement activities  
12 that occurred prior to August 2021. Public and stakeholder consultation activities from August 2021  
13 through late January 2022 is captured in Public Consultation Report #2.

14 As project development progresses, Cedar will continue to provide information to local stakeholders and  
15 the public as well as provide opportunities for these groups to offer feedback on the Project.

#### 16 **E4.2.1 Cedar-led Consultation Activities**

17 Cedar hosted three small group meetings with community members and stakeholder groups to introduce  
18 the Project and draft AIR document, provide notice of the EAO public comment period, and gather  
19 feedback on areas of interest for consideration in project planning and mitigation. The virtual small group  
20 meetings were held on June 16, June 17, and June 22, 2021. Participants were able to register for the  
21 small group meetings via the company website. Close to 50 people registered for the small group  
22 meetings, and attendance in the small group meetings ranged from 2 to 11 participants.

23 The majority of questions raised during the small group meetings were technical in nature. Some  
24 attendees also asked about the commercial aspects of the Project and asked for clarification around the  
25 environmental assessment process and regulatory requirements. In general, topics discussed during the  
26 small group meetings included:

- 27 • Contracting and business opportunities
- 28 • Geohazards (e.g., landslides, tsunamis)
- 29 • Extreme weather conditions (e.g., heavy rainfall)
- 30 • Floating LNG facility design, including storage of LNG and condensate
- 31 • Marine shipping
- 32 • GHG emissions, including upstream emissions

33 Concerns raised during the meetings also pertained to these same topics, specifically the effects of  
34 geohazards and extreme weather on the Project, project and shipping safety, and GHG emissions.

1 From November 2021 through January 2022, Cedar hosted meetings with community groups to provide  
2 an introduction to the Project as well as gather information regarding each group's areas of interest and  
3 identify areas for further discussion. Groups with which Cedar held Project introduction meetings are:

- 4 • Kitimat Chamber of Commerce
- 5 • Kitimat Economic Development Association
- 6 • TAMITIK Status of Women
- 7 • Rod and Gun Club
- 8 • Terrace-Kitimat Clean Air Coalition
- 9 • Douglas Channel Watch
- 10 • Kitimat Valley Naturalists

#### 11 **E4.2.2 EAO-Led Consultation Activities**

12 In accordance with the section 11 Order, the EAO held a 45-day public comment period on Cedar's draft  
13 AIR document. The draft AIR document was posted to the electronic project information centre (EPIC)  
14 website as of May 27, 2021 with a public comment period from June 3 to July 19, 2021.

15 Near the beginning of the public comment period, Cedar attended two EAO-led virtual open houses on  
16 June 8 and June 10, 2021. Key feedback received during the virtual open houses consisted of safety  
17 questions, commercial questions, and technical clarifications (e.g., power requirements).

18 During the public comment period, twenty-two comments were posted to the EAO's EPIC website. Four of  
19 the comments were detailed letters submitted by stakeholder groups. Major themes identified in the  
20 comments include climate change, greenhouse gas emissions, and air quality. Comments focused on  
21 GHG emissions also included secondary comments related to substitution of the *Impact Assessment Act*  
22 review, effects of the environment on the Project, effects of underwater noise on marine mammals,  
23 project-related effects to salmon, and the list of projects considered as part of the cumulative effects  
24 assessment. A summary of these comments as well as Cedar's responses is provided in the Public  
25 Consultation Report #1.

#### 26 **E4.3 Agency Consultation Activities to Date**

27 Cedar has been engaging with federal and provincial agencies and local government since early 2020,  
28 both through direct meetings as well as through the EAO-led working group, which is made up of  
29 representatives from all levels of government agencies as well as representatives from Indigenous  
30 nations. Working group participants are identified in Cedar's Agency Consultation Plan.

31 Cedar has attended and provided information on the Project at EAO-led working group meetings. To  
32 date, two working group meetings have been held for government agencies and Indigenous nations to  
33 review the draft Valued Component Selection Memo and the draft AIR document. Additional government  
34 agencies will be engaged if they express an interest in the Project.

35 Conference calls between the EAO, Impact Assessment Agency and Cedar to discuss the assessment  
36 process requirements and timelines, started in August 2019, and will continue on an ongoing basis.

37 Throughout Application review, Cedar will continue to provide information to government agencies as well  
38 as provide opportunities for these groups to offer feedback on the Project.

### **E4.3.1 Local Government Activities**

During the pre-Application phase, Cedar held meetings with local and regional governments to provide information regarding the Project and seek input regarding topics such as current studies, proposed methods, environmental assessment approach and future permitting requirements. In addition to meetings with staff from the District of Kitimat, City of Terrace and Regional District of Kitimat-Stikine, Cedar presented the Project to the District of Kitimat and City of Terrace Mayors and Councils at virtual public meetings.

In addition to clarifying questions regarding the project design and environmental assessment process, areas of interest and/or concern that were raised by the District of Kitimat during these meetings included:

- Inclusion of local stakeholder groups in engagement processes
- Increases in road use, particularly during the construction phase
- Freshwater use and any required utilities
- District of Kitimat permit requirements
- Impact on public access on trails
- Consideration of sea level rise in project design

Areas of interest and/or concern raised by the City of Terrace during these meetings included:

- Socio-economic effects associated with increased numbers of people
- Increased demands on infrastructure and services
- Taxation and receiving benefits from development projects in addition to increased demands
- Contracting opportunities for local businesses

Areas of interest and/or concern that were raised by the Regional District of Kitimat-Stikine during these meetings included:

- Solid waste management
- Potential effects to employment in Prince Rupert and the Nass Valley
- Air emissions and air quality

Feedback from the District of Kitimat, City of Terrace, and Regional District of Kitimat-Stikine have been noted and have informed the development of the scope of this Application. Additional information regarding local government engagement during the Pre-Application phase is available in the Agency Consultation Report, which is available on the EAO's EPIC website.

### **E4.3.2 Government Agency Activities**

During the pre-Application phase of the environmental assessment, Cedar used several methods to engage government agencies, including bi-weekly conference calls, working group meetings, working group comment periods, and one-on-one and small group meetings. Tracking tables were used to assemble feedback when government agencies provided comments as part of their review of a document. Cedar responses to the comments were also provided in the tracking table format.

- 1 Introductory meetings were held with select agencies in early 2020 in advance of the formal working  
 2 group process commencing. The agencies with whom Cedar met are listed below and key issues raised  
 3 are summarized in Table E4.1.

**TABLE E4.1 SUMMARY OF PROJECT INTRODUCTION MEETINGS**

Agencies	Meeting Date	Areas of Interest Discussed
Health Canada	March 20, 2020	<ul style="list-style-type: none"> <li>• Consideration of volatile organic compounds (VOCs), ozone and diesel particulate matter</li> <li>• Gender-based analysis and intersectionality</li> <li>• Inclusion of Kitamaat Village in noise modelling</li> </ul>
Fisheries and Oceans Canada (DFO)	March 25, 2020	<ul style="list-style-type: none"> <li>• Northern abalone</li> <li>• Subtidal surveys using divers rather than a remotely operated vehicle</li> <li>• Understanding effects to specific species, including commercial, recreation and Aboriginal fishery species, species of importance to Indigenous nations, and species at risk.</li> </ul>
Environment and Climate Change Canada (ECCC)	March 27, 2020	<ul style="list-style-type: none"> <li>• Leveraging previous project information, including ECCC comments</li> <li>• Water quality</li> <li>• Strategic Assessment of Climate Change</li> </ul>
Transport Canada	April 8, 2020	<ul style="list-style-type: none"> <li>• Greenhouse gas (GHG) emissions from vessels</li> <li>• Shipping risk assessment</li> </ul>
BC Coast Pilots	April 23, 2020	<ul style="list-style-type: none"> <li>• Pilot boarding of LNG carriers</li> <li>• Proactive Vessel Management Program</li> </ul>
Oil and Gas Commission (OGC)	March 19, 2020	<ul style="list-style-type: none"> <li>• Oil and Gas Activities Act permitting</li> </ul>
Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNRORD)	March 26, 2020	<ul style="list-style-type: none"> <li>• Fossils and their inclusion in the heritage resources assessment</li> <li>• Ungulate winter range</li> <li>• Northern goshawk</li> </ul>
Ministry of Environment and Climate Change Strategy	March 17, 2020	<ul style="list-style-type: none"> <li>• Acidification and eutrophication</li> <li>• Water quality</li> </ul>
	December 14, 2020	<ul style="list-style-type: none"> <li>• Acidification and Eutrophication Plan</li> </ul>
Ministry of Health	March 20, 2020	<ul style="list-style-type: none"> <li>• Consideration of VOCs, ozone and diesel particulate matter</li> <li>• Gender-based analysis and intersectionality</li> <li>• Inclusion of Kitamaat Village in noise modelling</li> </ul>
Northern Health	March 20, 2020	<ul style="list-style-type: none"> <li>• Consideration of VOCs, ozone and diesel particulate matter</li> <li>• Gender-based analysis and intersectionality</li> <li>• Inclusion of Kitamaat Village in noise modelling</li> </ul>

1 As part of the Working Group, government agencies were given the opportunity to comment on the draft  
2 Valued Component Selection Memo and the draft AIR document. Cedar also shared draft baseline  
3 reports for freshwater fish, wildlife, vegetation and marine resources with relevant agencies. Key  
4 meetings to resolve areas of concern in the draft AIR are summarized in Table E4.2.

**TABLE E4.2 SUMMARY OF MEETINGS REGARDING THE APPLICATION INFORMATION REQUIREMENTS**

Agency	Date	Key Concerns or Issues Raised
DFO	March 25, 2021	<ul style="list-style-type: none"> <li>Underwater noise from construction and shipping</li> <li>Pile driving associated with the small craft jetty</li> </ul>
Health Canada	March 26, 2021	<ul style="list-style-type: none"> <li>Abnormal operating scenarios</li> <li>Noise modelling</li> <li>Electric and magnetic fields</li> <li>Tissue quality</li> <li>Diesel particulate and VOCs</li> <li>Inventory of air pollutants</li> <li>Conversion of NO<sub>x</sub> to NO<sub>2</sub></li> </ul>
Northern Health	March 30, 2021	<ul style="list-style-type: none"> <li>Accidents and malfunctions and emergency planning</li> <li>Diesel particulate and VOCs</li> <li>Non-local workers and the capacity of Northern Health facilities</li> <li>Community health</li> <li>Disaggregated data on disadvantaged populations</li> </ul>
ECCC	June 16, 2021	<ul style="list-style-type: none"> <li>Strategic Assessment of Climate Change</li> <li>Acidification and eutrophication assessment</li> <li>Water and sediment quality</li> <li>Wetlands</li> <li>Wildlife</li> <li>Malfunctions and accidents</li> </ul>
IAAC	April 2021	<ul style="list-style-type: none"> <li>Areas of federal responsibility</li> </ul>

5 In preparation of the Application, Cedar held multiple conversations with provincial and federal  
6 government agencies to facilitate the review of draft plans and the proposed approach to technical  
7 studies, such as providing the draft air quality modelling plan and proposed approach to the acidification  
8 and eutrophication assessment to the Ministry of Environment and Climate Change Strategy for feedback  
9 and review. In addition, Cedar submitted a Request for Review to Fisheries and Oceans Canada for the  
10 LNG terminal (i.e., marine infrastructure associated with the Project).

11 Additional information regarding engagement with agencies during the pre-Application phase is provided  
12 in the Agency Consultation Report. Cedar will continue to engage with government agencies through  
13 Working Group meetings, one-on-one and small group meetings, and bi-weekly conference calls to  
14 gather feedback on topics such as current studies, proposed methods, environmental assessment  
15 approach and future permitting requirements.

## E5.0 Environmental Assessment Overview

### E5.1 Environmental Assessment Process

The Project has been determined to be a reviewable project under the British Columbia *Environmental Assessment Act*, SBC 2002, c 43 by the EAO and a designated project under the *Impact Assessment Act* by the Impact Assessment Agency of Canada. Therefore, the Project must obtain an environmental assessment certificate under British Columbia *Environmental Assessment Act* and a positive Decision Statement under the *Impact Assessment Act* before it may receive approvals to construct and operate the Project.

#### E5.1.1 Provincial and Federal Review Process

There is one assessment trigger in the Reviewable Projects Regulation (BC Reg. 370/02) under the British Columbia *Environmental Assessment Act*. This is in Part 4 (Energy Projects), Table 8 (Petroleum and Natural Gas Projects), Row 1 (Energy Storage Facilities) which includes “. . . a new energy storage facility with the capability to store an energy resource in a quantity that can yield by combustion  $\geq 3$  PJ of energy.”

There are two assessment triggers in the Physical Activities Regulations (SOR/2019-285) under the *Impact Assessment Act*:

- Section 37(d) “*The construction, operation, decommissioning and abandonment of . . . a new facility for the liquefaction, storage or regasification of liquefied natural gas, with a liquefied natural gas processing capacity of 3 000 t/day or more or a liquefied natural gas storage capacity of 136 000 m<sup>3</sup> or more;*”
- Section 52 “*The construction, operation, decommissioning and abandonment of a new marine terminal designed to handle ships larger than 25 000 DWT.*”

The Project will liquefy approximately 8,200 metric tonnes of natural gas per day, have a storage capacity up to 250,000 million cubic metres of LNG, and the LNG carriers visiting the facility are anticipated to range from approximately 70,000 dead weight tonnes to approximately 100,000 dead weight tonnes. As such, the Project is a designated project under the *Impact Assessment Act*.

On September 17, 2019, the EAO wrote to the president of the Impact Assessment Agency of Canada and requested approval for the substitution of the impact assessment under *Impact Assessment Act* with British Columbia’s assessment process under the British Columbia *Environmental Assessment Act*. On January 24, 2020, after a 30-day public comment period on the request, the federal Minister of Environment and Climate Change approved the substitution with conditions through a letter to the EAO

The Application has been developed pursuant to the finalized AIR approved by EAO and complies with relevant instructions provided in the section 11 Order and any other direction provided by EAO. As part of the substituted process, the assessment also provides information to fulfill both Impact Assessment Agency of Canada and EAO regulatory requirements for both review processes.

Table E5.1 provides an overview of milestones in the assessment process for the Project leading up to submission of this Application.

**TABLE E5.1 OVERVIEW OF KEY PROVINCIAL AND FEDERAL PRE-APPLICATION MILESTONES**

Milestone	Date	Discussion/Description
Formal notification of the Project submitted to EAO	August 22, 2019	Cedar submitted a Project Description to the EAO
Formal notification of the Project submitted to the Impact Assessment Agency of Canada	August 30, 2019	Cedar submitted an initial Project Description to the Impact Assessment Agency of Canada
BCEAA section 10 Order	August 30, 2019	EAO issued an order under section 10(1)(c) stating that the Project was reviewable under British Columbia <i>Environmental Assessment Act</i> and that an Environmental Assessment Certificate Application was required
EAO request for substituted process	September 17, 2019	EAO wrote to the Impact Assessment Agency of Canada for a substitution in accordance with the Canada-British Columbia Impact Assessment Cooperation Agreement
Public comment period for the initial Project Description	September 19 to October 20, 2019	Impact Assessment Agency of Canada public comment period to review the initial Project Description
Detailed Project Description submitted to Impact Assessment Agency of Canada	December 6, 2019	Cedar submitted a detailed Project Description to the Impact Assessment Agency of Canada in accordance with the Information and Management of Time Limits Regulations and the summary of issues given to Cedar on October 30, 2019
British Columbia <i>Environmental Assessment Act</i> section 11 Order	December 13, 2019	EAO issued an Order under section 11 requiring an assessment of the Project to be conducted according to the scope, procedures and methods set out in the associated schedules
Impact Assessment Agency of Canada federal impact assessment required	December 19, 2019	The Impact Assessment Agency of Canada determined that a federal impact assessment is required for the Project, pursuant to sections 30, 37d and 52 of the Physical Activities Regulations. Based on project refinements, only 37d and 52 still apply.
Impact Assessment Agency of Canada substitution approval	January 24, 2020	Minister of Environment and Climate Change approved the environmental assessment to be undertaken by the EAO under a substituted process
Confirmation that the Project to remain under the 2002 version of the <i>Environmental Assessment Act</i>	January 30, 2020	Cedar wrote to EAO to confirm the Project will be assessed under the former <i>Environmental Assessment Act</i> SBC 2002, c.43
Working group meeting	December 2, 2020	Working Group Meeting #1 to introduce the Project and discuss proposed valued components
Draft AIR submitted to EAO for review	February 9, 2021	Cedar provided the initial draft AIR for review by the EAO and the working group
Working Group Meeting	March 5, 2021	Working Group Meeting #2 to discuss draft AIR document
Draft AIR posted to EPIC	May 27, 2021	Draft AIR posted to EPIC website for public and stakeholder comment



**TABLE E5.1 OVERVIEW OF KEY PROVINCIAL AND FEDERAL PRE-APPLICATION MILESTONES**

Milestone	Date	Discussion/Description
Public comment period for draft AIR	June 3 to July 19, 2021	EAO issued public and stakeholder comment period for the draft AIR
Virtual Open Houses	June 8 and June 10, 2021	Virtual public open houses held by EAO and Cedar for the Project's draft AIR
Public consultation reports	August 18, 2021	Cedar submitted its public consultation report #1 to the EAO 30 days after the close of the public comment period on the draft AIR summarizing its public engagement program to date in the pre-application stage (public consultation report #2 due at the time of submission of the Application)
Final AIR posted by EAO	November 15, 2021	Final AIR posted by the EAO to EPIC website formally establishing the information requirements for Cedar's Environmental Assessment Certificate Application

1 **E5.1.2 Applicable Permits and Authorizations**

2 In addition to the environmental and impact assessments required for LNG export facilities, there is a  
 3 comprehensive framework of provincial and federal legislation, policies, and initiatives related to the  
 4 protection of environmental, social, economic, heritage and health matters. These statutes, policies and  
 5 frameworks are presented below (Table E5.2) and are grouped by topic area. The Project is not located  
 6 in an area that has been the subject of a federal regional environmental study. The *Strategic Assessment*  
 7 *of Climate Change* (Government of Canada 2020) is the only strategic assessment as defined in the  
 8 *Impact Assessment Act* that is relevant to the Project.

**TABLE E5.2 RELEVANT POLICIES, INITIATIVES AND ASSESSMENT**

<p><b>Management of fisheries and aquatic resources</b></p>	<p><i>Fisheries Act</i>  <i>Species at Risk Act</i>                      Fisheries and Oceans Canada Fish and Fish Habitat Protection Policy Statement                      Framework for Assessing the Ecological Flow Requirements to Support Fisheries in Canada  <i>Water Sustainability Act</i>                      British Columbia Environmental Flow Needs Policy</p>
<p><b>Management of marine shipping</b></p>	<p><i>Canadian Navigable Waters Act</i>  <i>Canada Marine Act</i>  <i>Canada Shipping Act</i>  <i>Pilotage Act</i>                      International Convention for the Control and Management of Ships' Ballast Water and Sediments                      International Convention for the Prevention of Pollution from Ships (MARPOL)                      Science advice for pathways of effects for marine shipping in Canada: Biological and ecological effects                      Pathways of Effects Conceptual Models for Marine Commercial Shipping in Canada</p>
<p><b>Management of emissions and effluents</b></p>	<p><i>Canadian Environmental Protection Act, 1999</i>  <i>Environmental Management Act</i>                      Strategic Assessment of Climate Change                      Canadian Ambient Air Quality Standards                      British Columbia Air Quality Objectives                      British Columbia Air Quality Dispersion Modelling Guideline                      Critical Load Screening Guidance for Acidification and Eutrophication of Terrestrial Ecosystems                      Flaring and Venting Reduction Guideline                      British Columbia Noise Control Best Practices Guideline                      Light Control Best Practices Guideline</p>
<p><b>Management of human health</b></p>	<p><i>Public Health Act</i>                      Health Canada Guidance for Evaluating Human Health Impacts in Environmental Assessment:</p> <ul style="list-style-type: none"> <li>• Guidance for Evaluating Human Health Impacts in Environmental Assessment: Human Health Risk Assessment</li> <li>• Guidance for Evaluating Human Health Impacts in Environmental Assessment: Air Quality.</li> <li>• Guidance for Evaluating Human Health Impacts in Environmental Assessment: Noise</li> </ul>

**TABLE E5.2 RELEVANT POLICIES, INITIATIVES AND ASSESSMENT**

<b>Management of heritage and paleontological resources</b>	<p><i>Heritage Conservation Act</i></p> <p>British Columbia Fossil Management Framework</p> <p>Archaeological Impact Assessment Guidelines</p> <p>Culturally Modified Trees of British Columbia: A Handbook for the Identification and Recording of Culturally Modified Trees</p> <p>Archaeology Branch policies and bulletins</p>
<b>Management of wildlife and ecosystems</b>	<p><i>Species at Risk Act</i></p> <p>Federal Policy on Wetland Conservation</p> <p><i>Forest and Range Practices Act</i></p> <p><i>Forest Act</i></p> <p>British Columbia Conservation Framework</p> <p>British Columbia Environmental Mitigation Policy</p> <p><i>Weed Control Act</i></p> <p><i>Wildlife Act</i></p> <p><i>Migratory Birds Convention Act</i></p>
<b>Management of development activities</b>	<p><i>Oil and Gas Activities Act</i></p> <p><i>Local Government Act</i></p>

## 1 **E5.2 Scope of the Project**

2 The scope of the Project for the purpose of the environmental assessment includes project components  
 3 and activities associated with the construction and operation of the following components and facilities:

- 4 • FLNG facility—A purpose-built, permanently-moored floating natural gas liquefaction facility with the  
 5 capacity to process 400 million standard cubic feet per day (11.3 million cubic metres) of natural gas  
 6 using established liquefaction technology into approximately 3 million tonnes per annum of LNG for  
 7 export to international markets.
- 8 • Marine terminal—A dedicated terminal providing permanent mooring for the FLNG facility and power  
 9 and gas pipeline connections to the FLNG facility as well as an optional small craft (tug) jetty
- 10 • Supporting infrastructure—Land-based supporting infrastructure, including warehouse(s), substation,  
 11 security building, parking, access roads, and an approximate 8 km long, 287 kV transmission line  
 12 between BC Hydro’s Minette Substation and the Project Area



1 For the transmission line, two route options have been identified: the first following a route along the top  
2 of the mountain ridge for its entire length; and the second following an existing powerline from Minette  
3 Substation to Rio Tinto's aluminum smelter for approximately 1.8 km before proceeding up the mountain  
4 slope and following the route along the top of the mountain ridge to the Project Area. These transmission  
5 line route options are shown on Figure E2. The final route will be confirmed during front end engineering  
6 design. For the purpose of the assessment, the route following the ridge for its entirety is considered in  
7 this Application as it has the largest physical footprint and therefore the greatest potential effects for  
8 consideration.

9 During the FEED and detailed design stages of project planning, Cedar may elect to also locate the  
10 administration building and warehouse(s) in the town centre or light industrial area of Kitimat. If this option  
11 is pursued, it is likely that Cedar would lease or purchase an existing building. For the purposes of this  
12 Application, onsite infrastructure is considered to be the base case for the Project as it has the largest  
13 physical footprint and therefore the greatest potential effects for consideration changes.

14 As the FLNG facility will be built in a shipyard in Asia and transported to the marine terminal for  
15 installation and commissioning and it is therefore not included in the assessment of construction impacts.  
16 For the purposes of this assessment, the assessable project scope will also include the shipping of LNG  
17 between the marine terminal and the BC Coast Pilot boarding location near Triple Islands.

18 Dredging is not required for the FLNG facility or to accommodate the LNG carriers. Similarly, dredging is  
19 not expected to be required for the optional small craft jetty. On the basis that dredging is not expected,  
20 Cedar is not proposing any disposal at sea.

## 21 **E5.3 Assessment Boundaries**

22 The spatial, temporal, administrative, and technical boundaries for the assessment are described below.

### 23 **E5.3.1 Spatial Boundaries**

24 For the purpose of the assessment, three key spatial boundaries were identified:

- 25 • The **project footprint** will encompass the physical footprint of onsite and offsite components (i.e., the  
26 extent of planned clearing and development within the Project Area and transmission line corridor)  
27 (see Figure E2). To be conservative, assessment areas are based on the reasonable maximum extent  
28 of the Project Area and transmission line permitting corridor. The transmission line permitting corridor  
29 is approximately 300 m wide and the transmission line right-of-way will take up approximately 45 m  
30 within this area.
- 31 • The **local assessment area (LAA)** for each valued component encompasses the area in which (a)  
32 project-related effects can be predicted or measured with a level of confidence that allows for  
33 assessment; (b) there is a reasonable expectation that those potential effects will be of concern;  
34 and/or (c) have been independently established through the AIR. The LAA for each valued component  
35 is described in the relevant valued component sections.
- 36 • The **regional assessment area (RAA)** for each valued component is the area within which potential  
37 cumulative effects—the residual effects from the proposed Project in combination with those of past,  
38 present and reasonably foreseeable projects—are assessed. The RAA for each valued component is  
39 described in the relevant valued component sections.

1 Where applicable, valued component-specific spatial boundaries will be described in the relevant valued  
2 component sections of the Application.

### 3 **E5.3.2 Temporal Boundaries**

4 Based on the current project schedule, the temporal boundaries for the assessment are:

- 5 • **Construction:** up to approximately four years long, commencing following receipt of necessary  
6 regulatory approvals and a final investment decision by Cedar.
- 7 • **Operation:** pursuant to Licence GL-327 issued by the National Energy Board (now the Canada  
8 Energy Regulator), the Project will operate for 25 years following completion of construction. Cedar  
9 may apply to extend GL-327 to a 40-year term. A 40-year lifespan will be used for the purposes of this  
10 Application.
- 11 • **Decommissioning:** approximately 12 months following the end of operation.

12 Where applicable, valued component-specific temporal boundaries will be described in the relevant valued  
13 component sections of the Application.

### 14 **E5.3.3 Administrative Boundaries**

15 Administrative boundaries describe the limitations imposed on the project assessment by political,  
16 economic or social constraints. Where applicable, valued component-specific administrative boundaries  
17 will be described in the relevant valued component sections of the Application.

### 18 **E5.3.4 Technical Boundaries**

19 Technical boundaries describe limitations in information, data analyses, and data interpretation relevant  
20 to a particular valued component. Where applicable, valued component-specific technical boundaries and  
21 the methods used to identify the boundaries will be described in the relevant valued component sections  
22 of the Application.

## 23 **E5.4 Selection and Scope of Valued Components**

24 The valued components considered in the Application were selected based on the findings of previous  
25 environmental assessments for LNG projects and marine terminal projects in British Columbia, the  
26 professional opinions of the environmental assessment practitioners retained by Cedar, feedback  
27 received through public consultation, and advice provided by the Project's working group (including  
28 Indigenous nations). The selected valued components represent aspects of the biophysical and human  
29 environments that will respond to potential effects of the Project. The identified valued components for the  
30 Project, potential effects on these valued components, and standard measurable parameters used to  
31 assess the extent of effects are presented in Table E5.3.

**TABLE E5.3 VALUED COMPONENTS SCOPING**

Valued Component	Potential Effects	Potential Effect Pathways
<b>Environmental Assessment</b>		
Air Quality	<p>Increase in concentrations of ambient air criteria air contaminants including SO<sub>2</sub>, NO<sub>2</sub>, CO, and PM<sub>2.5</sub> during the construction, operation and decommissioning phases of the Project</p> <p>Deposition rates of S, N, and N+S during operation of the Project</p>	<p>Emissions from operation of equipment and vehicles during earthworks and construction, installation of piles (if required), blasting (if required)</p> <p>Emissions from operation of the FLNG facility, flaring, loading of carriers, marine vessel operation</p> <p>Emissions from operation of equipment during decommissioning</p>
Acoustic	<p>Changes to daytime/nighttime sound levels, low frequency noise, sleep disturbance, and community annoyance</p> <p>Displacement and sensory disturbance to wildlife (including shipping route)</p>	<p>Operation of construction equipment and vehicles during earthworks, installation of piles, and blasting (if required)</p> <p>Operation of the FLNG facility, flaring, loading of carriers, marine vessel operation</p> <p>Operation of equipment and vehicles during decommissioning</p>
Freshwater Fish	Change in surface water quality	<p>Construction activity on land adjacent to waterbodies resulting in changes to bank stability, loss of riparian habitat, sedimentation, or increased erosion potential on the project footprint</p> <p>Increased suspended sediment concentrations and transport in surface water due to instream construction, vegetation clearing, increased erosion on the project footprint</p> <p>Introduction of deleterious substances and change in surface water quality resulting from spills and releases related to the use of construction equipment and construction activities (e.g., use of explosives)</p> <p>Potential for deposition of sulphur and nitrogen compounds from project air emissions to cause indirect effects on surface water quality (e.g., acidification or eutrophication)</p>
	Change in habitat	<p>Alteration of riparian functions for instream habitats due to clearing</p> <p>Alteration or loss of instream habitats due to physical work in or near watercourses or due to sediment deposition</p> <p>Alteration of habitat availability due to temporary water diversion</p>
	Change in fish health or mortality risk	<p>Destruction of fish and/or eggs during instream work</p> <p>Change in timing, duration and frequency of flow (including during isolation of crossings and temporary diversions), resulting in fish mortality by stranding, or by preventing access to spawning areas or food supply</p> <p>Acidification of freshwater causing change the production of aquatic invertebrates, changing the food available for fish as well as altering the water chemistry of the freshwater</p>

**TABLE E5.3 VALUED COMPONENTS SCOPING**

Valued Component	Potential Effects	Potential Effect Pathways
Marine Resources	Change in habitat	Construction activities (e.g., marine construction) have the potential to permanently alter or destroy fish habitat used for spawning, rearing, feeding or migration
	Change in fish or marine mammal injury or mortality risk	Construction activities (e.g., pile driving) have the potential to cause physical injury or direct mortality of marine fish.  Underwater noise associated with in-water construction has the potential to injure fish or marine mammals, or kill fish  During operation, seawater intakes have the potential to injure or kill fish through entrainment and impingement
	Change in water quality	Exposure to elevated levels of suspended sediments during in-water construction has the potential to affect fish and marine mammal health
	Change in behaviour of fish or marine mammals caused by sensory disturbances	Underwater noise associated with in-water construction and shipping activities has the potential to alter fish or marine mammal behaviour  Changes in light conditions associated with in-water construction activities, marine infrastructure, and shipping have the potential to alter fish behaviour
Vegetation Resources	Change in the abundance of plant species of interest (including introduction of invasive plant species)	Clearing and ground disturbance of the project footprint potentially impacting provincially listed and traditional use plants  Indirect alteration of vegetation communities arising from the introduction or spread of provincially regulated invasive species
	Change in the abundance of ecological communities of interest	Clearing and ground disturbance in the project footprint potentially resulting in loss of vegetation or reduced abundance of ecological communities of interest  Potential reduced condition of ecological communities due to edge effects and fragmentation  Indirect alteration of vegetation communities arising from the introduction or spread of provincially regulated invasive species
	Change in wetland functions	Alteration or loss of wetland area or wetland class arising from vegetation clearing and ground disturbance  Changes in soil, hydrology, water quality or vegetation that might affect wetland functions
	Change in native vegetation health and diversity due to air emissions	Project air emissions during operation have the potential to affect vegetation health and diversity through:  1. SO <sub>2</sub> and NO <sub>2</sub> air concentrations (direct effect)  2. Nitrogen deposition (indirect effect of eutrophication)  3. Sulphate and acid deposition (indirect effect)

**TABLE E5.3 VALUED COMPONENTS SCOPING**

Valued Component	Potential Effects	Potential Effect Pathways
Wildlife	Change in habitat	Direct loss, alteration, or fragmentation of habitat due to construction (e.g., vegetation clearing, ground disturbance)  Indirect loss or alteration of habitat effectiveness through sensory disturbance associated with project construction and operation
	Change in movement of wildlife	Alteration or impediment of wildlife movement due to physical barriers, sensory disturbance, or vegetation removal (i.e., gaps in forested habitat) associated with construction or operation
	Change in mortality risk	Project-related activities resulting in physical destruction of key habitat features (e.g., nests, dens, roosts, hibernacula)  Project-related activities resulting in accidental mortality of birds, amphibians, and mammals (particularly small, less mobile species or individuals)  Project lighting resulting in wildlife injury or mortality  Increased linear feature density leading to increased human and predator access  Vehicle-wildlife collisions  Wildlife-human conflict
<b>Economic Assessment</b>		
Employment and Economy	Change in regional employment	Project-related employment and other expenditures have direct, indirect and induced beneficial effects on regional supply, employment and incomes  Labour, goods, and services required may exceed existing capacity, leading to supply issues and cost increases (e.g., wage and price inflation)
	Change in regional business	Project expenditures during construction, operation and decommissioning have the potential to enhance local and regional business activity. Adverse economic effects may occur when the labour, goods, and services required for a project exceeds the existing capacity, leading to supply issues and cost increases (e.g., wage and price inflation)
	Change in regional economy	Population increase may affect the capacity of local and municipal governments to deliver necessary infrastructure and services  Capital spending associated with the Project will contribute to economic activity within the region and has the potential to affect other sectors

**TABLE E5.3 VALUED COMPONENTS SCOPING**

Valued Component	Potential Effects	Potential Effect Pathways
<b>Social Assessment</b>		
Infrastructure and Services	Change in infrastructure and services	Demand for infrastructure and services may be affected by project activities and project-related population growth (temporary and/or permanent)
	Change in accommodation availability	The project workforce may increase demand for accommodations in the local area, affecting inventory levels, and increasing rental rates for local residents
	Change in transportation infrastructure	Construction and operation of the Project may increase demand on traffic infrastructure in the region, including road, air and rail (if relevant) and potentially increasing travel times and affecting safety
Land and Resource Use	Change in private property and tenured land use	<p>Project clearing for the transmission line may result in the loss of area available for tenured land use activities</p> <p>Project construction and operation activities may not be compatible with overlapping occurrences and uses of private property and Crown land (tenured and non-tenured use)</p> <p>Project presence and site management activities may affect access to and/or the quality of the experience for private property owners and tenure land and resource holders</p>
	Change in non-tenured land use	<p>Project clearing for the transmission line may result in the loss of area available for non-tenured land use activities</p> <p>Project presence and site management activities may affect access to and/or the quality of the experience for -tenured land and resource holders</p> <p>The Project may affect the quantity and quality of land and resource use activities through effects on the aesthetic quality of areas used for land and resource use activities</p>
	Change in visual quality/ambient light	The Project may affect visual quality through vegetation clearing, construction, and presence of human-made structures, and cause disturbance effects (ambient light)
Marine Use	Change in marine navigation	<p>There is potential for project activities to interfere with a navigable waterway</p> <p>Construction activities and operation of the marine terminal, including safety zone, may affect navigation of commercial and recreational marine vessels</p>

**TABLE E5.3 VALUED COMPONENTS SCOPING**

Valued Component	Potential Effects	Potential Effect Pathways
Marine Use (cont'd)	Change in marine fisheries and other uses	<p>An increase in vessel traffic and type may affect commercial, recreational, and Indigenous fisheries</p> <p>An increase in vessel traffic and type may affect existing tourism activities (e.g., visitor frequency, and access)</p> <p>Change in noise and light levels associated with marine vessel traffic during operation may affect marine fisheries, and quality of experience for marine users</p> <p>The Project may affect the quantity and quality of marine use activities through effects on the aesthetic quality of areas used for marine use activities</p>
<b>Heritage Assessment</b>		
Heritage	Loss of information about or alteration to site contents or context	Construction will involve tree clearing and ground disturbing activities that could disturb or destroy heritage and archaeological resources
<b>Health Assessment</b>		
Human Health	Change in human health	Construction, operation, and decommissioning of the Project may release chemicals into the air, soil, water, and sediment and affect the health of people who are exposed to these chemicals from inhalation, ingestion, or dermal contact
<p>NOTE:</p> <p>SO<sub>2</sub> = sulphur dioxide; NO<sub>2</sub> = nitrogen dioxide; CO = carbon monoxide; PM<sub>2.5</sub> = respirable particulate matter; S = sulphur; N = nitrogen; N+S = sulfur plus nitrogen</p>		

## 1 E5.5 Project Interactions

2 Potential interactions between the Project's components and physical activities and each selected valued  
 3 component are provided in Table E5.4. Potential interactions have been carried forward and assessed in  
 4 the relevant valued component sections of the Application. Justification is provided for non-interactions,  
 5 including any input received from EAO, the working group, government agencies, Indigenous nations and  
 6 the public.

**TABLE E5.4 POTENTIAL PROJECT INTERACTIONS WITH VALUED COMPONENTS**

Project Activities and Physical Works	Air Quality	Acoustic	Freshwater Fish	Marine Resources	Vegetation Resources	Wildlife	Employment and Economy	Infrastructure and Services	Land and Resource Use	Marine Use	Human Health	Heritage
<b>Construction</b>												
Procurement of labour, goods, and services	0	0	0	0	0	0	1/+	1/+	1	0	0	0
Site preparation and clearing	1	1	1	2	2	2	0	0	1	0	1	1
Construction of land-based infrastructure	1	1	1	0	1	1	0	0	1	0	1	1
Construction of marine-based infrastructure	1	1	0	2	1	1	0	0	0	2	1	1
Marine transport of construction materials to the site	1	1	0	2	0	1	0	0	0	2	1	0
Vehicle traffic	1	1	0	0	1	1	0	1	1	0	1	0
Waste management	0	0	0	2	0	1	0	1	0	0	0	0
<b>Operation</b>												
Procurement of labour, goods, and services	0	0	0	0	0	0	1/+	1/+	1	0	0	0
Pre-treatment, liquefaction, storage and offloading of natural gas at the FLNG facility	2	2	1	2	2	1	0	0	0	0	2	0
LNG carrier loading	1	1	0	1	0	1	0	0	0	1	1	0
Marine shipping and transportation	1	1	0	2	0	1	0	0	0	2	1	0
Facility and infrastructure maintenance	1	1	1	2	1	1	0	0	0	1	1	0

**TABLE E5.4 POTENTIAL PROJECT INTERACTIONS WITH VALUED COMPONENTS**

Project Activities and Physical Works	Air Quality	Acoustic	Freshwater Fish	Marine Resources	Vegetation Resources	Wildlife	Employment and Economy	Infrastructure and Services	Land and Resource Use	Marine Use	Human Health	Heritage
Vehicle traffic	1	1	0	0	1	1	0	1	1	0	1	0
Waste management	0	0	0	2	0	1	0	1	0	0	0	0
Decommissioning												
Procurement of labour, goods and services	0	0	0	0	0	0	1/+	1/+	1	0	0	0
Decommissioning of land-based infrastructure	1	1	1	0	1	1	0	0	1	0	1	0
Decommissioning of marine-based infrastructure	1	1	0	2	0	1	0	0	0	1	1	0
Marine transport of decommissioned infrastructure	1	1	0	2	0	1	0	0	0	1	1	0
Vehicle traffic	1	1	0	0	1	1	0	1	1	0	1	0
Waste management	0	0	0	2	0	1	0	1	0	0	0	0
<p>Key</p> <p>0 = No effect expected; no further consideration warranted.</p> <p>1 = Potential adverse effect requiring additional mitigation; warrants further consideration.</p> <p>2 = Key interaction resulting in potential adverse effect of particular importance or concern; warrants further detailed consideration</p> <p>+ = Potential positive effect that can be enhanced; warrants further consideration</p> <p>NOTE:</p> <p>Only activities with an interaction of 1, 2 or + for at least one interaction are shown.</p>												

## 1 E6.0 Assessment of Potential Effects Summary

### 2 E6.1 Air Quality

3 This assessment was conducted following recommendations in the British Columbia Air Quality  
4 Dispersion Modelling Guideline (Guideline) (ENV 2015). Effects on the receiving environment are  
5 determined through a comparison of maximum predicted concentrations against the British Columbia Air  
6 Quality Objectives. The Air Quality Objectives are a suite of ambient air quality criteria that have been  
7 developed provincially and nationally to inform decisions on the management of air contaminants (ENV  
8 2020). The Air Quality Objectives are used to gauge current and historical air quality and guide decisions  
9 on environmental impact assessments and authorizations. The Ministry of Environment and Climate  
10 Change Strategy has stated that the Air Quality Objectives are to be used to characterize air quality and  
11 potential air quality impacts in areas where people live or where other sensitive receptors are likely to be  
12 found (ENV 2016).

13 The Air Quality Objectives for nitrogen dioxide and sulphur dioxide are based on the Canadian Ambient  
14 Air Quality Standards, announced by the Government of Canada in 2017 (CEPA 2017) for the year 2020.  
15 The Canadian Council of Ministers of Environment (2019) have stated that achievement of the Canadian  
16 Ambient Air Quality Standards is determined on an airshed and air zone basis, which cover broad  
17 geographical areas. They are regional ambient standards. They are not intended to be applied to  
18 individual projects and facilities and are not intended to be used as fence-line standards (CCME 2019).  
19 Rather, they are used by provinces and territories to guide air zone management actions intended to  
20 reduce ambient concentrations below the Canadian Ambient Air Quality Standards and prevent Canadian  
21 Ambient Air Quality Standards exceedances. Regulatory agencies have expressed an interest in  
22 referencing objectives other than the Air Quality Objectives in this assessment. Specifically, they are  
23 interested in referencing the Canadian Ambient Air Quality Standards for other years.

24 For this assessment the LAA and RAA are equivalent. Two LAAs and RAAs were established for this  
25 assessment. One centered on the project marine terminal facility and covers 40 km by 40 km square  
26 area. The second is 3 km in both directions along the marine shipping route. The pollutants considered in  
27 this assessment include the following criteria air contaminants: nitrogen dioxide, sulphur dioxide,  
28 respirable particulate matter, and carbon monoxide.

29 Local air quality measurements in the Village of Kitimat for all criteria air contaminants and averaging  
30 periods are below the Air Quality Objectives, indicating air quality in the Village of Kitimat is generally  
31 good most of the time. Prevailing winds from areas over the Pacific Ocean and sparsely populated land to  
32 the south have little influence from industrial and other emission source, bringing clean air into the Kitimat  
33 Valley. Locally, industrial sources can negatively affect air quality in the Kitimat Valley, however the  
34 prevailing winds confine the influence of industrial emission sources to the west side of the valley, away  
35 from urban populations. Further afield, dispersed emissions have less of an effect on air quality.

36 Baseline concentrations including existing and approved sources were predicted using dispersion  
37 modelling. Understanding the existing air quality conditions is important to determine the incremental  
38 change in concentrations as a result of the Project. As the major industrial emission sources were  
39 modelled in the base case and the modelling is inherently conservative no background concentrations.  
40 This approach was taken to avoid double counting contributions from major existing sources. Base Case

1 dispersion modelling shows all criteria air contaminants below the Air Quality Objectives except for  
2 sulphur dioxide and respirable particulate matter attributed to the Rio Tinto aluminum smelter.

3 At the project marine terminal facility, it is proposed to continuously operate natural gas fired equipment,  
4 including a heater, thermal oxidizer, a boiler, and a flare. Emission levels are small for the Project as a  
5 key mitigation of obtaining electrical power from the BC Hydro grid will be implemented therefore requiring  
6 no onsite power generation. As a result of the operation of the proposed equipment, it is likely that  
7 residual effects of increased criteria air contaminants will occur. Predicted concentrations of the criteria air  
8 contaminants for the operation of the Project were determined using dispersion modelling. All criteria air  
9 contaminants are predicted to be below the Air Quality Objectives for the project-alone and effects are  
10 predicted to occur in the immediate vicinity (less than 1 km) of the marine terminal facility.

11 When project emissions are added to the base case emissions (existing and approved), results are very  
12 similar to the base case predicted concentrations. The Project has a negligible to very small incremental  
13 effect on predicted concentrations of the base case points of maximum impingement. The dispersion  
14 modelling results for the application case show a small increase to maximum predicted concentrations  
15 compared to the base case. Where project-alone predicted concentrations add 0%, 0.09%, 0.7% and 0%  
16 of nitrogen dioxide, sulphur dioxide, respirable particulate matter, and carbon monoxide, respectively.  
17 Therefore, the magnitude of residual effects on air quality from operation emissions in combination with  
18 existing and approved facilities is low. The extent of residual effects is limited to within the LAA and RAA  
19 and to the vicinity of the Project (less than 1 km).

20 Along the marine shipping route, it is expected that every 7 to 10 days, one LNG carrier and two escort  
21 tugboats will travel from near Triple Islands to the project marine terminal facility. The plume behaviour  
22 study shows how emissions from an LNG carrier and tugboats disperse as it travels along the shipping  
23 route. Predicted nitrogen dioxide and sulphur dioxide concentrations are well below the Air Quality  
24 Objectives in communities near Triple Islands and Hartley Bay. The dispersion modelling predicts that  
25 emissions from LNG carrier and tugboats transiting the shipping route will not persist at a location for an  
26 extended duration. The magnitude of the residual effects from the LNG carrier and tugboats is negligible  
27 (i.e., no measurable change). The extent of residual effect is limited to within the shipping LAA and RAA  
28 and to the vicinity of the LNG carrier and tugboats.

## 29 **E6.2 Acoustic**

30 The acoustic assessment considered the effect of increased noise levels such as annoyance, sleep  
31 disturbance, as well as low frequency noise at identified residential noise sensitive receptors. Noise  
32 effects from construction include noise from the construction of marine terminal and transmission line.  
33 Noise effects from the operation include potential noise effects from the FLNG facility itself as well as from  
34 shipping activities (i.e., tugboats and LNG carriers while at the site as well as along the shipping route  
35 until Triple Islands). All these potential effects are assessed under one effect: "increased noise". The  
36 assessment of this noise effect was guided by the British Columbia Noise Control Best Practices  
37 Guideline (OGC 2021) and Guidance for Evaluating Human Health Impacts in Environmental  
38 Assessment: Noise (Health Canada 2017).



1 The provincial and federal noise guidance requires noise be assessed at sensitive receptors near the  
2 Project. Twenty-nine receptors were identified and include residences, a daycare, a hospital, and  
3 traditional land use areas, active and passive recreation areas. Existing noise levels at these receptors  
4 were established based on a combination of regulatory guidance and noise studies undertaken for  
5 previous projects.

6 To assess the effects of the Project, noise models for project construction and operation were developed  
7 using Cadna/A. While noise emissions are expected during the decommissioning phase, these emissions  
8 are expected to be similar or lower when compared to noise during the construction phase and were  
9 hence not individually modelled. Because project noise is expected to vary during both construction and  
10 operation, worst-case scenarios were assessed for both. In addition, conservative assumptions were  
11 used in the models. For example, all construction equipment was assumed to operate at the same time,  
12 and the Project was assumed to operate 24 hours per day during operation.

13 Model outputs, in combination with existing noise conditions, were compared to both provincial and  
14 federal regulatory guidelines. Although noise is expected to increase in the study area, with nearby  
15 receptors being affected to a greater extent than more distant receptors, both predicted construction and  
16 operation noise levels meet the relevant regulatory guidelines.

## 17 **E6.3 Vegetation Resources**

18 Vegetation resources have been identified as a valued component to be assessed for the Project. Cedar  
19 has assessed four categories of potential effects to vegetation resources that may result from  
20 construction, operation, or decommissioning of the Project: change in abundance of plant species of  
21 interest, change in abundance or condition of ecological communities of interest, change in wetland  
22 functions, and change in native vegetation health and diversity due to air emissions. Plant species of  
23 interest include plant species at risk (vascular and non-vascular plants and lichens), traditional use plants,  
24 invasive plant species. Ecological communities of interest include ecological communities at risk and old  
25 forest.

26 Vegetation resources are assessed within the marine terminal LAA and RAA for all potential effects  
27 except for change in native vegetation health and diversity due to air emissions, which is assessed within  
28 the air emissions LAA and RAA. The marine terminal LAA includes the areas anticipated to be disturbed  
29 within the Project Area and transmission permitting corridor plus a 120 m buffer. The marine terminal RAA  
30 includes the areas to be disturbed within the Project Area and transmission permitting corridor (termed  
31 project footprint) plus a 1 km buffer. The acidification and eutrophication LAA is based on air quality  
32 dispersion modelling results, encompassing the outermost boundary where modelled empirical critical  
33 levels or screening thresholds are exceeded. The air emissions RAA is the air dispersion modelling  
34 domain and is 40 km by 40 km in area.

35 The marine terminal RAA and LAA are situated in an existing disturbed context, particularly in the eastern  
36 portions. Disturbed anthropogenic area accounts for 16% of the marine terminal RAA and 6% of the  
37 marine terminal LAA, which includes industrial facilities near Kitimat such as Rio Tinto's aluminum  
38 smelter, the LNG Canada Export Terminal Project, urban/suburban areas, and roads. Much of the low  
39 elevation areas of the marine terminal RAA and LAA have been logged in the past 50 years and are  
40 fragmented by logging roads. Second growth vegetation characterizes much of the marine terminal RAA.  
41 Ecological communities in the marine terminal RAA support upland and wetland communities. Most of the  
42 landscape of the marine terminal LAA consists of upland forest (85%), primarily on steep slopes. Steep,



1 well-drained slopes throughout the marine terminal LAA limit wetland formation; therefore, wetlands  
2 occupy a relatively small area of the marine terminal LAA (3%).

3 The majority of the ecosystem types in the air emissions LAA are forested (low elevation upland and  
4 montane; 62%), with the remainder floodplain, wetland, alpine and parkland ecosystems, and vegetated  
5 anthropogenic units (i.e., transmission line, pipeline). Old forest, which is more likely to contain abundant  
6 arboreal lichen, comprise 14% of the air emissions LAA. Ecosystems with greater likelihood to contain  
7 abundant ground lichen are found in 14% of the air emissions LAA.

8 The Project is predicted to change the abundance of plant species of interest by directly reducing the  
9 abundance of 23 traditional use plants found in the project footprint and by potentially increasing the  
10 extent of the four invasive species present in the marine terminal LAA. Plant species at risk are not  
11 predicted by be affected, as no *Species at Risk Act*, red- or blue-listed vascular plants, non-vascular  
12 plants or lichens have been identified within the marine terminal RAA. The Project is predicted to change  
13 the abundance of plant species of interest by directly reducing 3.8 ha of blue-listed ecological  
14 communities and 12.3 ha of old forest, which will be lost due to project construction. Change in wetland  
15 functions is predicted through the direct loss of 0.6 ha of wetland communities and their associated  
16 hydrological, biogeochemical (including carbon sequestration), and habitat functions (including wildlife).

17 With regards to project air emissions effects on native vegetation health, an increase of 73.6 ha (1.4%  
18 increase in the exceedance area from baseline) of vegetated area is predicted to exceed the empirical  
19 critical level of sulphur dioxide, including 10.4 ha of bog and 14.0 ha of old forest ecosystems that have a  
20 greater likelihood of containing lichens. An increase of 76.2 ha (1.5% increase in the exceedance area  
21 from baseline) of vegetated area is also predicted to exceed calculated critical loads of acidity.

22 Cedar has incorporated avoidance measures directly into project design: the terrestrial footprint of the  
23 Project has been reduced by locating project components on the FLNG terminal and air emissions from  
24 project operation have been reduced through use of the BC Hydro electric power grid. Cedar has  
25 committed to mitigation measures that will avoid or reduce residual adverse effects on vegetation  
26 resources, which include delineating clearing boundaries prior to site preparation, use of windthrow  
27 management strategies such as edge stabilization techniques in areas of old forest, and use of standard  
28 best practices to prevent and control the spread of invasive plants, and erosion and sediment control.

29 With the proposed mitigation measures in place, the Project is anticipated to have low magnitude adverse  
30 residual effects on vegetation resources associated with construction, operation and decommissioning  
31 activities of the marine terminal and supporting infrastructure (land-based) and transmission line (right-of-  
32 way and access roads). The losses due to the transmission line are expected to be reversible and losses  
33 due to with marine terminal and supporting infrastructure (land-based) are expected to be irreversible  
34 because the project footprint will be decommissioned to support future uses. Potential adverse effects  
35 associated with sulphur dioxide emissions are reversible, however soil acidification effects (should they  
36 occur) may be irreversible following operation.

37 Similarly, the Project's contribution to existing cumulative effects is anticipated to be low magnitude. The  
38 marine terminal RAA has been subject to disturbances associated with harvesting and industrial buildup  
39 due to past and present (existing) projects and activities and the air emissions RAA has been subject to  
40 industrial emissions (demonstrated by base case modelling and documented for other projects). Overall  
41 cumulative effects are characterized as moderate magnitude for all potential effects except change in  
42 abundance of plant species of interest which is characterized as low magnitude. No substantial adverse  
43 cumulative residual effect for vegetation resources are predicted with the Project's proposed mitigation in

1 place and expected similar mitigation in place for other projects and activities. The long-term viability of  
2 plants and ecological communities of interest, including those of cultural or traditional importance, will  
3 persist in the marine terminal RAA and there will be no cumulative loss of wetland functions of  
4 ecologically important wetland because none occur in the project footprint. Cumulative effects of air  
5 emissions effects are not expected to affect the long-term viability of native plants (including lichens and  
6 mosses) which will persist in the air emissions RAA. A CEMP will be developed, in consultation with  
7 Haisla Nation, for the Project and will contain the mitigation measures presented in this assessment.

## 8 **E6.4 Wildlife**

9 Cedar has identified and assessed three categories of potential effects to wildlife that may result from  
10 construction, operation, or decommissioning of the Project: change in habitat, change in movement, and  
11 change in mortality risk. The assessment on wildlife was developed in consideration of species'  
12 conservation listings, management and recovery plans, and prohibitions described in relevant legislation,  
13 including the *Species at Risk Act*, the *Migratory Birds Convention Act*, and the *Wildlife Act*. Consultation  
14 and engagement with Indigenous nations, members of the working group, government agencies,  
15 stakeholders, and community members has been ongoing throughout the assessment process. The  
16 primary concerns raised during consultation were related to effects on migratory birds, effects of sensory  
17 disturbance on wildlife, and effects on marine birds due to an increase in LNG carrier vessels moving  
18 along the shipping route.

19 Spatial boundaries of the assessment were divided into two categories: marine terminal and shipping.  
20 The marine terminal assessment area encompasses the area where there is potential for the FLNG  
21 facility, marine terminal, and transmission line to interact with wildlife during activities and physical works  
22 associated with the construction, operation, and/or decommissioning phases. The shipping assessment  
23 area includes marine waters from Kitimat Arm to the BC Coast Pilot boarding station at Triple Islands and  
24 extends 10 km on each side of the shipping lane. For each of these categories, local and regional  
25 assessment areas were defined to assess potential project effects at two spatial scales.

26 Habitat for wildlife within the marine terminal assessment area include rocky shorelines bordered by  
27 productive coniferous forests of Sitka spruce, western hemlock, and amabilis fir. Riparian areas occur  
28 around watercourses and wetlands and often support black cottonwood, red alder, and dense shrub  
29 understories with salmonberry and skunk cabbage cover. The steep terrain rises up to subalpine and  
30 alpine areas that can hold snowpack well into the early summer months. The shipping assessment area  
31 provides habitat for a wide variety of marine bird species, including those that occur along shorelines  
32 (e.g., black oystercatcher), in nearshore waters (e.g., waterfowl, marbled murrelet), and in offshore,  
33 pelagic waters (e.g., Pacific loon).

34 Cedar selected the following key species and species groups to focus the assessment: grizzly bear,  
35 moose, pacific marten, bats (as a group), marbled murrelet, the old forest songbird community, the young  
36 forest songbird community, western toad, and coastal tailed frog. Marine birds are also included as a  
37 species group; due to the various habitat types that marine birds use in the marine environment, marine  
38 birds were grouped into the following: shorebirds, dabbling ducks, diving ducks, loons and cormorants,  
39 and alcids. The Project is predicted to change habitat by reducing the amount of suitable habitat for these  
40 key species and species groups, both directly (through vegetation removal) and indirectly (due to sensory  
41 disturbance, such as noise). Wildlife movement is also predicted to change through the alteration or  
42 impediment of wildlife movement due to physical barriers (e.g., fences), sensory disturbance (e.g.,



1 movement of LNG carriers along the shipping route), or vegetation removal (e.g., creation of gaps in  
2 vegetation that could act as perceived barriers for some species). Mortality risk for wildlife is predicted to  
3 increase during all project phases for terrestrial wildlife (e.g., through direct contact with machinery or  
4 vehicles, human-wildlife conflicts, transmission line strikes) and marine birds (e.g., birds can be attracted  
5 to artificial lights which can lead to increased mortality risk).

6 Cedar has committed to mitigation measures that will avoid or reduce residual adverse effects on wildlife,  
7 which include avoiding working within identified wildlife habitat feature buffers during sensitive timing  
8 windows, installing fences around onshore facilities to exclude wildlife and reduce potential for human-  
9 wildlife interactions during construction, and avoiding vegetation clearing and grubbing outside of the  
10 primary nesting period for migratory birds. Mitigation measures are generally considered to be effective in  
11 the short-term or medium-term; however, based on Cedar's understanding of the potential effects, there  
12 is high likelihood that residual effects will act on wildlife habitat, movement, and mortality risk. High  
13 likelihood of residual effects for change in habitat was identified for the construction phase (e.g., terrestrial  
14 habitat loss due to site preparation and clearing) and for the operation phase and decommissioning  
15 phases (e.g., sensory disturbance associated with LNG shipping during operation and during  
16 decommissioning activities), and these effects are predicted to be low to moderate in magnitude for all  
17 project phases. For change in movement, high likelihood of residual effects was identified for construction  
18 (e.g., movement of small-ranging wildlife species may be temporarily impeded), as well as for operation  
19 and decommissioning (e.g., presence of the right-of-way during operation; indirect effects on marine birds  
20 during marine transport of decommissioned infrastructure), and, overall, residual effects on movement are  
21 predicted to be low to moderate in magnitude. There is also high likelihood of residual effects for mortality  
22 risk during construction (e.g., accidental mortality of nesting birds or amphibians during site preparation  
23 and clearing), operation (e.g., human-wildlife conflict along project traffic routes; transmission line strikes),  
24 and decommissioning (e.g., risk of strikes between vessels used during decommissioning and marine  
25 birds). Residual effects on wildlife mortality risk are predicted to be low to moderate in magnitude for all  
26 project phases.

27 The Project will be constructed, operated, and decommissioned in an existing disturbed context. Cedar  
28 has reduced the need for a terrestrial footprint by using a FLNG design and much of the vegetation that  
29 will be removed during construction will be left to regenerate naturally after operation. Following the life of  
30 the Project it is predicted that habitat, movement, and mortality risk for wildlife will largely return to  
31 baseline conditions. The Project is not anticipated to result in a substantial adverse residual effect for  
32 wildlife because the Project is not predicted to cause or further contribute to the exceedance of a  
33 conservation-based threshold or threaten the long-term persistence or viability of species of management  
34 concern, or species of cultural or traditional importance.

35 The likelihood of cumulative residual effects is high for change in habitat, change in movement, and  
36 change in mortality risk. However, the magnitudes of cumulative residual effects for the change in habitat,  
37 change in movement, and change in mortality risk was predicted to range from low to moderate. The  
38 moderate classification was conservatively assigned because some cumulative effects were deemed to  
39 be permanent (e.g., presence of permanent road networks, direct removal of old forest to accommodate  
40 permanent anthropogenic features) and because many past, present, and reasonably foreseeable  
41 projects have resulted or are expected to result in conversion of habitat used by certain wildlife species  
42 (e.g., old forest used by marbled murrelet).



1 Project contribution to residual cumulative effects is predicted to range from low to moderate for change  
2 in habitat; the moderate classification was selected for terrestrial wildlife because there will be some  
3 permanent habitat loss for terrestrial key species and species groups (e.g., some habitat on private land  
4 may not be reclaimed after operation). The project contribution to residual cumulative effects is predicted  
5 to be low for change in movement because Cedar has reduced the need for new access roads, the  
6 transmission line will be maintained in a shrubby state which will enable most wildlife species to move  
7 freely across it, and LNG carriers will be moving along an established shipping route. The Project's  
8 contribution to change in mortality risk due is predicted to be low, with the exception of mortality risk of  
9 terrestrial wildlife, which was classified as moderate due, in part, to mortality risk for migratory birds during  
10 vegetation clearing and increased mortality risk for ungulates with increased roads and traffic. Mitigation  
11 measures for these potential effects are also likely to be effective. Overall, residual cumulative effects on  
12 wildlife are not anticipated to result in a substantial adverse residual effect for wildlife because cumulative  
13 effects are not predicted to cause or further contribute to the exceedance of a conservation-based  
14 threshold or threaten the long-term persistence or viability of species of management concern, or species  
15 of cultural or traditional importance.

## 16 **E6.5 Freshwater Fish**

17 The Project has considered the potential to affect freshwater fish and other aquatic resources through  
18 construction of land-based infrastructure and changes in surface water quality, stream flow, and fish  
19 habitat. Cedar has identified and assessed four potential effects to freshwater fish: change in surface  
20 water quality, change in fish habitat, and change in fish health or mortality risk. Freshwater fish have high  
21 cultural, ecological, economic, and recreational importance to Haisla Nation, other Indigenous nations,  
22 regulators, stakeholders, and the public.

23 The freshwater fish assessment areas intersect the watersheds of Beaver, Anderson, Moore creeks and  
24 unnamed tributaries to Douglas Channel. The Project's watercourse crossings are further upstream than  
25 most recorded fish presence data and known barriers to anadromous fish passage are present  
26 downstream of the Project on Anderson Creek and Moore Creek in areas with steeper gradients,  
27 cascades and waterfalls.

28 Cedar has incorporated avoidance measures directly into the project design: the gas-treatment, LNG  
29 production, and LNG storage and related infrastructure will be located on a FLNG facility, thereby limiting  
30 interaction with freshwater surface water. Riparian vegetation clearing is anticipated to be minimized  
31 where possible; large spans between transmission line structures will reduce the need for riparian  
32 clearing along the transmission line route. In addition, Cedar has committed to electrification of the  
33 Project to reduce potential acidifying and eutrophying emissions that may impact surface water.

34 The fish-bearing status has been confirmed at all watercourses that may interact with the Project; no  
35 instream works, channel realignments, or water withdrawals in fish-bearing watercourses are expected to  
36 occur for land-based infrastructure construction, including access road and transmission line crossings.

37 All watercourses within the marine terminal area are not fish-bearing, discharge directly to the ocean, and  
38 their realignment during facility construction is anticipated to be less than 750 linear metres (m<sup>2</sup>) total. The  
39 transmission line will intersect three fish-bearing watercourses and multiple small non-fish-bearing  
40 streams. However, no structures associated with the transmission line will be built within the riparian  
41 areas or below the high-water marks in any of these streams. With the implementation of the CEMP,  
42 which will include guidelines, best management practices, and mitigation measures to reduce sediment

1 and erosion during site preparation and while working in areas of exposed soil during construction,  
2 surface water quality levels are expected to remain within applicable water quality guidelines.

3 The only project residual effects carried forward to the cumulative effects assessment is the potential loss  
4 of riparian habitat and potential acidification of surface waters. The Project's contribution to these  
5 cumulative effects is low; however, the likelihood of residual cumulative effects on riparian habitat and  
6 acidification of surface waters is considered high because of the existing level of disturbance.

7 The Project is not anticipated to result in: death of fish by means other than fishing as per section 34.4; a  
8 harmful alteration, disruption or destruction of fish habitat under section 35; nor, the introduction of a  
9 deleterious substance in contravention of section 36 of the *Fisheries Act*.

## 10 **E6.6 Marine Resources**

11 Cedar has identified and assessed four potential effects pathways for marine resources that may result  
12 from construction, operation or decommissioning of the Project: change in habitat, change water quality,  
13 change in behaviour of fish or marine mammals, and change in fish or marine mammal injury or mortality  
14 risk. This assessment was developed in consideration of relevant regulations including the *Fisheries Act*  
15 and *Species at Risk Act*. Listed species' action plans, recovery strategies, management plans and  
16 recommended mitigations were also considered when relevant. Consultation and engagement with  
17 Indigenous nations, members of the working group, government agencies, stakeholders and community  
18 members has been ongoing throughout the assessment process. The primary concerns raised were  
19 related to underwater noise and marine mammals along the shipping route.

20 Spatial boundaries of the assessment were divided into two categories: marine terminal and marine  
21 shipping. The marine terminal assessment area encompasses the area where there is potential for the  
22 FLNG facility to interact with marine resources through all project phases and. The marine shipping  
23 assessment area includes marine waters from Kitimat Arm to the BC Coast Pilots Triple Islands boarding  
24 station and extends 10 km on each side of the shipping lane. For each of these categories, local and  
25 regional assessment areas were defined to assess potential project effects at two spatial scales.

26 In total, less than 50 m<sup>2</sup> of marine habitat will be permanently lost as a result of the installation of piles to  
27 support the anchor block for the marine terminal and to support the proposed small craft jetty. In addition,  
28 shoreline armouring and riparian vegetation clearing will alter habitat along 360 m of Kitimat Arm. This  
29 habitat is located in the high intertidal zone and the amount/type of habitat altered is unlikely to affect  
30 sensitive life stages or the long-term persistence of marine fish populations. To place this disturbance into  
31 context, Douglas Channel is approximately 85 km in length with the only shoreline development occurring  
32 in Kitimat and Kitimaat Village. During pile driving, there is the potential for increased total suspended  
33 solids concentrations in the water that could affect water quality, behavioural changes in fish and marine  
34 mammals due to underwater noise and injury or mortality risk for fish that may be buried or crushed by  
35 the pile itself. During shipping activities, there is the potential for behavioural changes to fish or marine  
36 mammals through underwater noise and injury or mortality risk to marine mammals through vessel  
37 strikes.

38 Cedar has committed to mitigation measures that will avoid or reduce residual adverse effects on marine  
39 resources. After implementation of these mitigation measures there is a low likelihood of residual effects  
40 to marine habitat and water quality and the likelihood of residual effects for changes in behaviour and  
41 changes in injury or mortality risk ranges from low to high. High likelihood of residual effects for changes  
42 in behaviour was identified for the operation phase as a result of underwater noise, but these effects are

1 predicted to be low in magnitude. For changes in injury or mortality risk, high likelihood of residual effects  
2 was identified for the construction of marine-based infrastructure such as piles that may crush or bury  
3 marine organisms, as well as decommissioning where the removal of piles may result in mortality of  
4 sessile or slow-moving invertebrates that have colonized the piles. In addition, the likelihood of residual  
5 effects for changes in injury or mortality was considered high for the operation phase where water intakes  
6 may cause impingement or entrainment of marine fish.

7 Cumulative residual effects from the Project have a high likelihood for change in habitat, change in  
8 behaviour, and change in injury or mortality risk. However, the magnitudes of cumulative residual effects  
9 for the change in habitat and change in injury or mortality risk are low, whereas the magnitude for change  
10 in behaviour was deemed moderate. This moderate classification was conservatively assigned due to the  
11 presence of *Species at Risk Act*-listed species in the area (e.g., North Pacific humpback whales and  
12 Northern resident killer whales), even though the magnitude of effect is considered low.

13 Project contribution to residual cumulative effects is predicted to be low for change in habitat and change  
14 in water quality due to the minimal habitat alteration and minimal overlap between potential water quality  
15 effects from other projects. Mitigation measures for these potential effects are also likely to be successful.  
16 Project contribution to residual cumulative effects for change in behaviour and change in injury or  
17 mortality risk range from low to high depending on the phase of the Project. For example, the potential for  
18 cumulative effects due to change in behaviour from shipping noise will be low during construction, but  
19 moderate during operation, and the potential for cumulative effects due to change in behaviour from pile  
20 driving activities will be moderate during construction but low during operation.

## 21 **E6.7 Employment and Economy**

22 Potential effects of the Project on employment and economy during all project phases (construction,  
23 operation, and decommissioning) include change in regional employment, change in regional business,  
24 and change in regional economy. Primary issues raised through consultation and engagement were the  
25 equitable distribution of project benefits, project effects on cost-of-living, barriers to employment and the  
26 availability of local labour.

27 The LAA encompasses communities with the greatest potential to experience effects (positive or adverse)  
28 of direct project demand for infrastructure and services and effects of project-related changes in  
29 population. This includes the following Statistics Canada census subdivisions and census agglomerations  
30 (CAs): Kitamaat 2, Kitamaat Village (Kitamaat 2), District of Kitimat, Terrace CA (this includes the City of  
31 Terrace, Kitimat-Stikine E regional district electoral area and Kulpasai 6), Kitselas 1, and Kitsumkalum 1.  
32 The RAA includes the LAA, as well as Kitimat Stikine Electoral Areas C and E and North Coast Regional  
33 District Electoral Areas A and C.

34 The Project is located in the North Coast Economic Region in the Regional District of Kitimat-Stikine  
35 within Haisla Nation traditional territory and the boundaries of the District of Kitimat. The Project is  
36 approximately 70 km southwest of the City of Terrace. Within the economic region employment is largely  
37 dependent on oil and gas, forestry, mining, transportation, tourism and construction. In 2016, the LAA  
38 labour force was 13,350 persons (54.5% male, 45.5% female), comprised of 2,530 persons (53.0% male,  
39 47.0% female) of Indigenous identity (19.0% of the total labour force). The LAA unemployment rate was  
40 11.3% (up from 9.7% in 2011), 4.6 percentage points greater than the provincial average of 6.7%. At  
41 18.6% (down from 23.1% in 2011) the unemployment rate among the LAA's Indigenous labour force is



1 notably higher than the overall LAA average (11.3%) but similar to, albeit a little higher than, the provincial  
2 unemployment rate of the Indigenous labour force (14.0%).

3 Over the past decade, fluctuations in economic activity related to increased interest in LNG, mining and  
4 construction have resulted in increases in housing prices, decreases in vacancy rates and labour  
5 shortages. With the regional LNG industry failing to materialize in 2016 and 2017, housing prices  
6 decreased, rental unit vacancy rates increased, and the labour market loosened. Since 2018, the positive  
7 final investment decision by joint venture participants in the LNG Canada Export Terminal Project and  
8 commencement of that project's construction, in addition to other major projects such as the Coastal  
9 GasLink Project, economic activity in the RAA has increased. The City of Terrace is the economic hub of  
10 the region providing services to residents of LAA communities and other parts of northwest British. Major  
11 employers in the RAA include LNG Canada and its prime contractor JGC Fluor BC LNG JV, Coastal  
12 GasLink, School District 82, and Northern Health Authority.

13 Economic modelling completed for the Project suggests that 561 fulltime equivalents of direct labour  
14 could be created in British Columbia over the Project's four-year construction phase and 270 fulltime  
15 equivalents of annual direct labour during its 40-year operation phase. Average annual labour income  
16 associated with direct fulltime equivalents is estimated at \$88,203 and \$87,105, respectively. Based on  
17 this and preliminary workforce planning, Cedar anticipates that an average workforce size of 230 to 315  
18 persons, peaking at 350 to 500, will be required to construct the Project. The average annual workforce  
19 size over the Project's 40-year operation life span is estimated at 100 persons with turnaround workforces  
20 (required every 3 to 5 years) also estimated at 100 persons. Early estimates suggest that the  
21 decommissioning workforce could peak between 100 to 150 persons. Given existing conditions, project  
22 demand for labour is expected to exceed local supply and as such a non-local workforce will be required  
23 to satisfy a percentage of labour demand.

24 While an estimate of local hire has not been prepared, mitigation and enhancement measures will be  
25 implemented to increase local content and reduce employment and income inequity within the Project's  
26 workforce. Some of the mitigation measures that Cedar has committed to include: implementing a Gender  
27 Equity and Diversity Policy focused on increasing project employment among underrepresented  
28 populations in construction and oil and gas industries; developing work packages that consider the  
29 capability and capacity of local and regional business; identifying skill and training gaps in the local labour  
30 force and working with the Haisla employment department, local and regional indigenous employment  
31 centres, local and regional training and education facilities and communities to gain skills and training  
32 required for project-related employment; and providing on-the-job training programs and apprenticeship  
33 opportunities. Despite mitigation and enhancement measures, it is likely that a large percentage of the  
34 Project's workforce (construction and operation, including turnarounds) will be comprised of non-  
35 Indigenous males (based on existing conditions). Mitigation and enhancement measures are also not  
36 expected to measurably reduce employment and income inequality in the LAA or RAA.

37 Project spending on materials, goods and services, and consumer spending on the part of the Project's  
38 workforce, will have a beneficial effect on LAA businesses. It is also estimated to result in 453 fulltime  
39 equivalents of indirect labour and 230 fulltime equivalents of induced labour in British Columbia over the  
40 Project's four-year construction period and 175 fulltime equivalents of annual indirect labour and 93  
41 fulltime equivalents of annual induced labour over its 40-year operation life. The degree to which LAA and  
42 RAA businesses will benefit from project contracting and supply opportunities throughout the Project's  
43 lifecycle depends on several factors, including their size, capability, and capacity to accommodate project  
44 requirements.



1 Despite increased regional spending, net new employment (indirect and induced) would only be created  
2 where businesses expand or become established to respond to increased regional spending. Based on  
3 existing conditions and given current natural gas and LNG industry activity, the LAA is expected to have a  
4 well-established supply chain able to respond to project demands (specialized goods, materials and  
5 services are expected to be sourced from outside the RAA). While an estimate of regional spend has not  
6 been prepared, mitigation and enhancement measures will be implemented that aim to increase local  
7 content with specific attention paid to increasing participation among underrepresented groups (e.g.,  
8 Indigenous-owned businesses).

9 Project spending will also result in positive effects to the regional economy. Based on preliminary  
10 estimates the Project could result in \$257 million in gross domestic product contributions over the four-  
11 year construction phase and \$85 million annually over the 40-year operation phase of the Project. Tax  
12 contributions from project spending during the four-year construction period are estimated at \$4.6 million  
13 for the federal government, \$19.4 million for provincial governments (\$17.2 million for the province of  
14 British Columbia) and \$7.7 million for municipal governments (\$5.8 million for those in British Columbia).  
15 Over the 40-year operation life of the project tax contributions from annual spending are estimated at  
16 \$2.4 million for the federal government, \$7.0 million for provincial governments (\$5.6 million for the  
17 Province of British Columbia), and \$4.2 million for municipal governments (\$2.6 million for those in British  
18 Columbia). Neither gross domestic product or tax contributions at the LAA level have been estimated;  
19 however, increased economic activity and tax revenues is inherently beneficial to the economy of the LAA  
20 and local and regional governments. To increase benefits of the Project, mitigation and enhancement  
21 measures will be implemented with the aim of increasing local content and positive economic impacts.

22 Because average annual direct wages (\$88,203 per fulltime equivalent during construction and \$87,105  
23 per fulltime equivalent during operation) are expected to be greater than existing employment income  
24 (mean of \$56,201 per year in the LAA) it is possible that some local business may experience difficulty  
25 attracting and retaining skilled labour. This, combined with the possibility that project-related work could  
26 be viewed as more desirable than other forms of employment, could lead to increased competition for  
27 labour among LAA businesses. Despite this, given the Project's demand for labour relative to existing  
28 regional conditions (e.g., construction and operation of LNG Canada) and the 10-year labour market  
29 outlook for the North Coast and Nechako Region (9,900 jobs [not including the Project] are anticipated to  
30 be added by 2029), the Project is not expected to lead to wage inflation within the LAA.

31 While notable differences between existing wages and that of the Project's direct workforce could lead to  
32 increased competition for labour and upward pressure on wages, the extent to which local businesses  
33 would likely need to increase prices to cover increased labour costs is expected to be minor and as such  
34 the Project's contribution to inflated prices of consumables across the LAA is expected to be negligible.  
35 Implementing a hire local first policy, Cedar hopes to recruit most of its workforce (all phases) from LAA  
36 and RAA communities. Despite this, a non-local workforce will likely be required to fully satisfy the  
37 Project's demand for labour, especially for highly skilled positions. Given the relatively short duration of  
38 construction and turnarounds and the Project's relatively small operation workforce, incremental demand  
39 on housing and accommodations from non-local workers is not expected to measurably increase costs for  
40 housing and other forms of accommodation. As such, the Project is expected to have a negligible effect  
41 on the cost of housing and accommodations.

42 As the Project transitions from construction through decommissioning fluctuations in labour demand and  
43 project spending on materials, goods, and services will occur. Specifically, losses in project employment  
44 and spending will occur as the Project transitions from construction to operation and again following the



1 completion of decommissioning. Mitigating losses in employment is the earned labour income and gained  
2 skills and experience realized by workers while employed with the Project. For regional businesses,  
3 earned revenues and increased capacities and capabilities should prove beneficial in better positioning  
4 them to competitively respond to future opportunities in the LAA.

5 Overall, the Project is expected to have positive effects on regional employment, business and economy.  
6 Cedar will implement mitigation and enhancement measures to increase local and regional content (i.e.,  
7 positive effects); however, the extent to which workers and business participate in project-related  
8 opportunities (e.g., the extent to which local workers seek employment with the Project and local business  
9 participate in procurement opportunities) is largely external to Cedar. Cedar will continue to work with  
10 Indigenous groups and identified stakeholders to communicate project information, including employment  
11 and contracting opportunities, with the aim of increasing local benefits of the Project. Because the Project  
12 is not expected to have a residual adverse effect on regional employment, business or economy, further  
13 assessment of cumulative effects is not warranted.

## 14 **E6.8 Land and Resource Use**

15 The land and resource use valued component summarizes project residual effects on land and resource  
16 use, including private property and tenured land use and non-tenured land use. Tenured land use refers  
17 to an area of Crown land for which the government has granted rights to tenure holders to use the land  
18 (e.g., forestry, hunting/guide outfitting, trapping). Non-tenured land use (e.g., outdoor recreation, hiking)  
19 does not require the granting of these rights. The Project will interact with private property and Crown  
20 land areas used for both tenured and non-tenured land use activities. Effects on private property, tenured  
21 and non-tenured land and resource use are assessed as separate pathways, as there are legal  
22 protections and restrictions for private land and tenured resource use that are both assessed and  
23 mitigated differently (often require permissions) than non-tenured land use. The assessment also  
24 considers the potential for reduction in visual quality and subsequent effects to land users. (i.e., from  
25 project infrastructure and LNG carriers). Visual quality is the extent to which the aesthetic or scenic value  
26 of a landscape is altered compared to the pre-existing or natural condition.

27 The scope of the assessment of considered relevant provincial laws, regulations, and guidelines  
28 protecting land and resource use in British Columbia., spatial boundaries were established consisting of a  
29 project footprint (encompassing the physical footprint onsite [Project Area] and the 8 km transmission line  
30 right-of-way and access roads), the LAA (the physical extent of LAAs used for acoustics, freshwater fish,  
31 vegetation, and wildlife valued components), and RAA (defined as the Kalum Land and Resource  
32 Management Plan).

33 The Project is not expected to affect parks, ecological reserves, conservancy areas, or protected areas.  
34 The residual effects on private property use, including changes to access (i.e., new and upgrades to  
35 existing access roads), from construction are anticipated to be low magnitude and short-term in duration.  
36 The proposed 8 km long, 287 kV transmission line will affect two parcels of private property owned by Rio  
37 Tinto and Kitimat LNG. Cedar will enter into commercial agreements for use of the private land in  
38 advance of construction. The residual effects on private property, including changes to access in the  
39 operation phase are anticipated to be adverse, low magnitude, and medium-term in duration. Cedar will  
40 implement access management and traffic control measures to minimize effects.



1 The residual effects on tenured land use, including changes to access, from construction are expected to  
2 be adverse, negligible to low in magnitude, limited to the project footprint and LAA, and short-term in  
3 duration. Impacted tenure holders will be engaged, and Cedar will apply for a tenure for the transmission  
4 line right-of-way and a water lot tenure for the submerged Crown land for the marine safety zone.

5 Upgrades to existing access roads and clearing of new access roads associated with the transmission  
6 line corridor right-of-way has the potential to increase access to the area transected by these routes  
7 during operation. The residual effects on tenured land use, during operation are expected to be low in  
8 magnitude, limited to the project footprint and LAA, and medium-term in duration.

9 The residual effects on non-tenured (public or recreational) land use, including changes to access, from  
10 construction are expected to be adverse, low in magnitude, limited to the project footprint and LAA, and  
11 short-term in duration. The residual effects on non-tenured land use, during operation are expected to be  
12 low in magnitude, limited to the project footprint and LAA, and medium-term in duration.

13 The visual and noise disturbance effects from the Project's presence are anticipated to be medium-term  
14 in duration (i.e., for life of the facility), with low magnitude effects for all land users. Upon  
15 decommissioning, the effects are anticipated to be reversed upon site reclamation and revegetation and  
16 removal of FLNG facility. The Project will increase the amount of industrialized landscape within the LAA  
17 but will not change the overall visual character in the LAA, which has already been altered by waterfront  
18 developments (e.g., LNG Canada). With implementation of vegetative/ topographic screening, particularly  
19 along the transmission line corridor, the project footprint will not substantially stand out on the landscape.  
20 Upon decommissioning, the effects are anticipated to be reversed upon site reclamation and  
21 revegetation.

22 Effects from project lighting (i.e., sky glow, glare, light trespass) within the LAA are expected to be low to  
23 moderate. There are no sensitive receptors (i.e., residences) in the immediate vicinity of the project  
24 footprint. While the Project will increase the amount of facility lighting visible from Kitamaat Village, the  
25 distance to the Project Area and application of lighting mitigation measures will mitigate the adverse  
26 effects associated with glare, and light trespass, although sky glow effects from the Project are possible,  
27 particularly during low cloud overcast conditions. Because of the proximity of the Project to Kitamaat  
28 Village, some effects (i.e., visual quality/lighting) will be felt more by Indigenous people (Haisla Nation)  
29 than the general population. However, the potential effects are considered low to moderate in magnitude  
30 for this subpopulation.

31 There will be limited potential for adverse effects to current and future generations from proposed changes to  
32 tenured and non-tenured land and resource use because of the small effects on environmental and land  
33 use components on a local and regional basis. The Project does not conflict with established land use  
34 plans, policies or by-laws related to land use development. Land and resource use is anticipated to continue  
35 at current levels in the LAA and RAA because there are alternative lands available for recreational  
36 pursuits and activities, and alternative wildlife resources for hunting, outfitting, trapping, and fishing. The  
37 likelihood of residual effects occurring for private property, tenured land use, and non-tenured land use is  
38 low to medium (medium for access, medium for visual quality/light) based on existing conditions, project  
39 activities, physical works, and interactions, and the effectiveness of mitigation measures.

40 Other projects within the RAA that have the potential to cumulatively interact with the Project include  
41 industrial facilities, resource harvesting/extraction activities, marine terminal facilities, gas pipelines, and  
42 power transmission lines. The cumulative effects on land and resource use are not anticipated to occur at  
43 levels that degrade land and resource activities such that existing activities cannot continue within the  
44 RAA at current levels. None of the land and resource uses assessed are at a threshold level where

1 cumulative effects will substantially affect available capacity or quality of service provided on a persistent  
2 and ongoing basis. The cumulative effects are not expected to contravene established land use plans,  
3 policies or by-laws.

## 4 **E6.9 Marine Use**

5 Marine use has been identified as a valued component to be assessed for the Project as project-related  
6 activities have the potential to affect the navigation of commercial and recreational marine vessels and  
7 project shipping has the potential to affect commercial, recreational, and Indigenous fisheries as well as  
8 other marine uses, including marine recreation, tourism, and the aesthetic quality of the marine  
9 environment (e.g., noise and light levels). The assessment included consideration of relevant regulations  
10 including the *Canadian Navigable Waters Act*, *Canada Marine Act*, *Canada Shipping Act, 2001*, *Pilotage*  
11 *Act*, and *Fisheries Act*. Strategic marine planning resources and Indigenous nation marine plans were  
12 considered in addition to relevant regulations. The LAA for marine use includes waters where project  
13 marine activities have the greatest potential to adversely affect marine navigation and marine fisheries  
14 and other uses. The LAA encompasses waters surrounding the marine terminal plus confined channels  
15 (i.e., Kitimat Arm, Douglas Channel, and Principe Channel) along the marine shipping route and waters  
16 extending 6 km on both sides of the marine shipping route between Browning Entrance and the pilot  
17 boarding location at or near Triple Islands Pilotage Station. The RAA includes the LAA plus a 5 km buffer  
18 on each side where not confined by geography.

19 The RAA includes areas used for commercial, recreational, and Indigenous fisheries, mainly for salmon,  
20 groundfish, and invertebrates, that are important to the livelihoods of its local communities and  
21 Indigenous nations. Recreational marine users and tourists visit the RAA to enjoy the aesthetic quality of  
22 the marine environment. Several large marine vessels such as cruise ships and ferries have routes that  
23 intersect the Project's marine shipping route. BC Ferries and the Alaska Marine Highway System have  
24 services, which run year-round and intersect the Project's marine shipping route. Commercial vessels that  
25 frequently travel within the RAA and to and from the Port of Kitimat include barges, tankers, bulk carriers,  
26 and tugboats. Marine navigation is facilitated through the Canadian Coast Guard and its Marine  
27 Communications and Traffic Services.

28 The project marine terminal is located within Haisla Nation's tradition territory. The marine shipping route  
29 intersects or is in proximity to the traditional territories of Gitga'at First Nation, Gitxaala Nation, Kitselas  
30 First Nation, Kitsumkalum First Nation, Lax Kw'alaams Band, Metlakatla First Nation and Haida Nation.  
31 During consultation and engagement with Indigenous nations, the primary concerns raised were the  
32 effects of increased marine shipping traffic and associated wake effects on the harvesting of marine  
33 resources by Indigenous peoples along the marine shipping route. Other issues raised throughout the  
34 stakeholder and public engagement process included concerns related to the potential loss of fishing gear  
35 and the potential impacts to the aesthetic quality of the marine environment (i.e., changes to noise and  
36 light levels, changes to viewsapes) due to increased marine shipping.

37 Cedar has committed to mitigation measures, which are anticipated to reduce residual adverse effects on  
38 marine use. Mitigation measures were selected based on provincial and federal regulations and policies,  
39 on management practices and guidelines, and relevant peer-reviewed literature. Additionally, a review of  
40 previous TERMPOL (technical review process of marine systems and transshipment sites) reports for  
41 relevant projects in the region and a review of the draft North Coast Waterway Management Guidelines  
42 was done to inform mitigation measures. Additional measures will be discussed with Transport Canada  
43 during the development of the Marine Transportation Management Plan for the Project.

1 It is expected that every 7 to 10 days, one LNG carrier and two escort tugboats will travel from the BC  
2 Coast Pilots boarding station to the marine terminal. After the implementation of mitigation measures, the  
3 likelihood of residual effects on marine use due to the construction and operation of the marine terminal  
4 facility and increased project-related vessel traffic is expected to be low. Residual adverse effects on  
5 marine navigation and marine fisheries and other uses are anticipated to occur within the LAA and to be  
6 of low magnitude, short- to medium-term, and will be reversible once project operation ceases.

7 Indigenous communities may experience disproportionate effects on marine fisheries and other uses due  
8 to the locations of their commercial and food, social and ceremonial fisheries. Indigenous communities  
9 heavily rely on the marine environment and its resources for food, social and ceremonial purposes,  
10 including spiritual and economic development.

11 Cumulative residual effects on marine use from current shipping activities, the Project, and future  
12 shipping activities have a low to medium likelihood, will be of low to medium magnitude, long-term, and  
13 reversible once the Project's operation ceases. The implementation of mitigation measures will reduce  
14 the Project's contribution to adverse cumulative effects on marine use. Cedar will also participate in  
15 government-led initiatives with respect to cumulative effects on marine use in the region.

## 16 **E6.10 Infrastructure and Services**

17 Infrastructure and Services was selected as a valued component for the Project because project-related  
18 population growth may lead to increased demands on housing, utilities, health and emergency, and  
19 transportation infrastructure and services. The assessment examined the effects of the Project on:

- 20 • Change in infrastructure and services
- 21 • Change in accommodation availability
- 22 • Change in transportation infrastructure

23 The LAA encompasses communities with the greatest potential to experience effects (positive or adverse)  
24 of direct project demand for infrastructure and services and effects of project-related changes in  
25 population. This includes the following Statistics Canada census subdivisions and CAs: Kitamaat 2,  
26 Kitamaat Village (Kitamaat 2), District of Kitimat, Terrace CA (this includes the City of Terrace,  
27 Kitimat-Stikine E regional district electoral area and Kulpai 6), Kitselas 1, and Kitsumkalum 1. The RAA  
28 includes the LAA, as well as Kitimat Stikine Electoral Areas C and E and North Coast Regional District  
29 Electoral Areas A and C.

30 With respect to capacity of existing infrastructure and services in the RAA, concern has been expressed  
31 regarding the increasing amount of industrial waste that is being sent to the landfill as a result of large  
32 resource projects in the region, increasing demands on the health care system created by project labour  
33 forces, and adequate housing and childcare infrastructure among residents of Indigenous communities.  
34 Potential differential effects of the Project on subgroups were also raised as a concern during consultation  
35 and engagement.

36 With the application of mitigation and enhancement measures, including the use of existing work camps  
37 during project construction, and the implementation of project-specific management plans, such as those  
38 for waste, traffic, and an Emergency Management Plan that will require provision of onsite first aid and  
39 fire suppression equipment, the adverse residual effects on Infrastructure and Services are predicted to  
40 be low to moderate in magnitude, occur in the LAA over the short-term to long-term, and continuous.  
41 Effects are likely to be reversed following operation and decommissioning/closure.



1 Cedar will have the FLNG facility built in Asia, resulting in a smaller construction workforce in Kitimat (max  
2 500 workers), and will use a local hire and procurement policy during construction and operation, which  
3 will limit the increase in demand for local infrastructure and services created by non-local workers. This  
4 will also help mitigate adverse effects on infrastructure and services. The presence of industrial projects  
5 and project workers may result in positive residual effects on infrastructure and services through the  
6 production of revenue for some municipal services, such as recreation, which can increase the capacity  
7 for investment in local infrastructure and services, which will benefit LAA residents. An increase in the  
8 population of the LAA can lead to improvements in utilities by the municipalities to serve more people, as  
9 well as an increase in housing developments and transportation infrastructure.

10 Residual effects of the Project are anticipated to interact cumulatively with the effects of other projects  
11 within the RAA if they overlap temporally. Based on available information, the Project will likely overlap  
12 temporally with operation of the LNG Canada Export Terminal Project, which will require a peak operation  
13 workforce of 700. Should the Kitimat LNG Project proceed and occur at the same time as project  
14 construction, the population of the RAA could increase by up to 5,000 between 2022 and 2029. Cedar's  
15 project contribution to this would be a maximum of 500 workers during the construction phase (four  
16 years). With the application of mitigation and enhancement measures, cumulative effects on infrastructure  
17 and services are expected to be adverse, low to moderate in magnitude, short-term to long-term,  
18 continuous, and reversible.

19 Because the Project and project workers are likely to rely on infrastructure and services in the main  
20 service centres in the LAA (Kitimat and Terrace), Indigenous communities are less likely to experience  
21 adverse effects of the Project on housing and other infrastructure and services. However, those groups  
22 that already experience challenges in accessing infrastructure and services in these larger centres may  
23 be more adversely affected than other groups by the increased competition for housing resulting from a  
24 project-related temporary increase in the population.

## 25 E6.11 Human Health

26 Human health is a valued component because project-related chemical emissions to the environment and  
27 non-chemical hazards (e.g., noise, electromagnetic fields) could pose an adverse health risk to people. In  
28 general, people are exposed to chemicals in the air, soil, water, and biota (e.g., consuming country  
29 foods). If project activities result in chemical emissions to the environment, people may be exposed to  
30 these chemicals, resulting in an increased degree of health risk.

31 The assessment of human health included a review of project construction, operation, and  
32 decommissioning activities to determine their potential to affect air quality, soil and sediment quality,  
33 surface water and groundwater quality, and the quality of country foods (i.e., wild plants, wild meat, and  
34 seafood). In the context of human health, *quality* refers to the chemical content that can be empirically  
35 measured in a chemical analytical laboratory or predicted from modelling, and does not include other  
36 metrics (e.g., aesthetic quality). The review of project-activities concluded that there were no project-  
37 related chemicals of potential concern in the soil, sediment, surface water, groundwater, and country  
38 foods. The electromagnetic field along the proposed transmission line right-of-way was not identified as a  
39 human health hazard. Project-related emissions of air contaminants and noise were identified as having  
40 potential to affect human health. Therefore, effects from air quality and noise were the focus of the human  
41 health valued component. The assessment applied Health Canada's risk assessment guidance which  
42 uses thresholds that are protective of the sensitive/vulnerable portions of the population. As a result, the



1 thresholds are protective of the entire population and there are no disproportionate effects that require  
2 consideration through a GBA+ assessment.

3 For air quality, project-related emissions of sulphur dioxide, nitrogen dioxide, and fine particulate matter,  
4 were assessed for short-term (i.e., 1-hour to 24-hours) and long-term (i.e., chronic) health effects. Overall,  
5 the project contribution of air contaminants to the airshed is small relative to naturally occurring and  
6 nearby industrial sources. The assessment results indicate no unacceptable project-related health risks  
7 from the inhalation of air contaminants. This includes people near the Project Area during construction  
8 and operation, and people living along the shipping route during operation.

9 Project construction and operation noises (including shipping noise) was assessed for potential effects to  
10 human health. For daytime noises, the increase in the percent of highly annoyed people during  
11 construction and operation around the Project Area was predicted to be lower than the threshold of 6.5%  
12 for people living in Kitimat, Kitamaat Village, Hartley Bay, and the LNG Canada workforce  
13 accommodation camp known as the Cedar Valley Lodge. For nighttime noises, planning for construction  
14 activities during daytime hours (0700 to 2200) mitigates for potential sleep disturbance effects to  
15 residents. During the operation phase, the predicted noise levels from the FLNG facility and marine  
16 vessels was predicted to be less than the noise limits for sleep disturbance.

17 The assessment of human health concludes that there are no substantial adverse effects to human health  
18 from project-specific or cumulative effects.

## 19 **E6.12 Heritage**

20 Cedar has identified and assessed the potential for the Project to affect heritage resources through the  
21 loss of information about or alteration to site contents or context from tree clearing and ground  
22 disturbance during the Project's construction phase. The assessment on heritage was developed in  
23 consideration of British Columbia's *Archaeological Impact Assessment Guidelines* and Fossil  
24 Management Framework, as well as relevant legislation including the federal *Impact Assessment Act* and  
25 provincial *Environmental Assessment Act*, *Heritage Conservation Act* and *Land Act*. Consultation and  
26 engagement with Indigenous nations, members of the working group, government agencies,  
27 stakeholders, and community members has been ongoing throughout the assessment process. The  
28 primary concern raised during consultation was related to potential changes in the use and integrity of  
29 sacred and culturally important sites and landscape features.

30 Spatial boundaries of the assessment are defined as corresponding local and regional assessment areas  
31 which consist of the area where clearing and/or ground disturbance may occur for the Project and  
32 transmission line corridor during the construction phase. The heritage assessment area is in the  
33 traditional territory of the Haisla Nation and the Northwest Coast culture area as defined by the  
34 Archaeology Branch, Ministry of Forests, Lands, Natural Resource Operations and Rural Development.  
35 Potential effects on heritage resources are expected to be fully mitigated prior to or during construction  
36 and are thus not considered for the operation or decommissioning phases of the Project.

37 A desktop review of historic places, a desktop paleontological review and a field-level archaeological  
38 impact assessment (preceded by a desktop review of available archaeological records and the current  
39 biogeoclimatic setting of the assessment area) were undertaken to determine existing conditions for  
40 heritage resources. No historic places or fossil sites are recorded in the heritage assessment area and  
41 the paleontological potential is negligible as it consists of igneous rock. There are seven previously  
42 recorded archaeological sites in the heritage assessment area, all comprised of culturally modified trees.



1 Two additional culturally modified tree sites were recorded in the assessment area during the project-  
2 specific archaeological impact assessment. Areas of moderate to high potential for the presence of buried  
3 archaeological resources were subject to subsurface testing during the archaeological impact  
4 assessment, all yielding negative results. Traditional knowledge provided by the Haisla Nation through  
5 project-specific consultation and traditional use study did not identify any site-specific issues or areas of  
6 concern associated with heritage resources. However, information provided by the Haisla Nation speaks  
7 to the more than 9,000 years of occupation of their territory and the array of land and resource use over  
8 that time which informed the evaluation of heritage resource potential by demonstrating the Haisla  
9 Nation's intimate, extensive and long-term use of the assessment area.

10 Cedar has committed to mitigation measures that will avoid or reduce project effects on heritage, which  
11 include avoidance of known heritage sites, consultation with the Haisla Nation on heritage sites,  
12 systematic data recovery of heritage resources, and adhering to the Project's CEMP and chance find  
13 procedure to address any unknown heritage resources that may be encountered during construction.  
14 Mitigation and enhancement measures were selected based on provincial and federal regulations and  
15 policies, on management practices and guidelines, and relevant peer-reviewed literature.

16 There are no formal thresholds for determining the value of heritage resources as a single,  
17 comprehensive valued component. Instead, site-specific evaluation is conducted. For any heritage  
18 resource sites recorded within the assessment area, and any unrecorded heritage resources that may be  
19 identified in the assessment area during further field study, the provincial regulator will review the  
20 assessment of heritage resource sites, consider concerns identified by Indigenous groups during the  
21 engagement process, and determine appropriate mitigation measures, as warranted.

22 Although the Ministry of Forests, Lands, Natural Resource Operations and Rural Development makes the  
23 final determination if the loss of a site would represent a significant adverse effect, Cedar commits to  
24 fulfilling all requirements for field assessment and mitigation required by the Project under the *Heritage*  
25 *Conservation Act* and *Land Act*. With this commitment and with project-specific avoidance or mitigation of  
26 known or chance find sites having heritage value, as specified by the Ministry of Forests, Lands, Natural  
27 Resource Operations and Rural Development and/or the Haisla Nation, and with the implementation of  
28 the CEMP and chance find procedure, the Project is not anticipated to have residual effects on heritage  
29 resources as a valued component.

30 After implementation of the mitigation measures identified above, as necessary, and engagement with the  
31 Haisla Nation, no residual project effects on heritage resources are anticipated. Therefore, there is no  
32 requirement to consider the potential for cumulative effects to heritage.

### 33 **E6.13 Greenhouse Gas Emissions**

34 Greenhouse gas emissions have been identified as a topic to be addressed for the Project; however, they  
35 are not assessed as a valued component in accordance with the EAO Effects Assessment Policy  
36 Version 1. The relevant project GHGs include carbon dioxide, methane, and nitrous oxide. The GHG  
37 emissions considered in this assessment include direct emissions, indirect (i.e., acquired) energy  
38 emissions, and upstream emissions.



1 Federal, provincial, and sectoral reduction targets have been set to meet Canada's climate change  
2 commitments. In accordance with the EAO Effects Assessment Policy Version 1, the assessment  
3 provides information about project emissions and how they may affect provincial GHG reduction targets.  
4 The assessment also considers the Strategic Assessment of Climate Change, published by Environment  
5 and Climate Change Canada.

6 Direct GHG emissions are those released during construction because of fuel combustion in construction  
7 vehicles and equipment, as well as blasting. The Project Area as well as the transmission line right-of-way  
8 will be cleared for the construction, so emissions will also arise because of a change in land use. During  
9 operation, GHG emissions will be released from stationary combustion equipment (e.g., an acid gas  
10 thermal oxidizer, flares), and from marine vessel movements. Acquired energy GHG emissions include  
11 those associated with electricity consumption during the construction and operation phases. During  
12 operation, grid electricity will meet 100% of the operation power demand.

13 Project GHG emissions will be addressed by implementing a GHG management strategy. The primary  
14 mitigation measure is using grid electricity to meet project power needs, rather than generating power  
15 onsite through fossil fuel combustion. BC Hydro has a low GHG emission intensity for power production,  
16 which will make the Project one of the lowest GHG intensity LNG facilities in the world. Other GHG  
17 mitigation measures include:

- 18 • Manage vehicle and equipment emissions by conducting regular maintenance
- 19 • Comply with the British Columbia Oil and Gas Commission Flaring and Venting Reduction Guideline
- 20 • Reduce earthworks and vegetation clearing due to the project gas processing and LNG storage being  
21 located on the FLNG facility
- 22 • Equip the Project with fire and gas detection to repair gas leaks as they are identified

23 Canada's National Inventory Report indicates that in 2019 Canada emitted about 730 million tonnes  
24 carbon dioxide equivalent of GHG emissions. Of that, 191 million tonnes were emitted by the Canadian oil  
25 and gas sector. British Columbia reported 65.7 million tonnes carbon dioxide equivalent for the same  
26 year. Of the 65.7 million tonnes carbon dioxide equivalent, 13.7 million tonnes carbon dioxide equivalent  
27 were emitted by the British Columbia oil and gas sector.

28 Using the 2019 Canada, British Columbia, and Canadian sector (oil and gas) GHG emission totals as a  
29 baseline, the direct annual project operation emissions of 215,700 tonnes CO<sub>2</sub>e per year represent 1.57%  
30 or less of the baseline emissions. The net annual project operation emissions, which include both direct  
31 emissions and acquired energy GHG emissions, are 274,294 tonnes CO<sub>2</sub>e per year.

32 The Project is expected to annually emit direct GHG emissions representing 0.042% of the Government  
33 of Canada's 2030 GHG emission reduction target. Further, the Project may contribute 0.57%, 0.86%, and  
34 1.72% to the Government of British Columbia's 2030, 2040 and 2050 emission reduction targets,  
35 respectively, during operation. When compared to the 2030 sectoral reduction target for Oil and Gas in  
36 British Columbia, the Project is likely to annually emit GHG emissions representing 2.28% to 2.47% of the  
37 reduction target during operation.

38 The Project meets the criteria for an upstream emissions assessment.

39 The Project is consistent with the objectives of the First Nation's Climate Initiative, which supports  
40 reconciliation and net-zero LNG development in British Columbia.

## 1 **E6.14 Biophysical Factors**

2 An ecosystem is a geographic area where organisms and the physical environment interact through  
3 nutrient cycles and energy flows. Ecosystems are dynamic and contain biotic factors such as plants and  
4 animals, and abiotic factors such as climate and surficial materials that interact with each other. For the  
5 purpose of this summary, the ecosystems of interest that interact with the Project are old forest, marine  
6 and intertidal, freshwater and wetlands. The Project is in the Kitimat Ranges Ecosection of the Coastal  
7 Gap Ecoregion, and the shoreline and marine shipping route is in the Inner North Coast Fjords  
8 Ecosection of the Pacific Shelf Ecoregion. The landscape contains young to old forest, wetlands, streams  
9 and riparian areas, and marine and intertidal habitats that are connected through seasonal movements  
10 and dispersal of animals (e.g., grizzly bear movements between spring, summer, and fall foraging areas)  
11 and hydrological and nutrient cycles (e.g., Anderson, Moore, and Beaver creeks flow through forest,  
12 connect wetlands, and enter the marine environment).

13 Biophysical factors are direct or proxy measures used to assess changes in ecosystem function as a  
14 result of a project. The three key biophysical factors that were selected to assess project effects on  
15 ecosystem function and how they interact with the Project include:

- 16 • **Habitat diversity and structural complexity:** The Project may affect habitat diversity and complexity  
17 through changes in vegetation communities (e.g., removal of old forest) and changes in habitat  
18 suitability for certain wildlife species and species groups.
- 19 • **Habitat connectivity:** The Project may affect habitat connectivity through changes in vegetation  
20 communities (e.g., removal of old forest), changes in riparian areas along the transmission line and  
21 drainages, and along the shipping route due to movement of LNG carriers (e.g., presence of carriers in  
22 marine mammal migration corridors).
- 23 • **Water:** The Project may affect water quality or supply due to work in and around streams and  
24 wetlands, disturbance of riparian areas, or construction in and around the marine environment.

25 As detailed in assessments for applicable biophysical valued components, construction, operation, and/or  
26 decommissioning of the Project is expected to result in changes to aspects of key biophysical factors that  
27 support ecosystem function. Habitat diversity and structural complexity could be affected by vegetation  
28 clearing, particularly where clearing will occur in mature and old forest; habitat connectivity could be  
29 affected by construction activities near and within watercourses, around the marine terminal area that will  
30 be fenced during construction and operation, and along the marine shipping route; and water quality  
31 could be affected if contaminants from equipment and/or physical activities access water. Cedar has  
32 completely avoided some effects on key biophysical factors with careful project design, which was  
33 designed using an innovative design philosophy that fits the facility into the local environment. Cedar's  
34 decision to propose a FLNG facility, which will hold infrastructure for natural gas treatment, LNG  
35 production, and LNG storage, substantially reduced the size of the terrestrial footprint that would  
36 otherwise be needed for an onshore LNG facility. The reduced terrestrial footprint therefore reduces  
37 effects on terrestrial vegetation and wildlife and freshwater fish and their inherent ecosystem functions.  
38 The magnitude of potential residual effects were further reduced by committing to mitigation and  
39 enhancement measures, such as reducing direct effects from clearing on vegetation, implementation of  
40 standard best practices to prevent and control the spread of invasive plants and using natural  
41 regeneration or active reclamation to restore temporary workspace.

1 With the Project's design and implementation of proposed mitigation and enhancement measures, and in  
2 context of existing development and activities, adverse effects on ecosystem function are predicted, but  
3 low in magnitude. No substantial adverse residual effects on key biophysical factors that support  
4 ecosystem function are predicted to occur because many effects are not predicted to exceed  
5 conservation-based thresholds or threaten the long-term persistence or viability of species at risk or  
6 species of cultural or traditional importance. Further, many effects are reversible and for those that are  
7 expected to extend beyond the life of the Project (e.g., effects to bog wetlands), the area of disturbance is  
8 relatively small in the context of the RAA (e.g., area of bog wetland that will be disturbed accounts for  
9 1.3% of the marine terminal RAA for vegetation resources).

10 The Kitimat area has a concentration of existing industries, and several future projects are planned for the  
11 area, including the Pacific Trail Pipeline and the Kitimat LNG terminal in Bish Cove. Residual effects of  
12 the Project are expected to contribute to cumulative effects on key biophysical factors that support  
13 ecosystem function. For example, project effects are expected to act cumulatively with the effects of past,  
14 current, and future projects by contributing 40.6 ha of disturbance to vegetation communities and 0.4 ha  
15 of disturbance to riparian habitat in the riparian reserve zone of fish-bearing watercourses, thus reducing  
16 effective habitat for key wildlife species and increasing mortality risk for marine mammals. Potential  
17 residual cumulative effects are described in more detail in the cumulative effect assessments for each  
18 applicable biophysical valued component.

19 With the Project's design and implementation of proposed mitigation and enhancement measures, and in  
20 context of existing development and activities, adverse effects on ecosystem function are predicted, but  
21 low in magnitude. Similarly, cumulative effects on ecosystem function are predicted in consideration of  
22 current and future projects and activities in the region but low in magnitude with the implementation of  
23 guidance from the North Coast Regional Stewardship Forum and Indigenous Marine Use Plans,  
24 legislative requirements, standard operating procedures, and industry standard best management  
25 practices.

## 26 **E6.15 Human and Community Well-Being**

27 Human and community well-being has been considered from a holistic perspective, acknowledging that it  
28 can be connected to the biophysical environment, that it is experienced at the individual, family,  
29 social/cultural group and community level, and that it may be experienced differently by different groups in  
30 a community. The environmental and socio-economic assessment for the Project considered potential  
31 project effects on factors that influence human and community well-being. These included: Social  
32 Determinants of Health including employment, income, housing, health services, crime, and education;  
33 physical environmental factors including air quality, noise, and the accumulation of chemicals in country  
34 foods; and cultural factors including Indigenous interests (for Indigenous nations defined by section 11  
35 Order) related to consumption and harvest, the use and integrity of sacred and culturally important sites  
36 and landscape features and traditional Indigenous governance.

37 The Project is anticipated to have both positive effects and adverse affects on human and community  
38 well-being. It will provide jobs, contracting and other economic opportunities for Haisla Nation members,  
39 members of other local Indigenous nations, and the region. The Project will create direct, indirect and  
40 induced employment opportunities for all project phases. Employment opportunities will have positive  
41 effects on health and well-being through increased income, health benefits and improved mental health.  
42 These positive effects will be most apparent for those who have been unemployed or underemployed.



1 To distribute positive economic effects to those who would disproportionately benefit (Indigenous  
2 peoples, women), Cedar will implement a Gender Equity Diversity Policy, employ strategies to increase  
3 procurement opportunities for local and Indigenous businesses, and require its contractors to have local  
4 content plans. The Project is not expected to lead to wage inflation within the LAA, which reduces the  
5 potential for adverse effects on food security and income inequity, which can adversely affect human and  
6 community well-being.

7 Because the FLNG facility for the Project will be constructed at a shipyard in Asia, it reduces potential  
8 adverse socio-economic and health effects associated with the in-migration of a large temporary  
9 workforce into Kitimat. As some non-local workers will be required to fill both supply needs for the  
10 construction workforce in Kitimat (peak workforce of up to 500) and specialized roles, Cedar will  
11 implement mitigation strategies to manage potential adverse effects on social determinants of health,  
12 including: housing non-local workers at local worker accommodation lodges to reduce adverse effects on  
13 housing; implementing a Code of Ethics, Respectful Workplace, and Alcohol and Drug Policy and cultural  
14 awareness training to reduce adverse effects on community cohesion and safety; the provision of onsite  
15 first-aid and primary care support to employees to reduce adverse effects on local health services; and  
16 engagement with the community to develop and implement a feedback tool to respond to community  
17 concerns and complaints.

18 For potential health effects associated with changes to the natural environment and access to public  
19 lands for recreation and traditional/cultural purposes, Indigenous nations are differentially affected. Effects  
20 are predicted to be of low to moderate magnitude and reversible. Mitigation measures to manage effects  
21 include direct engagement with Indigenous marine and land users to communicate project activities and  
22 schedule, and adherence to transportation guidelines, including the North Coast Waterways Management  
23 Guidelines (2021). Cedar will implement various industry standard mitigation measures to reduce effects  
24 on local land users in the Kitimat area including access and lighting control measures. The electrification  
25 of the Project reduces air emissions. Standard mitigation measures will be used to further reduce air  
26 emissions of contaminants of potential concern. Residual health effects including sleep disturbance and  
27 annoyance from noise, are anticipated to be low, as modeled noise levels are all below regulatory  
28 guidelines.

29 The Project will have positive and low-level adverse effects on health and community well-being. It will  
30 create jobs and economic opportunities for Haisla Nation members, members of other local Indigenous  
31 nations, and the region, that will result in positive effects on health. The implementation of mitigation  
32 measures and project design features (which minimize both the size and potential effects from the non-  
33 local temporary workforce), will reduce potential adverse effects on health and community well-being.  
34 Cedar will engage with the community and local and regional health service providers to address health-  
35 related concerns.

## 36 **E6.16 Indigenous Interests**

37 Cedar has assessed effects on the interests of the Indigenous nations identified in the section 11 Order.  
38 Based on its scope, setting and scale, the Project has the potential to interact with the rights of  
39 Indigenous nations as recognized and affirmed by section 35 of the *Constitution Act, 1982* (i.e., Aboriginal  
40 rights). The physical components of the Project are located entirely within the traditional territory of Haisla  
41 Nation, and the land-based components within the Project Area are on private, fee-simple lands owned  
42 by Haisla Nation. Potential direct effects from the physical components of the Project would therefore



1 occur in the traditional territory of Haisla Nation. Potential effects along the shipping route may extend to  
2 the traditional territories of Haisla Nation, Kitselas First Nation (including Kitselas First Nation's area of  
3 interest), Kitsumkalum First Nation, Gitga'at First Nation, Gitxaala Nation, Lax Kw'alaams Band, and  
4 Metlakatla First Nation. Potential effects along the shipping route may also occur in areas used for  
5 sustenance, social, and ceremonial purposes by Métis Nation British Columbia. Potential effects along  
6 the shipping route are not anticipated to affect Haida Nation interests, as Haida territorial waters are  
7 located approximately 24 km west of the shipping route; however, an assessment of Haida Nation  
8 interests was conducted for the Project. The Project has the potential to impact Indigenous interests  
9 related to consumption and harvest, governance, the use and integrity of sacred and cultural sites, and  
10 other Nation-specific interests (e.g., access and travel, cultural identity) of the identified Indigenous  
11 nations.

12 Through Cedar's engagement activities, potentially affected Indigenous nations have been requested to  
13 provide feedback with respect to potential impacts of the Project on their interests. Indigenous nations  
14 have also been provided the opportunity to validate the information sources used to compile the baseline  
15 data, and to review the draft effects assessment chapters of interest to each Nation prior to application  
16 submission. The outcomes of Cedar's engagement with Indigenous nations are incorporated throughout  
17 the assessment. Potentially affected Indigenous nations have also been offered the opportunity to  
18 prepare project-specific studies (e.g., Traditional Use and Occupancy Studies, Indigenous Land Use  
19 Studies, socio-economic studies) and other reports that the Nations have deemed important for  
20 consideration in the assessment of effects on Indigenous interests. At the time of writing, however,  
21 several project-specific Nation-led studies have not been completed. Cedar will continue to engage  
22 potentially affected Indigenous nations regarding the completion of their project-specific studies.  
23 Information provided by the Indigenous nations following submission of the Application will be reviewed in  
24 the context of the environmental assessment, to verify findings of the environmental assessment and to  
25 incorporate any changes into project planning, as appropriate.

26 Cedar has committed to mitigation and enhancement measures, which are anticipated to avoid or reduce  
27 residual adverse effects on Indigenous interests as well as ongoing engagement throughout construction  
28 and the operation life of the Project. Cedar also considered the benefits (i.e., positive effects) of the  
29 proposed Project to Indigenous nations whose traditional territories and areas of interest overlap with the  
30 Project. There is a high likelihood that the Project will result in measurable residual effects on the  
31 identified Indigenous interests. Based on the existing conditions within the LAAs, the scope and scale of  
32 project activities and physical works, and the effectiveness of project-specific mitigation and enhancement  
33 measures, including management plans developed through Cedar's ongoing engagement with the  
34 Indigenous nations, the Project is expected to result in moderate magnitude residual effects in the LAAs.

35 Existing environmental conditions reflect cumulative effects on the environment from past and present  
36 projects and physical activities. Past and present projects and physical activities that have been or are  
37 being carried out have also influenced the existing conditions for Indigenous interests. Anthropogenic  
38 land uses such as private land conversion, forest harvesting, oil and gas production, and linear  
39 development (e.g., roads, pipelines, utilities) have altered the current regional landscape and have  
40 contributed to an existing cumulative effect on each Indigenous nation's interests in the RAAs.

41 Residual cumulative effects for changes to Indigenous interests are predicted to be moderate in  
42 magnitude and long-term in duration. With mitigation, contribution of the Project to residual cumulative  
43 effects on Indigenous interests is expected to be low because effects will be largely reversible and occur  
44 within the established shipping route. However, residual effects of past, present and reasonably

1 foreseeable future projects and physical activities combined with the predicted residual effects of the  
2 Project are anticipated to be irreversible for Indigenous nation members who have already experienced  
3 alienation and dispossession from areas in throughout their territory as these experiences are likely to  
4 increase in the future rather than decrease and require regional initiatives and programs to be addressed.  
5 Cedar has identified its willingness to collaborate with the Indigenous nations in government-led initiatives  
6 with respect to cumulative effects on marine navigation and marine fisheries which may assist with  
7 reducing further perceptions of barriers and alienation from territorial waters in the region. Ongoing  
8 engagement with the Indigenous nations in development of the Marine Transportation Management Plan  
9 is expected to further reduce adverse residual project and cumulative effects on Indigenous interests.

10 Overall, cumulative effects from past, present/in-progress, and reasonably foreseeable future projects in  
11 combination with the Project are predicted to adversely affect Indigenous interests due to changes in  
12 consumption and harvest, the use and integrity of sacred and cultural sites, governance, other Nation-  
13 specific interests (e.g., access and travel, cultural identity), and Aboriginal title and rights. While mitigation  
14 measures implemented for the Project and other marine development projects in the Project Area and  
15 marine shipping route will reduce the magnitude, extent, and duration of residual cumulative effects, there  
16 is a high likelihood of project contributions to adverse residual cumulative effects on Indigenous interests.

## 17 **E6.17 Contributions to Sustainability**

18 Section 22(1)(h) of the *Impact Assessment Act* requires the impact assessment of a designated project to  
19 take into account the extent to which the designated project contributes to sustainability. Section 2 of the  
20 *Impact Assessment Act* defines sustainability “the ability to protect the environment, contribute to the  
21 social and economic well-being of the people of Canada and preserve their health in a manner that  
22 benefits present and future generations”. This definition of sustainability fully aligns with the values of  
23 Haisla Nation and the goals of their Comprehensive Community Plan—which are integrated into the site  
24 selection, engineering design, and planning of the Project. By using an innovative design philosophy that  
25 fits the facility into the local environment, the Project will reduce the impact to the local community and  
26 environment. To support this objective, Cedar used biophysical and socio-economic information collected  
27 for other projects in Kitimat and undertook project-specific biophysical field programs to gain a strong  
28 understanding of habitats within and adjacent to the Project’s footprint and incorporated this into the site  
29 selection and engineering design. For example, the Project is sited on the location of an old log sort within  
30 District Lot 99, which reduces effects on wildlife habitat and marine resources. The use of electricity to  
31 power the liquefaction trains reduces air emissions, GHG emissions, and acidification/eutrophication  
32 effects.

33 The provincial and federal assessment processes have required Cedar to assess and mitigate potential  
34 adverse effects and assess and enhance positive effects. A well-functioning ecosystem is important to the  
35 sustainability and health of vegetation communities, fish, and wildlife. As detailed in assessments for  
36 applicable biophysical valued components, construction, operation, and/or decommissioning of the  
37 Project is expected to result in changes to aspects of key biophysical factors that support ecosystem  
38 function. Cedar has completely avoided some effects on key biophysical factors with careful project  
39 design and has reduced the magnitude of residual effects by committing to mitigation and enhancement  
40 measures. Conclusions made in the assessments of biophysical valued components acknowledge the  
41 anticipated effects of the Project; however, with the application of mitigation and enhancement measures,  
42 no substantive adverse residual effects on key biophysical factors that support ecosystem function are  
43 predicted to occur. This is because many residual effects are small in both geographic extent and



1 magnitude, and are not predicted to exceed conservation-based thresholds or threaten the long-term  
2 persistence or viability of species at risk or species of cultural or traditional importance.

3 The assessment of effects of the Project on human and community well-being, as well as effects on  
4 current and future generations, incorporates mitigation and enhancement measures, and concludes that  
5 effects to current generations are mainly low to moderate and reversible upon project decommissioning. It  
6 is predicted that the Project will generate long term positive effects to future generations associated with  
7 employment, income and tax contributions that can be invested in local, provincial and national  
8 economies to reinvest in health care, education, infrastructure and other programs. Adverse project  
9 effects on well-being and infrastructure and services in the region caused by a change in the local  
10 population will be managed through Cedar's mitigation and enhancement measures, including recruiting  
11 local workers, to the extent possible, using third-party work camps for the non-local workforce when  
12 available, and providing medical facilities at the Cedar site. Mitigation measures for the Project have been  
13 selected based on existing best practices, standards, codes, laws, and bylaws applicable to LNG  
14 developments in British Columbia and Canada. With the implementation of these mitigation measures, it  
15 is the opinion of the assessment team and Cedar that the Project is able protect the environment, will  
16 contribute to the social and economic well-being of the people of Canada, and will preserve the health of  
17 residents in both the LAA and RAA in a manner that benefits present and future generations.

## 18 E7.0 Malfunctions and Accidents

19 By constructing and operating in accordance with the relevant regulatory requirements, recognized best  
20 practices and technologies for achieving safety in LNG facility design and operation will be incorporated  
21 into the Project. While Cedar will adopt design standards to ensure the safe construction and operation of  
22 the Project, it is acknowledged that there are inherent risks associated with construction and operation of  
23 all major projects. In the context of this assessment, malfunctions are defined as unplanned events  
24 resulting from equipment or infrastructure failure. Accidents in this assessment are defined as unplanned  
25 events that result from human error. Specific scenarios that are assessed in the accidents and  
26 malfunctions section address the requirements of the AIR and were informed by relevant standards and  
27 regulations, including the Liquefied Natural Gas Facility Regulation under the *Oil and Gas Activities Act*.  
28 The following potential malfunctions and accidents were considered in the Application:

- 29 • Loss of containment of LNG from the FLNG facility
- 30 • Spills of hazardous materials (not including LNG)
- 31 • Fires or explosions
- 32 • Emergency LNG production unit shutdown (including emergency flaring)
- 33 • LNG carrier grounding, collisions and allisions
- 34 • FLNG allisions

35 All applicable legislation, regulations, codes, and standards will be adhered to in development of the  
36 Project. Specifically, the front end engineering design process will incorporate engineering approaches  
37 and mitigations to prevent or contain spilled materials as part of the LNG facility permit process, and  
38 standard construction best management practices will be employed to prevent and respond to spills.  
39 During the preliminary front end engineering design and FEED, a key component of developing



1 prevention and containment measures is modelling the potential release of the credible spill scenarios  
2 identified during the hazard identification process that could result in a major accident hazard as part of  
3 the quantitative risk assessment, including releases of natural gas liquids and the refrigerants from their  
4 equipment and storage within the FLNG facility. Cedar will design the Project in accordance with the  
5 Liquefied Natural Gas Facility Regulation under *the Oil and Gas Activities Act*, CSA Z276 (Liquefied  
6 natural gas [LNG] — Production, storage, and handling), CSA EXP276.2 (design requirements for near-  
7 shoreline floating liquefied natural gas [FLNG] facilities), the British Columbia Building Code (as  
8 applicable), and District of Kitimat bylaws (as applicable). Mitigation measures will reduce the likelihood  
9 and consequence of a loss of containment of LNG from the FLNG facility. Cedar will prepare an  
10 emergency management program for operation in accordance with CSA Z246.2 (emergency  
11 preparedness and response for petroleum and natural gas industry systems) and the Emergency  
12 Management Regulation under the *Oil and Gas Activity Act*, as amended from time to time.

13 There is a strong marine safety regulatory framework in Canada that is intended to prevent groundings,  
14 collisions and allisions. The *Canada Shipping Act, 2001* establishes a legislated framework that promotes  
15 marine transportation safety and therefore protects the public and marine environment from damage  
16 resulting from shipping activities. This includes navigational safety aids to prevent groundings (e.g.,  
17 buoys, lights, radar reflectors), collision-prevention devices (e.g., compasses, radar, emergency steering),  
18 hull construction standards for strength and stability, fire detection and extinguishing system  
19 requirements, and construction standards and inspection protocols for vessels carrying pollutants. The  
20 *Pilotage Act* and Pacific Pilotage Regulations establish compulsory pilotage requirements for non-  
21 pleasure craft vessels over 350 gross tonnes transiting British Columbia waters. Additional mitigation  
22 measures, such as the development of a Marine Transportation Plan, will be implemented to prevent and  
23 mitigate any impacts in the unlikely event of an LNG carrier grounding, collision or allision.

24 Cedar is committed to continuous improvement and, during the design process, will refine the 2021  
25 quantitative risk assessment in accordance with the Liquefied Natural Gas Facility Regulation for key  
26 activities to support design and preparation of the emergency management program during the permitting  
27 phase of the Project. As more detailed design information is incorporated into the quantitative risk  
28 assessment, analysis will be undertaken to identify key plausible scenarios in which an LNG release  
29 could occur. Additional mitigation measures may be brought forward following the quantitative risk  
30 assessment and incorporated into design and construction. This is expected to include the delineation of  
31 a safety zone during loading of LNG carriers.

32 The likelihood of each of the malfunctions or accidents evaluated is rated rare or unlikely based on the  
33 regulatory framework, design standards, and operation protocols that apply to the LNG and shipping  
34 industries. As a result, none of these incidents are predicted to occur during the life of the Project. In the  
35 event that one of these malfunctions or accidents does occur, the majority of potential effects were  
36 expected to last for a period of days. Only a spill of bunker fuel would result in effects that could last up to  
37 five years. The potential of both a spatial and a temporal overlap of this effect with effects from other  
38 projects and activities, in the Cedar Project Area or along the shipping route, is also considered unlikely.

## E8.0 Effects of the Environment on the Project

As outlined in Section 10.0 of the AIR and pursuant to section 22(1)(j) of the *Impact Assessment Act*, the Project must assess the potential effects of the environment on the Project. Mitigation measures, if required, will focus on engineering design solutions that will allow the proposed infrastructure to withstand or adapt to current and future predicted environmental conditions and events. This section provides an analysis of how external conditions may impact the Project including major operation activities, and how mitigation will be applied to promote resilience in the infrastructure.

There are several possible external environmental stressors that have the capacity to influence the Project, including:

- Climate change
- Extreme weather, including:
  - Extreme temperatures
  - Precipitation
  - Flooding
  - Wind and waves
- Seismic events and tsunamis
- Geohazards
- Forest fires

Cedar's design philosophy is to fit the Project into the local environment to minimize the impact to the local community and environment. This includes designing a facility and associated infrastructure to mitigate - and where possible avoid - the predicted effects of climate change in the region. The Project will be designed in accordance with the Liquefied Natural Gas Facility Regulation under the *Oil and Gas Activities Act*, CSA Z276 (LNG - Production, storage, and handling), CSA EXP276.2 (Design requirements for near shoreline FLNG facilities), the British Columbia Building Code (as applicable), District of Kitimat bylaws (as applicable), and CSA Z246.2 (Emergency preparedness and response for petroleum and natural gas industry systems). These local and national codes and standards have been developed to include best practices from global LNG and facility construction and operation to prevent impacts from weather events and prevent impacts from the environment. The Project will be built and operated to withstand anticipated extreme weather events for the region—including extreme temperatures, precipitation, flooding, wind, and waves—based on applicable return periods for each of the environmental factors established through legislation, standards, bylaws or engineering best practices. By using the most recent versions of these codes and standards, and best practices for climate change resilience, for the design of buildings, stormwater conveyance systems, and marine terminal infrastructure, many of the potential impacts of climate change will be avoided or reduced. As an example, the Project will also be designed to withstand the 2,475-year return period seismic event in accordance with CSA Z246. Additionally, Cedar will prepare an emergency management program for operation in accordance CSA Z246.2 and the Emergency Management Regulation under the *Oil and Gas Activity Act*, as amended from time to time.



1 The combination of engineering design standards and resilience planning that is expected to occur during  
2 engineering design and throughout the lifetime of the Project is expected to prevent damage to marine  
3 and land infrastructure or adverse impacts operation because of an increased frequency and/or severity  
4 of storms or higher sea levels, seismic events, geohazards or forest fires.

## 5 E9.0 Summary of Mitigation and Enhancement 6 Measures

7 Measures to manage potential effects on the selected valued components for this Application are  
8 organized into two groups: 1) project design, and 2) mitigation and enhancement measures developed for  
9 the applicable valued components. Both the project design and mitigation and enhancement measures  
10 work collectively and are aligned with the Province of British Columbia's mitigation hierarchy of avoid,  
11 minimize, restore onsite, and (if necessary) offset. In general, the Project has been designed to avoid  
12 adverse effects to the environment, communities, and distinct human populations. Enhancement  
13 measures have also been considered to maximize positive effects to communities and distinct human  
14 populations, where applicable. Where adverse effects are unavoidable, mitigation measures have been  
15 included to reduce or minimize these effects. Consideration has also been given to use of previously  
16 disturbed areas during site selection of the marine terminal as well as routing of the transmission line. It is  
17 anticipated that offsetting will not be required.

18 Although assessments for valued components are presented in separate sections of the Application,  
19 many mitigation and enhancement measures are shared among two or more valued components  
20 because valued components are inherently connected within the functioning ecosystem. Each valued  
21 component in this Application includes a discussion of potential mitigation measures to be applied. A  
22 consolidated table of mitigation and enhancement measures for each valued component is provided in  
23 Appendix A of the Application.

24 With the implementation of the selected mitigation measures identified in Appendix A of the Application,  
25 the Project is anticipated to reduce the likelihood of many residual effects to valued components. The  
26 Project has been designed to avoid the need for freshwater and marine offsetting measures. In cases  
27 where the proposed mitigation measure does not reduce the effects to an acceptable level, Cedar will  
28 work with Indigenous nations, government agencies and stakeholders to accommodate these  
29 considerations through the Application Review process.

## E10.0 Summary of Follow-up and Monitoring

A follow-up or monitoring program is designed to verify the accuracy of this Application's predictions and determine the effectiveness of the measures implemented to mitigate the adverse environmental effects of the Project. Follow-up is considered where there is uncertainty in a predicted effect or uncertainty in the effectiveness of a proposed mitigation measure to adequately avoid or reduce a predicted effect. Where follow-up is proposed, the following steps are taken:

- Measures to evaluate the accuracy of the original effects prediction are identified
- Measures to evaluate the effectiveness of proposed mitigation are identified
- An appropriate strategy is proposed that would apply in the event that original effects predictions or mitigation effectiveness are not as expected. This strategy includes reference to further mitigation, involvement of key stakeholders, Indigenous nations, government agencies and any other measures deemed necessary to manage the issue.

The Project will develop and implement a CEMP that will describe any monitoring programs related to valued components and outline monitoring and reporting specified in conditions of approval in any permits or approvals issued to Cedar for construction.

If the Project is granted an Environmental Assessment Certificate by the Province of British Columbia, Cedar will be required to meet legally binding conditions attached to the certificate, overseen by the EAO and partner agencies. The Impact Assessment Agency of Canada also requires that commitments in the Minister of Environment's Decision Statement are adhered to, overseen by the Impact Assessment Agency of Canada. Both the province and Canada can inspect works, issue advisories or warnings, and implement a range of potential sanctions such as stop work orders and fines to ensure proponents are adhering to their conditions.

## E11.0 Conclusions

The Application has assessed the effects of the Project on 12 valued components, the interests of 9 Indigenous nations, and 6 other factors specified by the *Impact Assessment Act* and British Columbia *Environmental Assessment Act*. The scope of the assessment considered concerns and issues raised through Cedar's consultation and engagement with regulatory agencies, Indigenous nations, stakeholders, and the public. The Indigenous nations that have been consulted as part of the Application development are identified in the section 11 Order and consist of: Haisla Nation; Gitga'at First Nation; Gitxaala Nation; Kitselas First Nation; Kitsumkalum First Nation; Lax Kw'alaams Band; Metlakatla First Nation; Haida Nation; and Métis Nation British Columbia.

The design of the Project was directly influenced by the values of Haisla Nation and the objective to minimize adverse effects on the local environment and maximize socioeconomic benefits. Design approaches incorporated into the Project to reduce potential environmental effects include:

- Development of the Project as a FLNG facility which minimizes the size of the footprint and reduces effects on wildlife habitat and vegetation resources
- Locating the Project on the location of an old log sort District Lot 99, which reduces effects on wildlife habitat and marine resources



- 1 • Situating the Project in the northern portion of District Lot 99 which avoids effects of an unnamed  
2 stream and minimizes impacts to marine resources
- 3 • Using electricity to power the liquefaction trains which reduces air emissions, GHG emissions, and  
4 acidification/eutrophication effects
- 5 • Using air cooling (rather than seawater cooling), which reduces impacts to marine resources and  
6 marine water quality
- 7 • Using a strut mooring system to permanently moor the FLNG facility, which reduces impacts to marine  
8 resources

9 Socio-economic and community benefits of the Project include providing jobs, contracting and other  
10 economic opportunities for Haisla Nation members, members of other local Indigenous nations, and the  
11 region. The construction of the FLNG facility overseas will reduce adverse socio-economic and health  
12 effects associated with the in-migration of a large temporary workforce into Kitimat. Local employment  
13 opportunities during all phases of the Project will have positive effects on health and well-being through  
14 increased income, health benefits and improved mental health. These positive effects will be most  
15 apparent for those who have been unemployed or underemployed. Revenues from the Project will also  
16 allow Haisla Nation to implement its economic and social development strategy, which is expected to  
17 have benefits extending to future generations.

18 Each valued component section of the Application provides a detailed evaluation of project interactions,  
19 proposed mitigation and enhancement measures, and the potential for residual and cumulative effects.  
20 Stand-alone assessments of effects on Indigenous interests were completed for Haisla Nation, Gitga'at  
21 First Nation, Gitxaala Nation, Kitselas First Nation, Kitsumkalum First Nation, Lax Kw'alaams Band,  
22 Metlakatla First Nation, Haida Nation, and Metis Nation British Columbia. The Lax Kw'alaams Band and  
23 Metlakatla First Nation assessments were completed directly by the Nations. Cedar wishes to work with  
24 each Indigenous nation to seek its free, prior, and informed consent for the Project in a manner consistent  
25 with the spirit and intent of United Nations Declaration on the Rights of Indigenous peoples and their  
26 constitutionally protected rights and interests. Engagement with each Nation has been ongoing since to  
27 provide updates regarding the project design as well as Cedar's approach to the environmental  
28 assessment process. Going forward, Cedar will continue to implement the same proactive approach to  
29 understand concerns and manage potential effects.

30 The Application describes how the requirements of subsection 22(1) and the reporting requirements for  
31 substitution outlined in subsections 33(1) and (2) of the *Impact Assessment Act* have been addressed for  
32 the Project. The mitigation measures developed to address the potential effects for each valued  
33 component in this Application also addresses the Impact Assessment Agency of Canada's requirements.  
34 These mitigation measures are considered appropriate to reduce or limit the extent of potential adverse  
35 effects, and Cedar considered the potential effects of the Project to be adequately addressed. Potential  
36 project and cumulative effects on Indigenous nations' rights and interests are addressed, where possible,  
37 through the mitigation measures described in Appendix A of this Application. Cedar is committed to  
38 continuing to engage with the section 11 Order Indigenous nations throughout the Application Review  
39 phases on identified potential adverse effects of the Project.

40 Mitigation measures to reduce or avoid adverse residual effects on the biophysical and socio-economic  
41 environment have been developed for the Project and are described for each valued component in  
42 Appendix A of the Application. A construction environmental management plan will be developed by  
43 Cedar to document how mitigation measures identified in this Application will be implemented during



1 construction. In addition, Cedar will apply for applicable permits, approvals and authorizations needed for  
2 construction, operation and decommissioning of the Project<sup>4</sup>. As appropriate, these applications will  
3 reflect the mitigation commitments made in the Application. Any conditions of approval related to  
4 monitoring and reporting will be incorporated into the Construction Environmental Management Plan.

5 With the implementation of the proposed mitigation and enhancement measures (summarized in  
6 Appendix A), adverse residual biophysical and socio-economic effects of project-related construction,  
7 operation and decommissioning are anticipated to be within acceptable levels for all valued components.

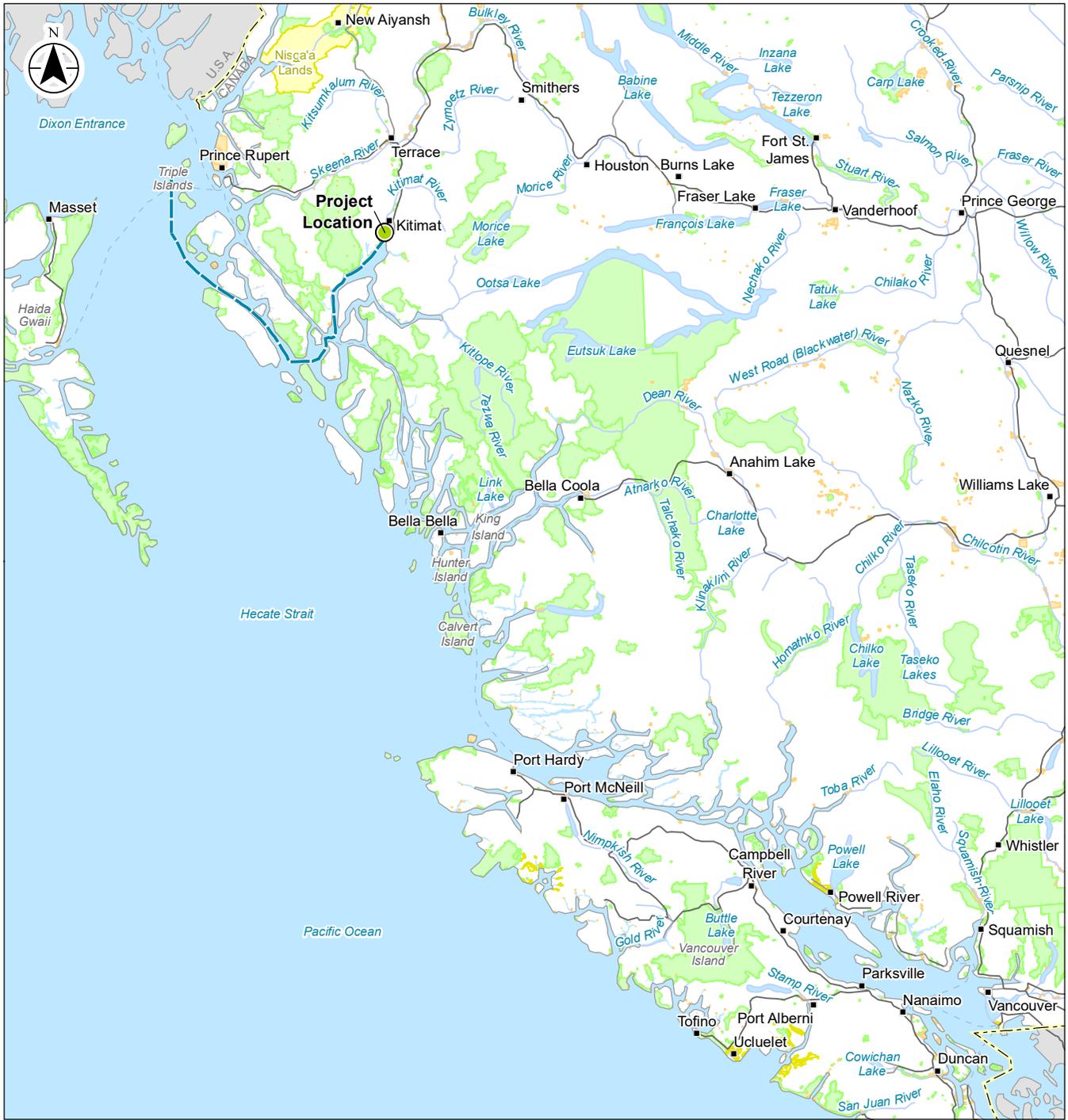
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<sup>4</sup> The EAO and Impact Assessment Agency of Canada have developed a Joint Permitting / Regulatory Coordination Plan for the Cedar LNG Project. This plan is intended to align the scope and conditions identified in the environmental assessment to the federal and provincial permitting processes that will follow the assessment processes.

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<sup>1</sup> **E12.0 Figures**



Notes  
 1. Coordinate System: NAD 1983 UTM Zone 9N  
 2. Data Sources: DataBC, Government of British Columbia; Natural Resources Canada; Canadian Hydrographic Service

- Highway
- Road
- - - Ferry Route
- Watercourse
- Waterbody
- Reserve Land
- Treaty Lands
- Park or Protected Area
- Project Location
- Marine Shipping Route (Approximate Location)

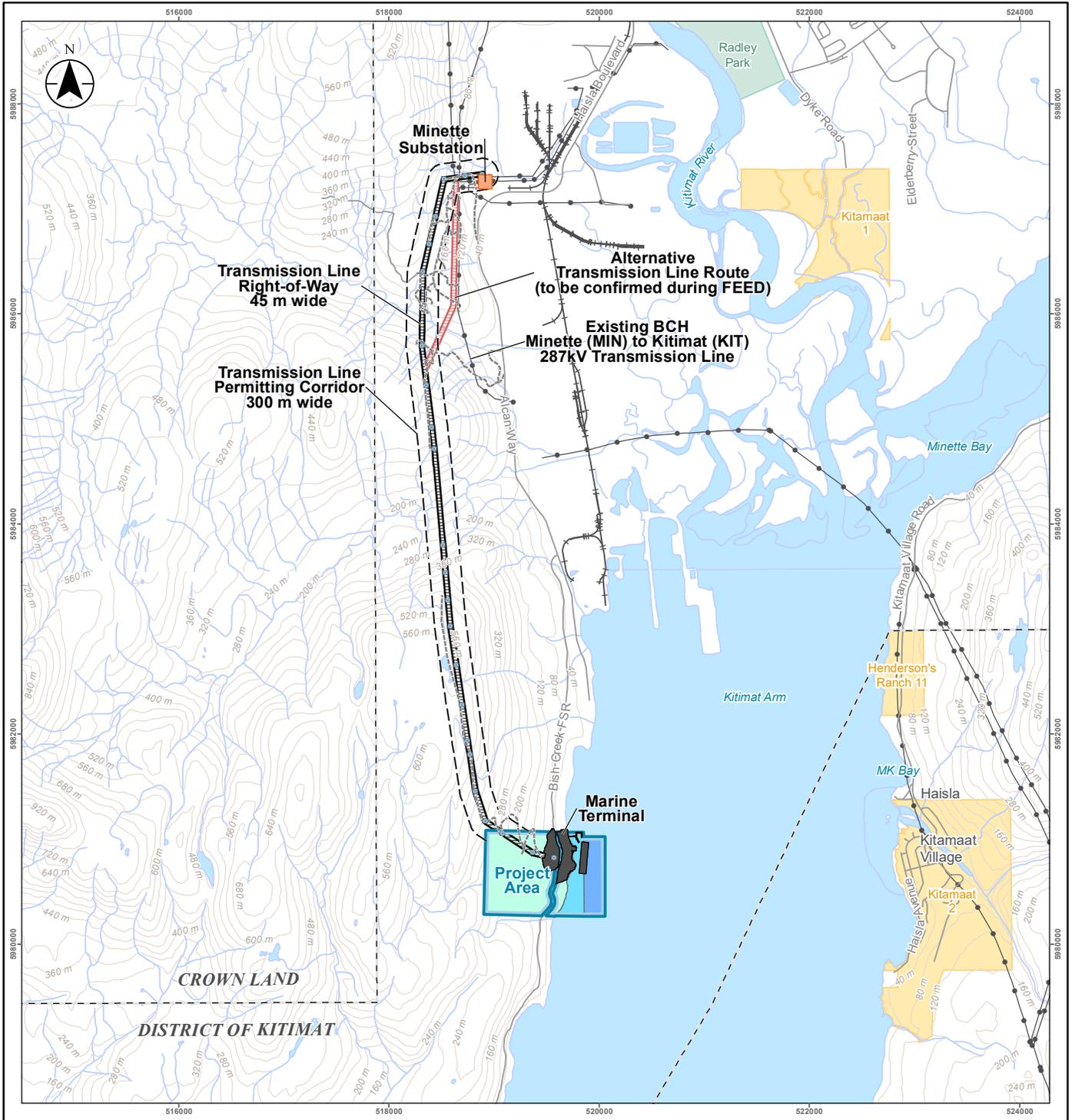


Project Location: Kitimat, British Columbia  
 Project Number: 123221953  
 Prepared by: LTRUDELL on 20211126  
 Discipline Review by: WPRYSTAY on 20211126  
 GIS Review by: SFORAIS on 20211126

Client/Project/Report: Cedar LNG Partners LP  
 Cedar LNG Project  
 Environmental Assessment Certificate Application

Figure No.: E1  
 Title: Cedar LNG Project Location

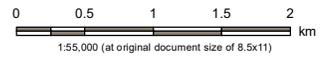
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Notes  
 1. Coordinate System: NAD 1983 UTM Zone 9N  
 2. Data Sources: DataBC, Government of British Columbia; Natural Resources Canada; Canadian Hydrographic Service

- Road
- +— Railway
- Transmission Line
- Topographic Contour (40 m)
- Waterbody
- Reserve Land
- Local Greenspace
- District of Kitimat
- Municipal Boundary
- Minette Substation

- Project Area
  - Marine Terminal
  - Transmission Line Right-of-Way
  - Alternative Transmission Line Route
  - Structure Location
  - Transmission Line Permitting Corridor
  - Access Road
- Parcel Owned by Haisla Enterprise Ltd.**
- District Lot 99, Plan 14740, PID 013-061-267
  - Water Lot A, Plan EPP 14217, PID 029-462-142 (Portion)
- Proposed Crown Lease**
- Conceptual Water Lot

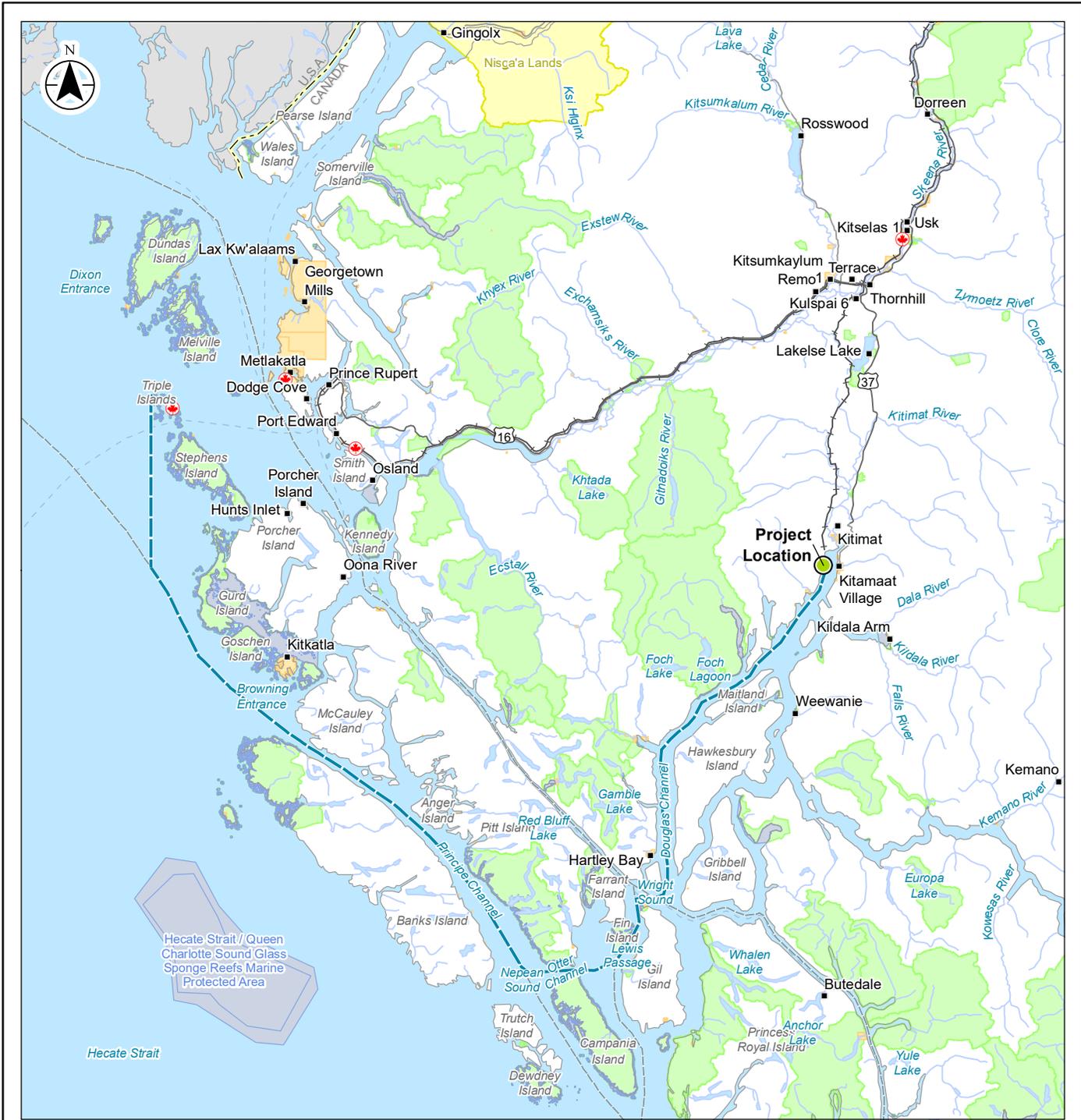


Project Location: Kitimat, British Columbia  
 Project Number 123221953  
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 Cedar LNG Project  
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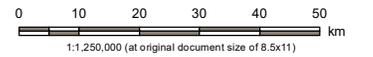
Figure No.  
**E2**  
 Title  
**Project Footprint**

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Notes  
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 2. Data Sources: DataBC, Government of British Columbia; Natural Resources Canada; Canadian Hydrographic Service

- International Boundary
- Highway
- Road
- Ferry Route
- Shipping Route
- Railway
- Watercourse
- Waterbody
- Reserve Land
- Treaty Lands
- Park or Protected
- Marine Park or Protected
- Project Location
- Marine Shipping Route (Approximate Location)
- National Historic Site of Canada

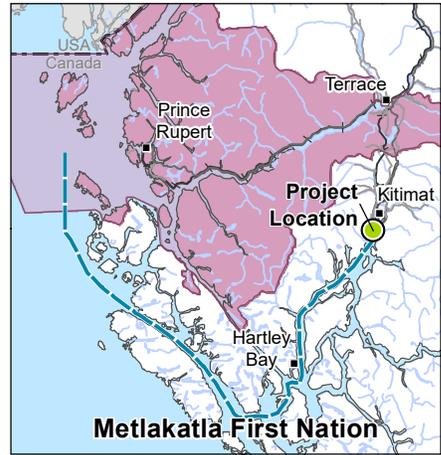
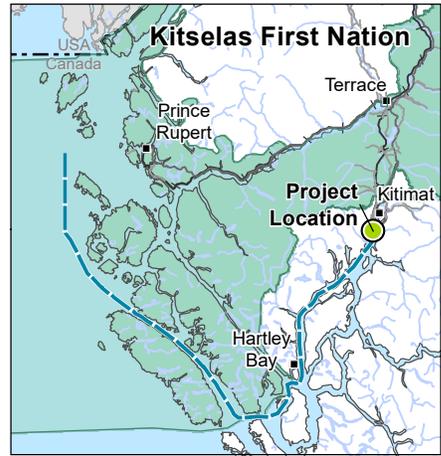
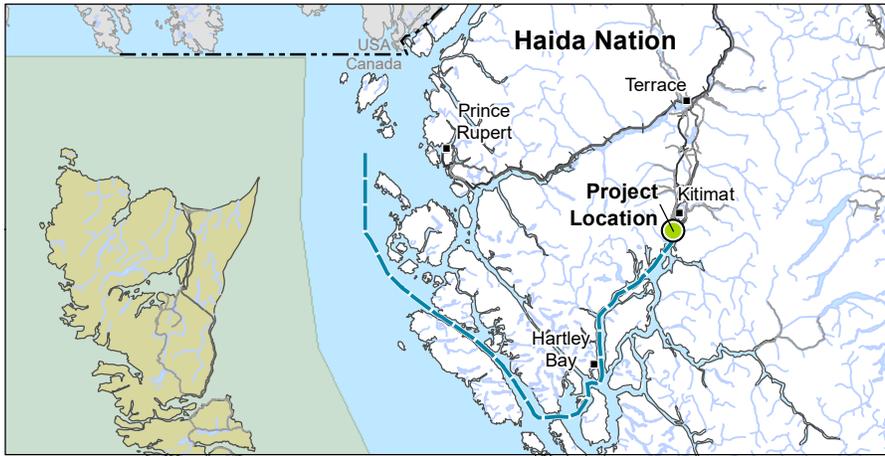
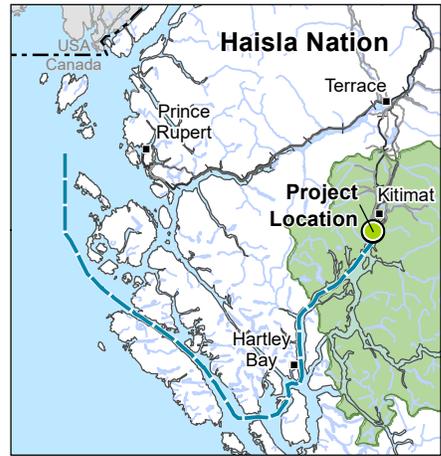
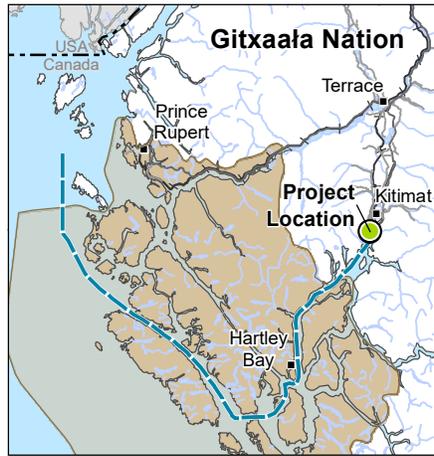


Project Location: Kitimat, British Columbia  
 Project Number 123221953  
 Prepared by LTRUDELL on 20211126  
 Discipline Review by WPRYSTAY on 20211126  
 GIS Review by SFORTAIS on 20211126

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 Cedar LNG Project  
 Environmental Assessment Certificate Application

Figure No.  
**E3**  
 Title  
**Cedar LNG Project Marine Shipping Route**

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- International Boundary
- Highway
- Road
- Railway
- Watercourse
- Waterbody
- Project Location
- Marine Shipping Route (Approximate Location)
- Indigenous Nation**
- Gitga'at Nation
- Gitxaala Nation
- Haisla Nation
- Haida Nation
- Kitselas First Nation
- Kitsumkalum First Nation
- Lax Kw'alaams Band
- Metlakatla First Nation



Project Location: Kitimat, British Columbia  
 Project Number 123221953  
 Prepared by LTRUDELL on 20211126  
 Discipline Review by WPRYSTAY on 20211126  
 GIS Review by SFORTAIS on 20211126

Client/Project/Report  
 Cedar LNG Partners LP  
 Cedar LNG Project  
 Environmental Assessment Certificate Application

Figure No.  
**E4**  
 Title  
**Indigenous Nation Traditional Territories Interacting with the Project and Shipping Route**

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## Table of Concordance

AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Application Summary Page 15	<p>The Application will include an executive summary that includes the following:</p> <ul style="list-style-type: none"> <li>A summary description of the Project, including the assessment scope.</li> </ul>	<p>Section E1.0 Introduction, Page ES-1; line 1 to Page ES-3; line 23</p> <p>Section E2.0 Project Description, Page RS-4; line 1 to Page ES-14; line 8</p> <p>Section E3.0 Alternative Means of Carrying Out the Project, Page ES-14; line 8 to 17; Table E3.1</p>
Application Summary Page 15	<p>The Application will include an executive summary that includes the following:</p> <ul style="list-style-type: none"> <li>A brief overview of engagement approaches with Indigenous Nations, the public and government agencies to date.</li> </ul>	<p>Section E4.0 Engagement Activities, Page ES-19; line 1 to Page ES-34; line 15</p>
Application Summary Page 15	<p>The Application will include an executive summary that includes the following:</p> <ul style="list-style-type: none"> <li>A summary of the key issues raised by Indigenous Nations, the public and government agencies.</li> </ul>	<p>Section E4.0 Engagement Activities, Page ES-19; line 1 to Page ES-34; line 15</p>
Application Summary Page 15	<p>The Application will include an executive summary that includes the following:</p> <ul style="list-style-type: none"> <li>A summary of key effects (positive and adverse), proposed mitigation and enhancement measures and residual and cumulative effects</li> </ul>	<p>Section E6.0 Assessment of Potential Effects Summary, Page ES-46; line 1 to Page ES-73, line 17</p> <p>Section E7.0 Malfunctions and Accidents, Page ES-73; line 18 to Page ES-74; line 38</p> <p>Section E8.0 Effects of the Environment on the Project, Page ES-75; line 1 to Page ES-76; line 4</p> <p>Section E9.0 Summary of Mitigation and Enhancement Measure, Page ES-76; line 5 to 29</p> <p>Section 10.0 Summary of Follow-up and Monitoring, Page ES-77; line 1 to 22</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Application Summary Page 15	<p>The Application will include an executive summary that includes the following:</p> <ul style="list-style-type: none"> <li>A summary of key effects on Indigenous Nations and their rights and proposed mitigation measures.</li> </ul>	<p>Section E6.16 Indigenous Interests, Page ES-70; line 36 to Page ES-72; line 16</p> <p>Section E9.0 Summary of Mitigation and Enhancement Measure, Page ES-76; line 5 to 29</p> <p>Section 10.0 Summary of Follow-up and Monitoring, Page ES-77; line 1 to 22</p>
Section 1.0 Project Overview Page 16	<p>This section of the Application will provide information on Cedar LNG Partners LP, by its general partner Cedar LNG Partners (GP) Ltd. (Cedar), the project context, a description of the Cedar LNG Project (the Project), and consideration of alternative means of carrying out the Project.</p>	<p>Section 1.1 Project Context, Page 1-1; line 5 to Page 1-2; line 29</p> <p>Section 1.2 Proponent Description, Page 1-3; line 1 to Page 1-4; line 5; Table 1.2.1; Table 1.2.2</p> <p>Section 1.9 Alternative Means of Carrying out the Project, Page 1-25; line 19 to Page 1-26; line 21</p>
Section 1.1 Project Context Page 16	<p>The Application will provide a high-level overview of the Project including:</p> <ul style="list-style-type: none"> <li>The type of project</li> </ul>	<p>Section 1.1 Project Context, Page 1-1; line 5 to Page 1-2; line 29</p>
Section 1.1 Project Context Page 16	<p>The Application will provide a high-level overview of the Project including:</p> <ul style="list-style-type: none"> <li>The objective of the Project</li> </ul>	<p>Section 1.1 Project Context, Page 1-1; line 5 to Page 1-2; line 29</p>
Section 1.1 Project Context Page 16	<p>The Application will provide a high-level overview of the Project including:</p> <ul style="list-style-type: none"> <li>A statement of the general Project location and names of the nearest communities</li> </ul>	<p>Section 1.3 Project Location, Page 1-5; line 1 to Page 1-6; line 8</p> <p>Section 1.3.3 Indigenous Territories, Page 1-9; line 15 to 27; Table 1.3.4</p>
Section 1.1 Project Context Page 16	<p>The Application will provide a high-level overview of the Project including:</p> <ul style="list-style-type: none"> <li>Discussion of the relevant history of the Project, including exploratory or investigative history</li> </ul>	<p>Section 1.1 Project Context, Page 1-1; line 5 to Page 1-2; line 29</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 1.2 Proponent Description Page 16	<p>This section of the Application will:</p> <ul style="list-style-type: none"> <li>Describe Cedar, including company history, type of company or organization, and affiliations/partnerships</li> </ul>	Section 1.2 Proponent Description, Page 1-3; line 1 to Page 1-4; line 5
Section 1.2 Proponent Description Page 16	<p>This section of the Application will:</p> <ul style="list-style-type: none"> <li>Provide contact information for Cedar representatives for the Project (e.g., name, address, phone, email)</li> </ul>	Section 1.2 Proponent Description, Proponent Information, Table 1.2.1; Page 1-4
Section 1.2 Proponent Description Page 16	<p>This section of the Application will:</p> <ul style="list-style-type: none"> <li>Identify the parties that contributed to preparation of the Application. An appendix will identify key personnel responsible for preparing the Application including their qualifications and the sections for which they were responsible.</li> </ul>	Appendix D, Environmental Assessment Certificate Application Contribution Summary Table; Page D-1 to D-14; Table D.1 Authorship of Application
Section 1.3 Project Location Page 18	The Application will describe the Project's location and marine shipping route.	<p>Section 1.3.1 Infrastructure and Shipping Route, Page 1-5; line 4 to Page 1-6; line 8</p> <p>Section 1.5.3 LNG Shipping, Page 1-20; line 1 to 24</p> <p>Figure 1.3.2 Cedar LNG Marine Shipping Route</p>
Section 1.3 Project Location Page 18	<p>Descriptions of the following features will be included in the Application:</p> <ul style="list-style-type: none"> <li>Project Area, including the latitude and longitude coordinates</li> </ul>	<p>Section 1.3.1 Infrastructure and Shipping Route; Page 1-5; line 4 to Page 1-6; line 8</p> <p>Figure 1.3.1 Cedar LNG Project Area</p>
Section 1.3 Project Location Page 18	<p>Descriptions of the following features will be included in the Application:</p> <ul style="list-style-type: none"> <li>Land lease and other tenure agreements required for project infrastructure</li> </ul>	<p>Section 1.3.1 Infrastructure and Shipping Route; Page 1-5; line 4 to Page 1-6; line 8</p> <p>Section 1.3.2 Current Land and Marine Use; Page 1-6; line 9 to line 19</p> <p>Section 1.3.2.1 Land Ownership and Tenures; Page 1-6; line 20 to Page 1-7; line 6; Table 1.3.1</p> <p>Section 1.3.2.1 Land Ownership and Tenures; Page 1-6; line 20 to Page 1-7; line 6; Table 1.3.2</p> <p>Figure 1.3.3 Project Area and Surrounding Land Ownership and Tenures</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 1.3 Project Location Page 18</p>	<p>Descriptions of the following features will be included in the Application:</p> <ul style="list-style-type: none"> <li>Project access route, transportation corridors, and navigable waters</li> </ul>	<p>Section 1.3.1 Infrastructure and Shipping Route, Page 1-5; line 4 to Page 1-6; line 8 Figure 1.1.1 Cedar LNG Project Location Figure 1.3.1 Cedar LNG Project Area Figure 1.3.2 Cedar LNG Marine Shipping Route</p>
<p>Section 1.3 Project Location Page 19</p>	<p>Descriptions of the following features will be included in the Application:</p> <ul style="list-style-type: none"> <li>Environmentally sensitive areas, such as national, provincial and regional parks, ecological reserves, marine protected areas, marine refuges, ecologically and biologically sensitive areas, wildlife habitat areas, old growth management areas, ungulate winter ranges, wetlands, estuaries, habitats of federally or provincially listed species at risk and other identified sensitive areas.</li> </ul>	<p>Section 1.3.2.2 Proximity to Parks and Federal Lands, Page 1-7; line 8 to 10; Table 1.3.3 Section 1.3.2.3 Proximity to Sensitive Areas, Page 1-9; line 1 to 14 Figure 1.3.4: Key Environmental Features Near the Project Area</p>
<p>Section 1.3 Project Location Page 19</p>	<p>Descriptions of the following features will be included in the Application:</p> <ul style="list-style-type: none"> <li>Current land and marine uses in proximity to the project infrastructure and shipping route</li> </ul>	<p>Section 1.3.2 Current Land and Marine Use, Page 1-6; line 9 to Page 1-9; line 14; Table 1.3.1 to 1.3.3 Section 2.3 Land and Marine Use Plans, Page 2-8; line 22 to Page 2-11; line 4</p>
<p>Section 1.3 Project Location Page 19</p>	<p>Descriptions of the following features will be included in the Application:</p> <ul style="list-style-type: none"> <li>Lands subject to conservation agreements in proximity to the project infrastructure</li> </ul>	<p>Section 1.3.2 Current Land and Marine Use, Page 1-6; line 9 to Page 1-9; line 14; Table 1.3.1 to 1.3.3 Section 2.3 Land and Marine Use Plans, Page 2-8; line 22 to Page 2-11; line 4</p>
<p>Section 1.3 Project Location Page 19</p>	<p>Descriptions of the following features will be included in the Application:</p> <ul style="list-style-type: none"> <li>The locations of potable drinking water sources in proximity to the project infrastructure (municipal or private)</li> </ul>	<p>Section 1.3.2.1 Land Ownership and Tenures, Page 1-6; line 20 to Page 1-7; line 6; Table 1.3.1 to 1.3.2 Figure 1.3.4 Key Environmental Features Near the Project Area Section 7.9.5.2 Overview, Page 7.9-14; line 14 to Page 7.9-28; line 38</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 1.3 Project Location Page 19	Descriptions of the following features will be included in the Application: <ul style="list-style-type: none"> <li>Local and Indigenous communities, including distances to these communities</li> </ul>	Section 1.3.3 Indigenous Territories, Page 1-9; line 15 to 27; Table 1.3.4 Figure 1.3.6 Indigenous Nation Traditional Territories Interacting with the Project and Shipping Route
Section 1.3 Project Location Page 19	Descriptions of the following features will be included in the Application: <ul style="list-style-type: none"> <li>Indigenous traditional territories and/or consultation areas, Treaty and/or Title lands, and Reserve lands</li> </ul>	Section 1.3.3 Indigenous Territories, Page 1-9; line 15 to 27; Table 1.3.3; Table 1.3.4 Figure 1.3.6 Indigenous Nation Traditional Territories Interacting with the Project and Shipping Route Section 11.1.1 Haisla Nation Traditional Territory, Page 11-2; line 1 to 34 Section 11.1.7 Reserves, Page 11-10; line 12 to 20; Table 11.1.1 Haisla Nation Reserves, Page 11-10 to Page 11-11 Section 12.1.1 Gitga'at First Nation Traditional Territory, Page 12-2; line 7 to Page 12-3; line 8 Section 12.1.7 Reserves, Page 12-13; line 24 to Page 12-14; line 1; Table 12.1.1 Gitga'at First Nation Reserves, Page 12-13 Section 13.1.1 Gitxaala Nation Territory, Page 13-2; lines 5 to 26 Section 13.1.7 Reserves, Page 13.9; line 19 to 25; Table 13.1.1 Gitxaala Nation Reserves, Page 13-9 to Page 13-10 Section 14.1.1 Kitselas First Nation Traditional Territory, Page 14-2; lines 1 to 21 Section 14.1.7 Reserves, Page 14.8; lines 10 to 16; Table 14.1.1 Kitselas First Nation Reserves, Page 14-8 Section 15.1.1 Kitsumkalum First Nation Traditional Territory, Page 15-2; line 1 to 26 Section 15.1.7 Reserves, Page 15-7; line 24 to 27; Table 15.1.1 Kitsumkalum First Nation Reserves, Page 15-7 Section 18.1.1 Haida Territory, Page 18-1; line 29 to Page 18-2; line 19 Section 18.1.7 Reserves, Page 18-7; line 29 to 38; Table 18.1.1 Haida Nation Reserves, Page 18-8 to Page 18-10



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 1.3 Project Location Page 19 (cont'd)	(see above)	(cont'd from above) Section 19.1.1 Métis Nation British Columbia Traditional Territory, Page 19-2; line 1 to 29 Section 19.1.7 Reserves, Page 19-6; line 13 to 16
Section 1.3 Project Location Page 19	Descriptions of the following features will be included in the Application: <ul style="list-style-type: none"><li>Summary of culturally and locally important features of the landscape</li></ul>	Section 1.3.3 Indigenous Territories, Page 1-9; line 15 to Page 1-11; line 2; Table 1.3.4 Appendix 7.13A Technical Data Report 2020-0013: Archaeological Impact Assessment
Section 1.4 Project Components Page 23	The Application will provide a description of the project components including: <ul style="list-style-type: none"><li>Onsite infrastructure, facilities, and components</li></ul>	Section 1.3.1 Infrastructure and Shipping Route, Page 1-5; line 4 to Page 1-6; line 8 Section 1.4.3 Supporting Infrastructure, Page 1-16; line 1 to Page 1-17; line 17
Section 1.4 Project Components Page 23	The Application will provide a description of the project components including: <ul style="list-style-type: none"><li>Offsite infrastructure, facilities and components determined to be within the scope of the Project in the section 11 Order.</li></ul>	Section 1.3.1 Infrastructure and Shipping Route, Page 1-5; line 4 to Page 1-6; line 8 Section 1.4.3 Supporting Infrastructure, Page 1-16; line 1 to Page 1-17; line 17
Section 1.4 Project Components Page 23	The Application will provide a description of the project components including: <ul style="list-style-type: none"><li>Confirmation that the Project will use electricity from BC Hydro and that gas-fired turbines (i.e., self-generation) will not be used.</li></ul>	Section 1.4 Project Components, Page 1-11; line 3 to Page 1-17; line 17
Section 1.4 Project Components Page 23	The Application will provide a description of the project components including: <ul style="list-style-type: none"><li>A map showing the locations of the onsite and offsite infrastructure, facilities, and components.</li></ul>	Figure 1.3.1 Cedar LNG Project Area Figure 1.3.2 Cedar LNG Project Marine Shipping Route



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 1.4 Project Components Page 23	The Application will also provide a summary of the changes that have been made to the Project since submission of the Project Description, including rationale for the changes.	Section 1.4 Project Components, Page 1-11; line 3 to Page 1-17; line 17
Section 1.5 Project Activities Page 24	The Application will provide a description of the applicable construction, operation, and decommissioning phases of the Project, including their duration and proposed scheduling. Proposed scheduling will identify time of year, frequency, and duration for key project activities, as applicable. Any overlapping phases will be described.	Section 1.5 Project Activities, Page 1-17; line 18 to Page 1-21; line 10 Section 1.7 Schedule, Page 1-23; line 1 to 13; Table 1.7.1 Section 6.4 Assessment Boundaries, Page 6-8; line 13 to Page 6-9; line 23
Section 1.6 Operational Waste Management Page 24	The Application will describe the anticipated major liquid effluents, air emissions and solid wastes that will be generated during operation of the Project.	Section 1.6 Operational Waste Management, Page 1-21; line 11 to Page 1-22; line 38
Section 1.7 Workforce Requirements Page 24	The Application will describe the anticipated labour requirements, employee programs and policies, and workforce development opportunities for the Project, including: <ul style="list-style-type: none"> <li>• Opportunities for employment, outlining the anticipated number of positions (full time equivalents) to be created for each project phase.</li> </ul>	Section 1.8 Workforce Requirements, Page 1-24; line 1 to Page 1-25; line 18 Section 7.8.7.2 Assessment of Change in Regional Employment – Mitigation and Enhancement Measures; Page 7.8-64; line 21 to 26; Table 7.8.32
Section 1.7 Workforce Requirements Page 24	The Application will describe the anticipated labour requirements, employee programs and policies, and workforce development opportunities for the Project, including: <ul style="list-style-type: none"> <li>• Skills and educations levels for key positions</li> </ul>	Section 1.8 Workforce Requirements; Page 1-24; lines 1 to Page 1-25; line 18 Appendix 7.8A National Occupational Classification Education and Skills Requirements

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 1.7 Workforce Requirements Page 24	<p>The Application will describe the anticipated labour requirements, employee programs and policies, and workforce development opportunities for the Project, including:</p> <ul style="list-style-type: none"> <li>Investment in training opportunities</li> </ul>	<p>Section 1.8 Workforce Requirements; Page 1-24; line 1 to Page 1-25; line 18</p> <p>Section 7.8.7.2 Assessment of Change in Regional Employment – Mitigation and Enhancement Measures; Page 7.8-64; line 21 to 26; Table 7.8.32</p>
Section 1.7 Workforce Requirements Page 24	<p>The Application will describe the anticipated labour requirements, employee programs and policies, and workforce development opportunities for the Project, including:</p> <ul style="list-style-type: none"> <li>Expected workforce requirements based on the National Occupational Classification system and timelines for employment opportunities.</li> </ul>	<p>Section 1.8 Workforce Requirements, Page 1-24; line 1 to Page 1-25; line 18</p> <p>Section 7.8.7.2 Assessment of Change in Regional Employment, Page 7.8-64; line 12 to Page 7.8-77; line 6</p> <p>Appendix 7.8A National Occupational Classification Education and Skills Requirements</p>
Section 1.7 Workforce Requirements Page 24	<p>The Application will describe the anticipated labour requirements, employee programs and policies, and workforce development opportunities for the Project, including:</p> <ul style="list-style-type: none"> <li>Anticipated work rotation schedules and means to get employees to the project site (e.g., fly-in/fly-out, bus)</li> </ul>	<p>Section 1.8 Workforce Requirements; Page 1-24; lines 1 to Page 1-25; line 18</p> <p>Section 7.8.7.2 Assessment of Change in Regional Employment, Page 7.8-64; line 12 to Page 7.8-77; line 6</p>
Section 1.7 Workforce Requirements Page 24	<p>The Application will describe the anticipated labour requirements, employee programs and policies, and workforce development opportunities for the Project, including:</p> <ul style="list-style-type: none"> <li>Anticipated housing arrangements for the workforce for each project phase</li> </ul>	<p>Section 1.8 Workforce Requirements; Page 1-24; lines 1 to Page 1-25; line 18</p> <p>Section 7.11.8 Assessment of Cumulative Effects on Infrastructure and Services, Page 7.11-69; line 1 to Page 7.11-76; line 41; Table 7.11.25 to 7.11.24</p>
Section 1.7 Workforce Requirements Page 24	<p>The Application will describe the anticipated labour requirements, employee programs and policies, and workforce development opportunities for the Project, including:</p> <ul style="list-style-type: none"> <li>Anticipated hiring policies including hiring programs</li> </ul>	<p>Section 1.8 Workforce Requirements; Page 1-24; lines 1 to Page 1-25; line 18</p> <p>Section 7.8.7.2 Assessment of Change in Regional Employment – Mitigation and Enhancement Measures; Page 7.8-64; line 21 to 26; Table 7.8.32</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 1.7 Workforce Requirements Page 24</p>	<p>The Application will describe the anticipated labour requirements, employee programs and policies, and workforce development opportunities for the Project, including:</p> <ul style="list-style-type: none"> <li>Workplace policies and programs for Indigenous employment and employment of other underrepresented groups</li> </ul>	<p>Section 1.8 Workforce Requirements; Page 1-24; line 1 to Page 1-25; line 18 Section 7.8.7.2 Assessment of Change in Regional Employment – Mitigation and Enhancement Measures; Page 7.8-64; line 21 to 26; Table 7.8.32</p>
<p>Section 1.7 Workforce Requirements Page 24</p>	<p>The Application will describe the anticipated labour requirements, employee programs and policies, and workforce development opportunities for the Project, including:</p> <ul style="list-style-type: none"> <li>Employee assistance programs and benefits including career planning, employee counselling, family support, transition planning, pension plan and group insurance benefit plans.</li> </ul>	<p>Section 1.8 Workforce Requirements; Page 1-24; line 1 to Page 1-25; line 18 Section 7.11.7.2 Assessment of Change in Infrastructure and Services, Page 7.11-44; line 18 to Page 7.11-55; line 11</p>
<p>Section 1.7 Workforce Requirements Page 24</p>	<p>The Application will describe the anticipated labour requirements, employee programs and policies, and workforce development opportunities for the Project, including:</p> <ul style="list-style-type: none"> <li>Workplace policies and programs including codes of conduct, workplace safety programs and cultural training programs.</li> </ul>	<p>Section 1.8 Workforce Requirements; Page 1-24; line 1 to Page 1-25; line 18 Section 7.11.7.2 Assessment of Change in Infrastructure and Services, Page 7.11-44; line 18 to Page 7.11-55; line 11</p>
<p>Section 1.8 Alternative Means of Carrying out the Project Page 25</p>	<p>The Application will identify and consider alternative means of carrying out the Project that are technically and economically feasible, including through the use of best available technologies, and the potential effects, risks, and uncertainties of those alternatives. Considerations include, but are not limited to, alternative technologies, processes, mitigation, and design.</p>	<p>Section 1.9 Alternative Means of Carrying out the Project, Page 1-25; line 19 to Page 1-40; line 28; Table 1.9.1 to 1.9.5</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 1.8 Alternative Means of Carrying out the Project Page 25	<p>The Application will describe the alternative means considered. Cedar has evaluated and is evaluating a number of alternative designs and technologies for the Project, including:</p> <ul style="list-style-type: none"> <li>• Location of the liquefaction units and storage (land-based or floating)</li> </ul>	Section 1.9.1 Location of Gas Treatment and Liquefaction Facilities and LNG Storage, Page 1-26; line 23 to Page 1-30; line 5; Table 1.9.1
Section 1.8 Alternative Means of Carrying out the Project Page 25	<p>The Application will describe the alternative means considered. Cedar has evaluated and is evaluating a number of alternative designs and technologies for the Project, including:</p> <ul style="list-style-type: none"> <li>• Alternative cooling options for the liquefaction process</li> </ul>	Section 1.9.2 Alternative Cooling Options for the Liquefaction Process, Page 1-30; line 6 to Page 1-33; line 4; Table 1.9.2
Section 1.8 Alternative Means of Carrying out the Project Page 25	<p>The Application will describe the alternative means considered. Cedar has evaluated and is evaluating a number of alternative designs and technologies for the Project, including:</p> <ul style="list-style-type: none"> <li>• Alternative marine terminal and jetty designs (one jetty or two jetties)</li> </ul>	Section 1.9.3 Alternative Marine Terminal and Jetty Designs, Page 1-34; line 1 to Page 1-38; line 9; Table 1.9.3 to 1.9.4
Section 1.8 Alternative Means of Carrying out the Project Page 25	<p>The Application will describe the alternative means considered. Cedar has evaluated and is evaluating a number of alternative designs and technologies for the Project, including:</p> <ul style="list-style-type: none"> <li>• Alternative power supply options (100% electrification, self-generation, or a combination thereof)</li> </ul>	Section 1.9.4 Alternative Power Supply Options, Page 1-38; line 10 to Page 1-39; line 12; Table 1.9.5
Section 1.8 Alternative Means of Carrying out the Project Page 25	<p>For each of the alternative means of carrying out the Project, the Application will:</p> <ul style="list-style-type: none"> <li>• Describe the criteria used to determine the technical and economic feasibility of the alternative means</li> </ul>	Section 1.9 Alternative Means of Carrying out the Project, Page 1-25; line 19 to Page 1-40; line 28; Table 1.9.1 to 1.9.5



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 1.8 Alternative Means of Carrying out the Project Page 25	For each of the alternative means of carrying out the Project, the Application will: <ul style="list-style-type: none"> <li>• Identify alternative means that are technically and economically feasible.</li> </ul>	Section 1.9 Alternative Means of Carrying out the Project, Page 1-25; line 19 to Page 1-40; line 28; Table 1.9.1 to 1.9.5
Section 1.8 Alternative Means of Carrying out the Project Page 25	For each of the alternative means of carrying out the Project, the Application will: <ul style="list-style-type: none"> <li>• Describe the criteria for comparing the alternative means that are technically and economically feasible and identify the preferred means. Criteria will include consideration of the following factors and may also include economic, logistic or other factors relevant to the comparison:                             <ul style="list-style-type: none"> <li>○ Environmental, economic, social, heritage and health effects</li> <li>○ Effects to Indigenous interests</li> <li>○ Effects on greenhouse gas (GHG) emissions</li> <li>○ Risks and uncertainties</li> </ul> </li> </ul>	Section 1.9 Alternative Means of Carrying out the Project, Page 1-25; line 19 to Page 1-40; line 28; Table 1.9.1 to 1.9.5
Section 1.8 Alternative Means of Carrying out the Project Page 25	For each of the alternative means of carrying out the Project, the Application will: <ul style="list-style-type: none"> <li>• Identify the potential effects, risks, and uncertainties of each technically and economically feasible alternative means of carrying out the Project.</li> </ul>	Section 1.9 Alternative Means of Carrying out the Project, Page 1-25; line 19 to Page 1-40; line 28; Table 1.9.1 to 1.9.5
Section 1.8 Alternative Means of Carrying out the Project Page 25	For each of the alternative means of carrying out the Project, the Application will: <ul style="list-style-type: none"> <li>• Identify the preferred means of carrying out the Project.</li> </ul>	Section 1.9 Alternative Means of Carrying out the Project, Page 1-25; line 19 to Page 1-40; line 28; Table 1.9.1 to 1.9.5



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 1.8 Alternative Means of Carrying out the Project Page 25	For each of the alternative means of carrying out the Project, the Application will: <ul style="list-style-type: none"> <li>Discuss how best available technologies (if applicable) have been considered in identifying the preferred means.</li> </ul>	Section 1.9 Alternative Means of Carrying out the Project, Page 1-25; line 19 to Page 1-40; line 28; Table 1.9.1 to 1.9.5
Section 1.8 Alternative Means of Carrying out the Project Page 26	For each of the alternative means of carrying out the Project, the Application will: <ul style="list-style-type: none"> <li>Summarize the potential effects, risks and uncertainties of the preferred means and how these are assessed in the Application (with reference to other parts of the Application where applicable for more detail).</li> </ul>	Section 1.9 Alternative Means of Carrying out the Project, Page 1-25; line 19 to Page 1-40; line 28; Table 1.9.1 to 1.9.5
Section 1.8 Alternative Means of Carrying out the Project Page 26	For each of the alternative means of carrying out the Project, the Application will: <ul style="list-style-type: none"> <li>Where alternative means for carrying out the project result in corresponding changes to the health, social, or economic conditions, Gender-Based Analysis Plus (GBA+) and the provincial guidelines on Human and Community Well-being will be applied to the effects analysis to describe disproportionate effects on distinct human populations who may be more vulnerable to adverse effects. The proponent will also consider the views or information provided by Indigenous nations, the public and other participants in establishing parameters to compare the alternative means.</li> </ul>	Section 1.9 Alternative Means of Carrying out the Project, Page 1-25; line 19 to Page 1-40; line 28; Table 1.9.1 to 1.9.5
Section 2.0 Regulatory Framework Page 26	The Application will provide an overview of the assessment process, relevant policies, initiatives, and assessments, land and marine use plans, Indigenous Nation arrangements, and permitting.	Section 2.0 Regulatory Framework, Page 2-1; line 1 to Page 2-13; line 32; Table 2.5.1



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 2.1 Assessment Process Page 26	This section of the Application will provide an overview of the anticipated assessment process for the Project to meet provincial and federal requirements, with federal requirements substituted with the provincial assessment.	Section 2.1 Assessment Process, Page 2-1; line 5 to Page 2-4; line 27; Table 2.1.1
Section 2.1 Assessment Process Page 26	The Application will include: <ul style="list-style-type: none"> <li>A statement that the Project is reviewable under the Reviewable Projects Regulation (BCEAA) and the Physical Activities Regulations (IAA) and identification of the trigger(s) for its review.</li> </ul>	Section 2.1 Assessment Process, Page 2-1; line 5 to Page 2-4; line 27; Table 2.1.1
Section 2.1 Assessment Process Page 26	The Application will include: <ul style="list-style-type: none"> <li>A high-level overview of the assessment process.</li> </ul>	Section 2.1 Assessment Process, Page 2-1; line 5 to Page 2-4; line 27; Table 2.1.1
Section 2.1 Assessment Process Page 26	The Application will include: <ul style="list-style-type: none"> <li>A statement that the Application has been developed pursuant to the Application Information Requirements (AIR) approved by Environmental Assessment Office (EAO) and complies with relevant instructions provided in the section 11 Order and any other direction provided by EAO.</li> </ul>	Section 2.1.4 Cedar Process Information, Page 2-4; line 22 to 25
Section 2.1 Assessment Process Page 26	The Application will include: <ul style="list-style-type: none"> <li>An overview of the approach to address the requirements for a substituted assessment (e.g., how the federal requirements align with the valued component (VC) selection and assessments).</li> </ul>	Section 2.1.4 Cedar Process Information, Page 2-2; line 29 to Page 2-4; line 27; Table 2.1.1  Section 20.0 Summary of Statutory Requirements under the Federal <i>Impact Assessment Act</i> , Page 20-1; lines 1 to 34; Table 2.1.1

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 2.2 Relevant Policies, Initiatives and Assessments Page 27	The Application will identify government policies, study initiatives, and regional and strategic assessments relevant to the Project and/or the assessment, and their implications (e.g., Clean BC Plan and government GHG reduction targets).	Section 2.2 Relevant Policies, Initiatives and Assessments, Page 2-6; line 1 to Page 2-8; line 21
Section 2.3 Land and Marine Use Plans Page 27	The Application will summarize any land and marine use plans of a government (provincial, federal, or an Indigenous Nation) that may be relevant to the Project and consider whether the Project is consistent with the identified plans.	Section 2.3 Land and Marine Use Plans; Page 2-8; line 22 to Page 2-11; line 4
Section 2.4 Indigenous Nation Arrangements Page 28	The Application will identify and describe how the assessment has considered the following arrangements: <ul style="list-style-type: none"> <li>Any applicable arrangements between federal or provincial governments and Indigenous Nations that are pertinent to the Project (e.g., any treaty, self-government, land claims).</li> </ul>	Section 2.4 Indigenous Nation Arrangements; Page 2-11; line 5 to Page 2-13; line 26; Table 2.4.1
Section 2.4 Indigenous Nation Arrangements Page 28	The Application will identify and describe how the assessment has considered the following arrangements: <ul style="list-style-type: none"> <li>Any agreements between Cedar and Indigenous Nations applicable to the assessment of the Project</li> </ul>	Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26
Section 2.5 Permitting Page 28	The Application will provide a summary of the anticipated federal, provincial and municipal permits required for the Project, as well as any permitting updates relative to the information provided in the Permitting Plan developed by Impact Assessment Agency of Canada (IAAC) and EAO to indicate any new anticipated permitting requirements not previously identified.	Section 2.5 Permitting, Page 2-13; line 27 to 32; Table 2.5.1
Section 3.0 Public Engagement Page 28	The Application will: <ul style="list-style-type: none"> <li>Describe Cedar's ongoing and proposed public engagement activities regarding the Project.</li> </ul>	Section 3.0 Public Engagement, Page 3-1; line 1 to Page 3-6; line 22; Table 3.3.1



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 3.0 Public Engagement Page 28	The Application will: <ul style="list-style-type: none"> <li>Describe the efforts made to distribute project information and the information and materials that were distributed during the consultation process. This section of the Application will also describe the methods used, where the consultation was held, organizations and groups consulted, the views expressed and the extent to which this information was incorporated in the design of the Project as well as in the Application.</li> </ul>	Section 3.2.1 Engagement Activities To-Date, Page 3-1; line 10 to Page 3-3; line 19
Section 3.0 Public Engagement Page 28	The Application will: <ul style="list-style-type: none"> <li>Summarize key issues that were raised through engagement with the public and stakeholders and the potential environmental, economic, social, cultural and health effects that were identified, including disproportionate effects, for diverse subgroups within the population and effects to current and future generations.</li> </ul>	Section 3.3 Public Consultation Summary, Page 3-3; line 20 to Page 3-6; line 8 Table 3.3.1
Section 3.0 Public Engagement Page 28	The Application will: <ul style="list-style-type: none"> <li>Describe how Cedar will address the issues raised during public consultation (e.g., through alternative means, mitigation measures, monitoring programs, adaptive management to deal with uncertainty).</li> </ul>	Section 3.3 Public Consultation Summary, Page 3-3; line 20 to Page 3-6; line 8 Table 3.3.1
Section 3.0 Public Engagement Page 28	The Application will: <ul style="list-style-type: none"> <li>Identify public concerns that were not addressed (if any) along with the reasons that the concerns were not addressed.</li> </ul>	Section 3.3 Public Consultation Summary, Page 3-3; line 20 to Page 3-6; line 8 Table 3.3.1
Section 3.0 Public Engagement Page 28	The Application will: <ul style="list-style-type: none"> <li>Provide details regarding how Cedar will keep the public involved in the Project if it is approved and proceeds.</li> </ul>	Section 3.4 Planned Activities, Page 3-6; line 9 to 22



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 4.0 Local Government Engagement Page 29	The Application will: <ul style="list-style-type: none"> <li>Describe the process for engaging local governments potentially affected by the Project.</li> </ul>	Section 4.0 Local Government Engagement, Page 4-1; line 1 to Page 4-4; line 9; Table 4.2.1
Section 4.0 Local Government Engagement Page 29	The Application will: <ul style="list-style-type: none"> <li>Describe Cedar's ongoing and proposed local government engagement activities regarding the Project.</li> </ul>	Section 4.0 Local Government Engagement, Page 4-1; line 1 to Page 4-4; line 9; Table 4.2.1
Section 4.0 Local Government Engagement Page 29	The Application will: <ul style="list-style-type: none"> <li>Describe the efforts made to distribute project information and the information and materials that were distributed during the consultation process. This section of the Application will also describe the methods used, where the consultation was held, the views expressed and the extent to which this information was incorporated in the design of the Project as well as in the Application.</li> </ul>	Section 4.1 Engagement Activities To-Date, Page 4-1; line 13 to Page 4-1; line 27
Section 4.0 Local Government Engagement Page 29	The Application will: <ul style="list-style-type: none"> <li>Provide a summary of key issues related to the Project that were raised through engagement with local government and the potential environmental, economic, social, cultural and health effects that were identified, including disproportionate effects on distinct human populations and effects to current and future generations.</li> </ul>	Section 4.2 Local Government Summary, Page 4-1; line 28 to 37; Table 4.2.1



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 4.0 Local Government Engagement Page 29	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe how Cedar will address issues raised during local government consultation (e.g., alternative means, mitigation measures, monitoring programs, adaptive management to deal with uncertainty).</li> </ul>	Section 4.3 Planned Activities, Page 4-4; line 1 to 9
Section 4.0 Local Government Engagement Page 29	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Summarize local government concerns that were not addressed (if any) along with the reasons that the concerns were not addressed.</li> </ul>	Section 4.2 Local Government Summary, Page 4-1; line 28 to 37; Table 4.2.1
Section 4.0 Local Government Engagement Page 29	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Provide details regarding how Cedar will keep local governments involved in the Project if it is approved and proceeds.</li> </ul>	Section 4.3 Planned Activities, Page 4-4; line 1 to 9
Section 5.1 Scope of the Assessment Page 33	The Application will outline the scope of the assessment for each VC, including regulatory and policy setting, and the selection of potential effects and indicators to measure potential effects. When a VC is considered a “pathway” for potential effects on another VC, the Application will identify such linkages.	Section 5.0 Valued Component Selection, Page 5-1; line 1 to Page 5-4; line 28; Table 5.1.1 to 5.2.1
Section 5.1 Scope of the Assessment Page 33	This will include a discussion on electromagnetic fields from the power transmission line between the Project substation and BC Hydro Minette Substation.	Section 5.2 Scope of Assessment, Page 5-4; line 1 to 28; Table 5.2.1
Section 6.0 Valued Component Assessment Methods Page 33	The Application will describe the methods used to assess the potential effects of the Project on VCs.	Section 6.0 Valued Component Assessment Methods, Page 6-1; lines 1 to Page 6-12; line 10; Table 6.6.1



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 6.0 Valued Component Assessment Methods Page 34	The Application will describe how scientific, Indigenous, and local knowledge was used in the assessment.	Section 6.1 Relevant Statutes, Policies and Frameworks, Page 6-1; line 20 to 24; Table 6.1.1  Section 6.2 Influence of Consultation and Engagement, Page 6-7; line 1 to 39
Section 6.0 Valued Component Assessment Methods Page 34	Best available science, Indigenous knowledge and local knowledge will be considered and integrated throughout the assessment process. For Indigenous knowledge, the Application will outline how Indigenous knowledge was used in alignment with the Indigenous knowledge policies and protocols of each Indigenous Nation that provided this information. Further, the Application will confirm that the Indigenous Nation has provided consent for the use and public disclosure of the Indigenous knowledge, and that the Indigenous Nation agrees that the Indigenous knowledge has been appropriately characterized within the Application.	Section 6.2 Influence of Consultation and Engagement, Page 6-7; line 1 to 39
Section 6.1 Relevant Statutes, Policies and Frameworks Page 34	The Application will summarize the regulatory and planning context for the management of the VC, including relevant legislation, policies and frameworks specific to the VC.	Section 6.1 Relevant Statutes, Policies and Frameworks, Page 6-1; line 20 to 24; Table 6.1.1  Section 7.2.1 Relevant Statutes, Policies and Frameworks, Page 7.2-1; line 16 to Page 7.2-2; line 9, Table 7.2.1  Section 7.3.1 Relevant Statutes, Policies and Frameworks, Page 7.3-1; line 18 to Page 7.3-5; line 12  Section 7.4.1 Relevant Statutes, Policies and Frameworks, Page 7.4-1; line 20 to 25; Table 7.4.1  Section 7.5.1 Relevant Statutes, Policies and Frameworks, Page 7.5-1; line 25 to 30; Table 7.5.1  Section 7.6.1 Relevant Statutes, Policies and Frameworks, Page 7.6-2; line 6 to 11; Table 7.6.1  Section 7.7.1 Relevant Statutes, Policies and Frameworks, Page 7.7-2; line 1 to 18; Table 7.7.1



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 6.1 Relevant Statutes, Policies and Frameworks Page 34 (cont'd)</p>	<p>(see above)</p>	<p>(cont'd from above)</p> <p>Section 7.8.1 Relevant Statutes, Policies and Frameworks, Page 7.8-1; line 20 to 32</p> <p>Section 7.9.1 Relevant Statutes, Policies and Frameworks, Page 7.9-2; line 1 to Page 7.9-7; line 13</p> <p>Section 7.10.1 Relevant Statutes, Policies and Frameworks, Page 7.10-1; line 18 to Page 7.10-6; line 9</p> <p>Section 7.11.1 Relevant Statutes, Policies and Frameworks, Page 7.11-1; line 15 to Page 7.11-2; line 3</p> <p>Section 7.12.1 Relevant Statutes, Policies and Frameworks, Page 7.12-1; line 27 to Page 7.12-2; line 28</p> <p>Section 7.13.1 Relevant Statutes, Policies and Frameworks, Page 7.13-1; line 12 to 16; Table 7.13.1</p>
<p>Section 6.2 Assessment Boundaries Page 34</p>	<p>The Application will describe the spatial, temporal, administrative and technical boundaries of each VC to be used in assessing the potential effects, describe the methods used to identify the boundaries and provide a rationale for each boundary. Information on boundaries for each VC will be included in the appropriate VC sections of the Application, and will encompass all relevant project phases, components and activities.</p>	<p>Section 6.4.1 Spatial Boundaries, Page 6-8; line 15 to 35</p> <p>Section 7.2.4 Boundaries, Page 7.2-5; line 10 to Page 7.2-7; line 10</p> <p>Section 7.3.4 Boundaries, Page 7.3-7; line 14 to Page 7.3-9; line 16; Table 7.3.4</p> <p>Section 7.4.4 Boundaries, Page 7.4-10; line 15 to Page 7.4-7.4-13; line 37</p> <p>Section 7.5.4 Boundaries, Page 7.5-11; line 4 to Page 7.5-14; line 31</p> <p>Section 7.6.4 Boundaries, Page 7.6-9; line 1 to Page 7.6-11; line 15</p> <p>Section 7.7.4 Boundaries, Page 7.7-9; line 7 to Page 7.7-11; line 23</p> <p>Section 7.8.4 Boundaries, Page 7.8-4; line 17 to Page 7.8-6; line 40</p> <p>Section 7.9.4 Boundaries, Page 7.9-11; line 9 to Page 7.9-12; line 19</p> <p>Section 7.10.4 Boundaries, Page 7.10-11; line 1 to Page 7.10-12; line 24</p> <p>Section 7.11.4 Boundaries, Page 7.11-5; line 1 to Page 7.11-6; line 38</p> <p>Section 7.12.4 Boundaries, Page 7.12-5; line 10 to Page 7.12-6; line 36</p> <p>Section 7.13.4 Boundaries, Page 7.13-3; line 1 to Page 7.13-4; line 16; Figure 7.13.1</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 6.2 Assessment Boundaries Page 35	The Application will include maps of the watershed(s) and potentially impacted watercourses and waterbodies, including known watercourse crossings.	Figure 7.6.3 Project Components and Watercourse Crossings
Section 6.3 Existing Conditions Page 55	<p>For each VC, the Application will describe the existing conditions (i.e., “baseline”) within the assessment areas in sufficient detail to enable potential Project-VC interactions to be identified, understood and assessed.</p> <p>In general, the Application will include:</p> <ul style="list-style-type: none"> <li>• A description of the quality and reliability of the existing data and its applicability for the purpose used, including any data gaps, insufficiencies and uncertainties, particularly for the purpose of monitoring activities.</li> <li>• Reference to natural and/or human-caused trends that may alter the VC irrespective of the changes that may be caused by the Project or other projects and activities in the local area. For the biological VCs this includes consideration of variability due to potential future climate change.</li> <li>• An explanation of if and how other past and present projects and activities in the assessment areas have affected or are affecting the VC.</li> <li>• Documentation of the methods and information sources used to compile information on existing conditions, including any standards or guidelines followed.</li> </ul>	Section 6.5, Existing Conditions, Page 6-9; line 24 to Page 6-11; line 26 Section 7.2.5 Existing Conditions, Page 7.2-7; line 11 to Page 7.2-14; line 19 Section 7.3.5 Existing Conditions, Page 7.3-13; line 1 to Page 7.3-15; line 17; Table 7.3.5 to 7.3.6 Section 7.4.5 Existing Conditions, Page 7.4-14; line 1 to Page 7.4-32; line 22 Section 7.5.5 Existing Conditions, Page 7.5-14; line 32 to Page 7.5-25; line 24 Section 7.6.5 Existing Conditions, Page 7.6-11; line 16 to Page 7.6-21; line 24 Section 7.7.5 Existing Conditions, Page 7.7-11; line 24 to Page 7.7-24; line 4 Section 7.8.5 Existing Conditions, Page 7.8-7; line 1 to Page 7.8-59; line 18; Table 7.8.3 to 7.8.29; Figure 7.8.1 to 7.8.10 Section 7.9.5 Existing Conditions, Page 7.9-12; 20 to Page 7.9-28; line 38 Section 7.10.5 Existing Conditions, Page 7.10-12; line 25 to Page 7.10-36; line 28 Section 7.11.5 Existing Conditions, Page 7.11-7; line 1 to Page 7.11-39; line 32 Section 7.12.5 Existing Conditions, Page 7.12-7; line 1 to 29 Section 7.13.5 Existing Conditions, Page 7.13-4; line 17 to Page 7.13-6; line 3



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 6.3 Existing Conditions Page 55 (cont'd)	<p>(cont'd from above)</p> <ul style="list-style-type: none"> <li>Where additional project- and VC-specific field studies are conducted, the scope and methods to be used will follow published documents pertaining to data collection and analysis methods, where these are available. These methods will be described in the Application. Where methods used for the assessment deviate from applicable published guidance, the rationale for the variance will be provided in the Application.</li> <li>Description of any local and/or Indigenous knowledge used in the assessment. Rationale will be provided when Indigenous knowledge is not provided.</li> <li>For VCs within the social pillar, include the application of GBA+, including Disproportionate Effects on Distinct Human Populations as described in provincial guidance related to the BCEAA, to these baseline descriptions to disaggregate and specify baseline conditions for diverse or distinct subgroups is necessary to support the GBA+ of effects. Both qualitative and quantitative data may be necessary to describe baseline conditions across diverse or distinct subgroups, where GBA+ factors have the potential to be relevant to the understanding of effects. Where the available information presents a limitation on the ability to characterize baseline conditions according to GBA+ approaches, this limitation will be articulated, and its implications for analysis described.</li> </ul>	<p>(see above)</p>



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Section 6.3 Existing Conditions Page 56	Some VCs will include reference to technical data reports that present data on existing conditions. These reports will be appended to the Application and their key findings will be summarized in the Application.	Appendix 7.2A Air Quality Technical Data Report Appendix 7.2B Dispersion Modelling of Air Emissions from an LNG Carrier in Transit Appendix 7.3A Acoustic Technical Data Report Appendix 7.4A Vegetation Resources Technical Data Report Appendix 7.4B Terrestrial Air Emissions Assessment Technical Data Report Appendix 7.5A Wildlife Technical Data Report Appendix 7.6A Freshwater Fish and Fish Habitat Technical Data Report Appendix 7.6B Surface Water Acidification and Eutrophication Assessment Technical Data Report Appendix 7.7A Marine Resources Technical Data Report Appendix 7.7B Marine Water and Sediment Quality Technical Memorandum Appendix 7.8A National Occupational Classification Education and Skills Requirements Appendix 7.12A Human Health Risk Assessment Technical Data Report Appendix 7.13A Technical Data Report 2020 0013: Archaeological Impact Assessment Appendix 8A Greenhouse Gas Emissions Technical Data Report Appendix 8B Strategic Assessment of Climate Change Technical Report



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 6.4 Project Interactions Page 64</p>	<p>The Application will provide justification for non-interactions (ranked 0), including any input received from EAO, the Working Group, government agencies, Indigenous Nations and the public.</p>	<p>Section 6.6 Project Interactions, Page 6-11; line 27 to Page 6-12; line 10; Table 6.61</p> <p>Section 7.2.6 Project Interactions on Air Quality, Page 7.2-14; line 20 to 41; Table 7.2.9</p> <p>Section 7.3.6 Project Interactions on Acoustic, Page 7.3-18; line 1 to 13; Table 7.3.8</p> <p>Section 7.4.6 Project Interactions on Vegetation Resources, Page 7.4-32; line 23 to Page 7.4-34; line 14</p> <p>Section 7.5.6 Project Interactions on Wildlife, Page 7.5-26; line 1 to 27; Table 7.5.5</p> <p>Section 7.6.6 Project Interactions on Freshwater fish, Page 7.6-21; line 25 to Page 7.6-26, line 5</p> <p>Section 7.7.6 Project Interactions on Marine Resources, Page 7.7-24; line 5 to 23; Table 7.7.6</p> <p>Section 7.8.6 Project Interactions on Employment and Economy, Page 7.8-60; line 1 to Page 7.8-61; line 4</p> <p>Section 7.9.6 Project Interactions on Land Resource Use, Page 7.9-29; line 1 to 12</p> <p>Section 7.10.6 Project Interactions on Marine Use, Page 7.10-36; line 29 to Page 7.10-38; line 41</p> <p>Section 7.11.6 Project Infrastructure and Services Interactions, Page 7.11-40; line 1 to Page 7.11-41; line 26</p> <p>Section 7.12.6 Project Interactions with Human Health, Page 7.12-7; line 30 to Page 7.12-16; line 4</p> <p>Section 7.13.6 Project Interactions on Heritage Resources, Page 7.13-6; line 4 to 17; Table 7.13.3</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 6.4.1 Influence of Consultation on the Identification of Issues and the Assessment Process                      Page 69</p>	<p>The Application will describe information and concerns related to the VC raised through consultation with government agencies, stakeholders, Indigenous Nations and community members (i.e., members of an affected Indigenous Nation). This information will be used for the scoping of the assessment, and for informing the Application's analyses. Within each associated valued component section, a summary of the topics and key information and concerns that Cedar identified as part of its consultation and engagement efforts will be provided.</p> <p>Where made available by Indigenous Nations, traditional knowledge and traditional use studies and information, Indigenous Nation land use plans, or other documents or sources of information will be included in the assessment.</p>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; line 1 to 39</p> <p>Section 7.2.2 The Influence of Consultation and Engagement, Page 7.2-3; line 1 to 21; Table 7.2.2</p> <p>Section 7.3.2 The Influence of Consultation and Engagement, Page 7.3-5; line 13 to 20; table 7.3.2</p> <p>Section 7.4.2 The Influence of Consultation and Engagement, Page 7.4-4; line 1 to 12; Table 7.4.2</p> <p>Section 7.5.2 The Influence of Consultation and Engagement, Page 7.5-5; line 1 to 10; Table 7.5.2</p> <p>Section 7.6.2 The Influence of Consultation and Engagement, Page 7.6-5; line 18 to 25; Table 7.6.2</p> <p>Section 7.7.2 The Influence of Consultation and Engagement, Page 7.7-5; line 1 to 11; Table 7.7.2</p> <p>Section 7.8.2 The Influence of Consultation and Engagement, Page 7.8-1; line 33 to 38; Table 7.8.1</p> <p>Section 7.9.2 The Influence of Consultation and Engagement, Page 7.9-7; line 14 to 24; Table 7.9.2</p> <p>Section 7.10.2 The Influence of Consultation and Engagement, Page 7.10-6; line 1 to Page 7.10-9; line 26</p> <p>Section 7.11.2 The Influence of Consultation and Engagement, Page 7.11-2; line 4 to 12; Table 7.11.1</p> <p>Section 7.12.2 The Influence of Consultation and Engagement, Page 7.12-2; line 29 to 36; Table 7.12.1</p> <p>Section 7.13.2 The Influence of Consultation and Engagement, Page 7.13-2; line 1 to 15</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 6.4.3 Project Effects Assessment Page 76</p>	<p>The Application will follow the approach outlined below to assess positive and adverse effects of the Project on each VC. Any VC-specific deviations from these methods will be clearly described and justified. Where appropriate, information regarding residual effects on the human environment will be presented by sex, age, and other relevant identity factors, as determined through a gender-based analysis plus (GBA+1) assessment prepared in consideration of federal GBA+ guidance, to identify disproportionate residual effects for diverse subgroups. Potential effects on biophysical factors that support ecosystem function will be clearly demonstrated.</p> <p>For adverse effects, the Application will:</p> <ul style="list-style-type: none"> <li>Describe the analytical methods used to assess the adverse effect, including modelling approaches</li> <li>Identify assumptions used in the analytical methods</li> <li>Present the results of the analyses, including a detailed description of any potential residual effect (the description of the potential effect can be either qualitative or quantitative)</li> <li>Describe in qualitative terms the nature and degree of uncertainty or conservatism related to the data, modelling and methods used for the analysis, effectiveness of mitigation measures and proposed adaptive management measures, and prediction of potential residual effects (see Sections 6.5 and 6.7 for more details)</li> </ul>	<p>Section 6.7 Assessment of Effects, Page 6-15; line 1 to Page 6-18; line 35</p> <p>Section 7.2.7 Assessment of Effects on Air Quality, Page 7.2-16; line 1 to Page 7.2-28; line 41; Table 7.2.10 to 7.2.16</p> <p>Section 7.3.7 Assessment of Effects on Acoustic, Page 7.3-20; line 1 to Page 7.13-38; line 36; Table 7.3.9 to 7.3.16</p> <p>Section 7.4.7 Assessment of Effects on Vegetation Resources, Page 7.4-34; line 15 to Page 7.4-81; line 24</p> <p>Section 7.5.7 Assessment of Effects on Wildlife, Page 7.5-28; line 1 to Page 7.5-67; line 20; Table 7.5.6 to 7.5.17</p> <p>Section 7.6.7 Assessment of Effects on Freshwater Fish, Page 7.6-26; line 6 to Page 7.6-47; line 29</p> <p>Section 7.7.7 Assessment of Effects on Marine Resources, Page 7.7-26; line 1 to Page 7.7-63; line 17; Table 7.7.7 to 7.7.13</p> <p>Section 7.8.7 Assessment of Effects on Employment and Economy, Page 7.8-61; line 5 to Page 7.8-96; line 11</p> <p>Section 7.9.7 Assessment of Effects on Land and Resource Use, Page 7.9-30; line 1 to Page 7.9-65; line 36</p> <p>Section 7.10.7 Assessment of Effects on Marine Use, Page 7.10-39; line 1 to Page 7.10-68; line 16; Table 7.10.11 to 7.10.18</p> <p>Section 7.11.7 Assessment of Effects on Infrastructure and Services, Page 7.11-41; line 27 to Page 7.11-68; line 41</p> <p>Section 7.12.7 Assessment of Effects on Human Health, Page 7.12-16; line 5 to Page 7.12-37; line 22; Table 7.12.5 to 7.12.16</p> <p>Section 7.13.7 Assessment of Effects on Heritage, Page 7.13-7; line 1 to Page 7.13-9; line 19</p>



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<p>Section 6.4.3 Project Effects Assessment Page 76 - 77</p>	<p>For positive effects, the Application will:</p> <ul style="list-style-type: none"> <li>• Identify and assess key predicted positive effects</li> <li>• Describe how long-term trends (e.g., changing environment, employment and technology) and market fluctuations have been considered</li> <li>• Characterize the positive effect</li> <li>• Describe how the positive effect may be monitored and/or adaptively managed</li> </ul>	<p>Section 7.8.7.5 Summary of Project Residual Effects, Page 7.8-92; line 15 to Page 7.8-94; line 37</p> <p>Section 7.11.7.5 Summary of Project Residual Effects; Page 7.11-64; line 36 to 41</p>
<p>Section 6.4.4 Project Effects Mechanisms Page 77</p>	<p>The Application will describe how effects on VCs could occur as a result of activities associated with the Project (project-effect pathways). The VC sections will describe the project effects mechanisms for each phase applicable to that VC (i.e., construction, operation, and decommissioning). Descriptions may be based on such resources as existing knowledge of potential effects identified through literature review and knowledge of previous projects in a similar geographical and cultural context.</p>	<p>Section 6.7 Assessment of Effects, Page 6-15; line 1 to Page 6-18; line 35</p> <p>Section 7.2.7 Assessment of Effects on Air Quality, Page 7.2-16; line 1 to Page 7.2-28; line 41; Table 7.2.10 to 7.2.16</p> <p>Section 7.3.7 Assessment of Effects on Acoustic, Page 7.3-20; line 1 to Page 7.13-38; line 36; Table 7.3.9 to 7.3.16</p> <p>Section 7.4.7 Assessment of Effects on Vegetation Resources, Page 7.4-34; line 15 to Page 7.4-81; line 24</p> <p>Section 7.5.7 Assessment of Effects on Wildlife, Page 7.5-28; line 1 to Page 7.5-67; line 20; Table 7.5.6 to 7.5.17</p> <p>Section 7.6.7 Assessment of Effects on Freshwater Fish, Page 7.6-26; line 6 to Page 7.6-47; line 29</p> <p>Section 7.7.7 Assessment of Effects on Marine Resources, Page 7.7-26; line 1 to Page 7.7-63; line 17; Table 7.7.7 to 7.7.13</p> <p>Section 7.8.7 Assessment of Effects on Employment and Economy, Page 7.8-61; line 5 to Page 7.8-96; line 11</p> <p>Section 7.9.7 Assessment of Effects on Land and Resource Use, Page 7.9-30; line 1 to Page 7.9-65; line 36</p> <p>Section 7.10.7 Assessment of Effects on Marine Use, Page 7.10-39; line 1 to Page 7.10-68; line 16; Table 7.10.11 to 7.10.18</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 6.4.4 Project Effects Mechanisms  Page 77 <i>(cont'd)</i>	<i>(see above)</i>	<i>(cont'd from above)</i>  Section 7.11.7 Assessment of Effects on Infrastructure and Services, Page 7.11-41; line 27 to Page 7.11-68; line 41  Section 7.12.7 Assessment of Effects on Human Health, Page 7.12-16; line 5 to Page 7.12-37; line 22; Table 7.12.5 to 7.12.16  Section 7.13.7 Assessment of Effects on Heritage, Page 7.13-7; line 1 to Page 7.13-9; line 19
Section 6.4.5 Analytical Methods  Page 77	This section of the Application will describe the VC-specific analytical methods applied in each VC assessment. The VC section will describe the 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 limitations in modelling results or the availability or quality of data. Making conservative assumptions that lead to an overstatement of expected effects increases confidence that the characterization of residual effects on a VC is not understated.	Section 6.7 Assessment of Effects, Page 6-15; line 1 to Page 6-18; line 35  Section 7.2.7.1 Assessment Methods, Page 7.2-16; line 6 to Page 7.2-19; line 23  Section 7.3.7.1 Assessment Methods, Page 7.3-20; line 6 to Page 7.3- 22; line 16  Section 7.4.7.1 Assessment Methods, Page 7.4-34; line 22 to Page 7.4-37; line 22  Section 7.5.7.1 Assessment Methods, Page 7.5-28; line 8 to Page 7.5-31; line 7  Section 7.6.7.1 Assessment Methods, Page 7.6-26; line 9 to Page 7.6-31; line 6  Section 7.7.7.1 Assessment Methods, Page 7.7-26; line 7 to Page 7.7-28; line 22  Section 7.8.7.1 Assessment Methods, Page 7.8-61; line 10 to Page 7.8-64; line 11  Section 7.9.7.1 Assessment Methods, Page 7.9-30; line 4 to Page 7.9-32; line 17  Section 7.10.7.1 Assessment Methods, Page 7.10-39; line 4 to Page 7.10-44; line 17  Section 7.11.7.1 Assessment Methods, Page 7.11-41; line 33 to Page 7.11-44; line 17  Section 7.12.7.1 Assessment Methods, Page 7.12-16; line 24 to Page 7.12-23; line 20  Section 7.13.7.1 Assessment Methods, Page 7.13-7; line 6 to Page 7.13-7; line 31



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 6.5 Mitigation and Enhancement Measures                      Page 77 - 78</p>	<p>This section of the Application will describe the proposed mitigation and enhancement measures.</p> <p>For each VC section, the Application will:</p> <ul style="list-style-type: none"> <li>• Apply the mitigation hierarchy of avoid, minimize, restore onsite, and offset.</li> <li>• Describe the best practices and avoidance measures incorporated into the project design to reduce potential effects, including site and route selection, project scheduling, design measures (e.g., equipment selection, placement, emissions abatement measures), and construction and operation procedures and practices.</li> <li>• Describe any standard mitigation to be implemented, including consideration of best management practices, environmental management plans, environmental protection plans, contingency plans, emergency response plans, and other general practices.</li> <li>• Describe the approach used to identify and select additional mitigation measures to be implemented to address potential adverse effects (including any offset plans).</li> <li>• Describe measures that are specific to each identified effect and clearly indicate how the mitigation measures will reduce the potential adverse effects or how the enhancement measures will increase the positive effects on the VC.</li> <li>• If applicable, describe how disproportionate effects to distinct human populations were used to inform mitigation and enhancement measures.</li> </ul>	<p>Section 6.7 Assessment of Effects, Page 6-15; line 1 to Page 6-18; line 35</p> <p>Section 7.2.7 Assessment of Effects on Air Quality, Page 7.2-16; line 1 to Page 7.2-28; line 41; Table 7.2.10 to 7.2.16</p> <p>Section 7.3.7 Assessment of Effects on Acoustic, Page 7.3-20; line 1 to Page 7.13-38; line 36; Table 7.3.9 to 7.3.16</p> <p>Section 7.4.7 Assessment of Effects on Vegetation Resources, Page 7.4-34; line 15 to Page 7.4-81; line 24</p> <p>Section 7.5.7 Assessment of Effects on Wildlife, Page 7.5-28; line 1 to Page 7.5-67; line 20; Table 7.5.6 to 7.5.17</p> <p>Section 7.6.7 Assessment of Effects on Freshwater Fish, Page 7.6-26; line 6 to Page 7.6-47; line 29</p> <p>Section 7.7.7 Assessment of Effects on Marine Resources, Page 7.7-26; line 1 to Page 7.7-63; line 17; Table 7.7.7 to 7.7.13</p> <p>Section 7.8.7 Assessment of Effects on Employment and Economy, Page 7.8-61; line 5 to Page 7.8-96; line 11</p> <p>Section 7.9.7 Assessment of Effects on Land and Resource Use, Page 7.9-30; line 1 to Page 7.9-65; line 36</p> <p>Section 7.10.7 Assessment of Effects on Marine Use, Page 7.10-39; line 1 to Page 7.10-68; line 16; Table 7.10.11 to 7.10.18</p> <p>Section 7.11.7 Assessment of Effects on Infrastructure and Services, Page 7.11-41; line 27 to Page 7.11-68; line 41</p> <p>Section 7.12.7 Assessment of Effects on Human Health, Page 7.12-16; line 5 to Page 7.12-37; line 22; Table 7.12.5 to 7.12.16</p> <p>Section 7.13.7 Assessment of Effects on Heritage, Page 7.13-7; line 1 to Page 7.13-9; line 19</p> <p>Appendix A Summary of Mitigations, Page A-3 to A-79; Table A.1 Mitigation and Enhancement Measures</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 6.5 Mitigation and Enhancement Measures Page 77 – 78 (cont'd)</p>	<p>(cont'd from above)</p> <ul style="list-style-type: none"> <li>• If there is little relevant or applicable experience with a proposed mitigation measure and there is uncertainty as to its effectiveness, then the Application will describe the potential risks associated with use of the mitigation should those measures not be effective.</li> <li>• Include the anticipated time required for mitigation measures to become effective, to enable understanding of the duration of residual effects and the temporal characteristics of reversibility.</li> <li>• Summarize the mitigation measures for potential project effects by project phase and identify any mitigation measures that will be included in management or offset plans.</li> <li>• If implementation of a mitigation measure would result in a material adverse environmental effect itself, include those effects in the environmental effects assessment.</li> </ul>	<p>(see above)</p>
<p>Section 6.5 Mitigation and Enhancement Measures Page 78</p>	<p>For any proposed offsetting or compensation, the Application will provide conceptual offsetting or compensation plans that:</p> <ul style="list-style-type: none"> <li>• Describe the existing conditions</li> <li>• Describe mitigation measures and the application of principles of mitigation hierarchy</li> <li>• Identify and describe residual effects</li> <li>• Describe the proposed offsetting or compensation and provide a rationale</li> <li>• Describe how the proposed offsetting or compensation aligns with published recovery, management, or action plans and strategies.</li> </ul>	<p>No offsetting is being proposed for the Project</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 6.5 Mitigation and Enhancement Measures  Page 78 (cont'd)	(cont'd from above) <ul style="list-style-type: none"> <li>• Identify the location and timing of implementation of offsetting or compensation</li> <li>• Describe the success criteria</li> <li>• Identify the parties responsible for implementation, including monitoring and reporting</li> </ul>	(see above)
Section 6.6 Assessing Positive Effects  Page 79	For each potential positive effect, the Application will: <ul style="list-style-type: none"> <li>• Identify and assess key predicted positive effects</li> <li>• Describe how long-term trends (e.g., changing environment, employment and technology) and market fluctuations have been considered</li> <li>• Describe the positive effect quantitatively if possible, or qualitatively if quantification is not feasible or appropriate</li> <li>• Describe how the positive effect may be monitored and/or adaptively managed</li> </ul>	Section 7.8.7.5 Summary of Project Residual Effects, Page 7.8-92; line 15 to Page 7.8-94; line 37  Section 7.11.7.5 Summary of Project Residual Effects; Page 7.11-64; line 36 to 41
Section 6.7 Assessing Adverse Effects  Page 79	For each potential adverse effect, the section of the Application will: <ul style="list-style-type: none"> <li>• Present the results of the analyses, including a detailed description of any potential residual effect (the description of the potential effect can be either qualitative or quantitative).</li> <li>• Describe in qualitative terms the nature and degree of uncertainty or conservatism related to the data, modelling and methods used for the analysis.</li> <li>• Describe the effectiveness of mitigation measures and proposed adaptive management measures and describe the prediction of potential residual effects.</li> </ul>	Section 6.7 Assessment of Effects, Page 6-15; line 1 to Page 6-18; line 35  Section 7.2.7 Assessment of Effects on Air Quality, Page 7.2-16; line 1 to Page 7.2-28; line 41; Table 7.2.10 to 7.2.16  Section 7.3.7 Assessment of Effects on Acoustic, Page 7.3-20; line 1 to Page 7.13-38; line 36; Table 7.3.9 to 7.3.16  Section 7.4.7 Assessment of Effects on Vegetation Resources, Page 7.4-34; line 15 to Page 7.4-81; line 24  Section 7.5.7 Assessment of Effects on Wildlife, Page 7.5-28; line 1 to Page 7.5-67; line 20; Table 7.5.6 to 7.5.17  Section 7.6.7 Assessment of Effects on Freshwater Fish, Page 7.6-26; line 6 to Page 7.6-47; line 29



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 6.7 Assessing Adverse Effects  Page 79 (cont'd)	(see above)	(cont'd from above)  Section 7.7.7 Assessment of Effects on Marine Resources, Page 7.7-26; line 1 to Page 7.7-63; line 17; Table 7.7.7 to 7.7.13  Section 7.8.7 Assessment of Effects on Employment and Economy, Page 7.8-61; line 5 to Page 7.8-96; line 11  Section 7.9.7 Assessment of Effects on Land and Resource Use, Page 7.9-30; line 1 to Page 7.9-65; line 36  Section 7.10.7 Assessment of Effects on Marine Use, Page 7.10-39; line 1 to Page 7.10-68; line 16; Table 7.10.11 to 7.10.18  Section 7.11.7 Assessment of Effects on Infrastructure and Services, Page 7.11-41; line 27 to Page 7.11-68; line 41  Section 7.12.7 Assessment of Effects on Human Health, Page 7.12-16; line 5 to Page 7.12-37; line 22; Table 7.12.5 to 7.12.16  Section 7.13.7 Assessment of Effects on Heritage; Page 7.13-7; line 1 to Page 7.13-9; line 19
Section 6.7 Assessing Adverse Effects  Page 79 -80	Where offsetting measures are proposed to directly or indirectly address a potential effect, the Application will first describe, either quantitatively or qualitatively, as applicable, any potential effects following the implementation of measures to avoid, minimize, and restore onsite but prior to the implementation of offsetting. The change to the VC prior to the implementation of offsetting will be clearly identified and described to fully understand the consequences of the proposed Project prior to the implementation offsetting. The Application will provide context by describing the proposed suite of mitigation, the extent of anticipated change, the need for and scope of offsetting or compensation, and the residual effect.	No offsetting is proposed for the Project



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 6.8 Summary of Residual Project Effects Page 80 - 81</p>	<p>The Application will provide a characterization of residual effects following the implementation of mitigation and enhancement measures. Where best practice- or evidence-based thresholds exists, residual effects will be compared to those criteria.</p> <p>For each residual effect, the Application will:</p> <ul style="list-style-type: none"> <li>• Use the following criteria in characterizing adverse residual effects:                             <ul style="list-style-type: none"> <li>o Direction</li> <li>o Magnitude</li> <li>o Extent</li> <li>o Duration</li> <li>o Reversibility</li> <li>o Frequency</li> <li>o Affected populations</li> <li>o Risk and uncertainty</li> </ul> </li> <li>• Define the criteria used to characterize the residual effect</li> <li>• Where applicable, consider importance in characterizing the residual effect</li> <li>• Describe the likelihood of the residual effect occurring and key residual effect thresholds using appropriate quantitative or qualitative terms and sufficient description to understand how the conclusions were reached</li> </ul> <p>For each VC, the characterization of residual Project effects will be presented in a summary table following the format shown in Table 6.8.1.</p>	<p>Section 6.7 Assessment of Effects, Page 6-15; line 1 to Page 6-18; line 35</p> <p>Section 7.2.7.3, Summary of Project Residual Effects, Page 7.2-28; line 3 to line 41; Table 7.2.16</p> <p>Section 7.3.7.3, Summary of Project Residual Effects, Page 7.3-38; line 15 to 36; Table 7.3.16</p> <p>Section 7.4.7.7, Summary of Project Residual Effects, Page 7.4-77; line 1 to Page 7.4-81; line 24</p> <p>Section 7.5.7.6 Summary of Project Residual Effects, Page 7.5-67; line 1 to 20; Table 7.5.17</p> <p>Section 7.6.7.6 Summary of Project Residual Effects, Page 76-44; line 14 to 15; Table 7.6.14</p> <p>Section 7.7.7.8 Summary of Project Residual Effects, Page 7.7-63; line 1 to 17; Table 7.7.13</p> <p>Section 7.8.7.6 Summary of Project Residual Effects, Page 7.8-90; line 2 to Page 7.8-96; line 11</p> <p>Section 7.9.7.5 Summary of Project Residual Effects; Page 7.9-61; line 1 to 3; Table 7.9.16</p> <p>Section 7.10.7.5 Summary of Project Residual Effects, Page 7.10-65; line 1 to 18; Table 7.10.18</p> <p>Section 7.11.7.5 Summary of Project Residual Effects, Page 7.11-65; line 16 to Page 7.11-68; line 41</p> <p>Section 7.12.7.4 Summary of Project Residual Effects, Page 7.12-37; line 6 to 22; Table 7.12.16</p> <p>Section 7.13.7.3 Assessment of Residual Effects, Page 7.13-9; line 1 to 19</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 6.8 Summary of Residual Project Effects Page 80 - 81 (cont'd)	(cont'd from above)  When residual effects on a VC are predicted and the VC is also considered a "pathway" for other potential effects on other VCs, the Application will identify the linkages between the VCs.	(see above)
Section 6.9 Cumulative Effects Assessment Page 82	The cumulative effects assessment will include consideration of potential adverse effects requiring additional mitigation as well those of particular importance or concern (i.e., interactions rated 1 and 2 as per Section 6.4). This will be followed by an analysis of the Project's contribution to the cumulative effects.	Section 6.8 Cumulative Effects, Page 6-19; line 1 to Page 6-25; line 13  Section 7.2.8 Assessment of Cumulative Effects on Air Quality, Page 7.2-30; line 1 to Page 7.2-31; line 18; Table 7.2.17  Section 7.3.8 Assessment of Cumulative Effects on Acoustic, Page 7.3-40; line 1 to Page 7.3-42; line 41  Section 7.4.8 Assessment of Cumulative Effects on Vegetation Resources, Page 7.4-81; line 25 to Page 7.4-94; line 32; Table 7.4.24  Section 7.5.8 Assessment of Cumulative Effects on Wildlife, Page 7.5-73; line 1 to Page 7.5-84; line 29; Table 7.5.18 to 7.5.19  Section 7.6.8 Assessment of Cumulative Effects on Freshwater Fish, Page 7.6-47; line 30 to Page 7.6-1; line 27; Table 7.6.15 to 7.5.16  Section 7.7.8 Assessment of Cumulative Effects on Marine Resources, Page 7.7-67; line 1 to Page 7.7-76; line 25; Table 7.7.14 to 7.7.15  Section 7.8.8 Assessment of Cumulative Effects on Change in Employment and Economy, Page 7.8-96; line 1 to 20  Section 7.9.8 Assessment of Cumulative Effects on Land and Resource Use; Page 7.9-66; line 1 to Page 7.9-71; line 38; Table 7.9.17 to 7.9.18  Section 7.10.8 Assessment of Cumulative Effects on Marine Use, Page 7.10-68; line 1 to Page 7.10-78; line 26  Section 7.11.8 Assessment of Cumulative Effects on Infrastructure and Services, Page 7.11-69; line 1 to Page 7.11-76; line 41; Table 7.11.24 to 7.11.25



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 6.9 Cumulative Effects Assessment  Page 82 <i>(cont'd)</i>	<i>(see above)</i>	<i>(cont'd from above)</i>  Section 7.12.8 Assessment of Cumulative Effects on Human Health, Page 7.12-39; line 1 to Page 7.12-41; line 8  Section 7.13.8 Assessment of Cumulative Effects on Heritage; Page 7.13-9; line 20 to 27
Section 6.9.1 Project and Physical Activities Inclusion List  Page 82	The Application will identify past, present and reasonably foreseeable future projects and activities that have been or that are likely to be carried out that may potentially interact cumulatively with the effects of the Project. 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 to allow for a meaningful assessment, and (b) are currently undergoing an environmental assessment and/or impact assessment or (c) are in a permitting process.	Section 6.8 Cumulative Effects, Page 6-19; line 1 to Page 6-25; line 13
Section 6.9.1 Project and Physical Activities Inclusion List  Page 82	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.	Figure 6.8.1 Location of Projects on the Project Inclusion List, Page 6-19; line 12 to Page 6-23; line 17; Table 6.8.1 to Table 6.8.2



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 6.9.1 Project and Physical Activities Inclusion List                      Page 82</p>	<p>The Application will identify and justify the spatial and temporal boundaries for the cumulative effect assessment for each VC included in the cumulative effects assessment.</p>	<p>Section 6.8 Cumulative Effects, Page 6-19; line 1 to Page 6-25; line 13                      Section 7.2.8 Assessment of Cumulative Effects on Air Quality, Page 7.2-30; line 1 to Page 7.2-31; line 18; Table 7.2.17                      Section 7.3.8 Assessment of Cumulative Effects on Acoustic, Page 7.3-40; line 1 to Page 7.3-42; line 41                      Section 7.4.8 Assessment of Cumulative Effects on Vegetation Resources, Page 7.4-81; line 25 to Page 7.4-94; line 32; Table 7.4.24                      Section 7.5.8 Assessment of Cumulative Effects on Wildlife, Page 7.5-73; line 1 to Page 7.5-84; line 29; Table 7.5.18 to 7.5.19                      Section 7.6.8 Assessment of Cumulative Effects on Freshwater Fish, Page 7.6-47; line 30 to Page 7.6-1; line 27; Table 7.6.15 to 7.5.16                      Section 7.7.8 Assessment of Cumulative Effects on Marine Resources, Page 7.7-67; line 1 to Page 7.7-76; line 25; Table 7.7.14 to 7.7.15                      Section 7.8.8 Assessment of Cumulative Effects on Change in Employment and Economy, Page 7.8-96; line 1 to 20                      Section 7.9.8 Assessment of Cumulative Effects on Land and Resource Use; Page 7.9-66; line 1 to Page 7.9-71; line 38; Table 7.9.17 to 7.9.18                      Section 7.10.8 Assessment of Cumulative Effects on Marine Use, Page 7.10-68; line 1 to Page 7.10-78; line 26                      Section 7.11.8 Assessment of Cumulative Effects on Infrastructure and Services, Page 7.11-69; line 1 to Page 7.11-76; line 41; Table 7.11.24 to 7.11.25                      Section 7.12.8 Assessment of Cumulative Effects on Human Health, Page 7.12-39; line 1 to Page 7.12-41; line 8                      Section 7.13.8 Assessment of Cumulative Effects on Heritage; Page 7.13-9; line 20 to 27</p>



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<p>Section 6.9.2                      Identification of Project Effects Likely to Interact Cumulatively                      Page 85</p>	<p>Using the format of Table 6.9.2, the Application will identify the interactions between the 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 will be considered. If it is determined that the Project does not act cumulatively with other physical activities, then the assessment ends at this point because the Project will not contribute to cumulative effects.</p>	<p>Section 6.8 Cumulative Effects, Page 6-19; line 1 to Page 6-25; line 13</p> <p>Section 7.2.8 Assessment of Cumulative Effects on Air Quality, Page 7.2-30; line 1 to Page 7.2-31; line 18; Table 7.2.17</p> <p>Section 7.3.8 Assessment of Cumulative Effects on Acoustic, Page 7.3-40; line 1 to Page 7.3-42; line 41</p> <p>Section 7.4.8 Assessment of Cumulative Effects on Vegetation Resources, Page 7.4-81; line 25 to Page 7.4-94; line 32; Table 7.4.24</p> <p>Section 7.5.8 Assessment of Cumulative Effects on Wildlife, Page 7.5-73; line 1 to Page 7.5-84; line 29; Table 7.5.18 to 7.5.19</p> <p>Section 7.6.8 Assessment of Cumulative Effects on Freshwater Fish, Page 7.6-47; line 30 to Page 7.6-1; line 27; Table 7.6.15 to 7.5.16</p> <p>Section 7.7.8 Assessment of Cumulative Effects on Marine Resources, Page 7.7-67; line 1 to Page 7.7-76; line 25; Table 7.7.14 to 7.7.15</p> <p>Section 7.8.8 Assessment of Cumulative Effects on Change in Employment and Economy, Page 7.8-96; line 1 to 20</p> <p>Section 7.9.8 Assessment of Cumulative Effects on Land and Resource Use; Page 7.9-66; line 1 to Page 7.9-71; line 38; Table 7.9.17 to 7.9.18</p> <p>Section 7.10.8 Assessment of Cumulative Effects on Marine Use, Page 7.10-68; line 1 to Page 7.10-78; line 26</p> <p>Section 7.11.8 Assessment of Cumulative Effects on Infrastructure and Services, Page 7.11-69; line 1 to Page 7.11-76; line 41; Table 7.11.24 to 7.11.25</p> <p>Section 7.12.8 Assessment of Cumulative Effects on Human Health, Page 7.12-39; line 1 to Page 7.12-41; line 8</p> <p>Section 7.13.8 Assessment of Cumulative Effects on Heritage; Page 7.13-9; line 20 to 27</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 6.9.3                      Cumulative Effects Mechanisms                      Page 86</p>	<p>The Application will describe the mechanisms by which the cumulative effects identified above may occur and the geographic and temporal scope of any identified effects.</p>	<p>Section 6.8 Cumulative Effects, Page 6-19; line 1 to Page 6-25; line 13</p> <p>Section 7.2.8 Assessment of Cumulative Effects on Air Quality, Page 7.2-30; line 1 to Page 7.2-31; line 18; Table 7.2.17</p> <p>Section 7.3.8 Assessment of Cumulative Effects on Acoustic, Page 7.3-40; line 1 to Page 7.3-42; line 41</p> <p>Section 7.4.8 Assessment of Cumulative Effects on Vegetation Resources, Page 7.4-81; line 25 to Page 7.4-94; line 32; Table 7.4.24</p> <p>Section 7.5.8 Assessment of Cumulative Effects on Wildlife, Page 7.5-73; line 1 to Page 7.5-84; line 29; Table 7.5.18 to 7.5.19</p> <p>Section 7.6.8 Assessment of Cumulative Effects on Freshwater Fish, Page 7.6-47; line 30 to Page 7.6-1; line 27; Table 7.6.15 to 7.5.16</p> <p>Section 7.7.8 Assessment of Cumulative Effects on Marine Resources, Page 7.7-67; line 1 to Page 7.7-76; line 25; Table 7.7.14 to 7.7.15</p> <p>Section 7.8.8 Assessment of Cumulative Effects on Change in Employment and Economy, Page 7.8-96; line 1 to 20</p> <p>Section 7.9.8 Assessment of Cumulative Effects on Land and Resource Use; Page 7.9-66; line 1 to Page 7.9-71; line 38; Table 7.9.17 to 7.9.18</p> <p>Section 7.10.8 Assessment of Cumulative Effects on Marine Use, Page 7.10-68; line 1 to Page 7.10-78; line 26</p> <p>Section 7.11.8 Assessment of Cumulative Effects on Infrastructure and Services, Page 7.11-69; line 1 to Page 7.11-76; line 41; Table 7.11.24 to 7.11.25</p> <p>Section 7.12.8 Assessment of Cumulative Effects on Human Health, Page 7.12-39; line 1 to Page 7.12-41; line 8</p> <p>Section 7.13.8 Assessment of Cumulative Effects on Heritage; Page 7.13-9; line 20 to 27</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 6.9.4 Analytical Methods to Determine Cumulative Effects</p> <p>Page 86</p>	<p>The Application will describe methods to be used for the cumulative effects assessments (e.g., data sources, analysis).</p>	<p>Section 6.8 Cumulative Effects, Page 6-19; line 1 to Page 6-25; line 13</p> <p>Section 7.2.8 Assessment of Cumulative Effects on Air Quality, Page 7.2-30; line 1 to Page 7.2-31; line 18; Table 7.2.17</p> <p>Section 7.3.8 Assessment of Cumulative Effects on Acoustic, Page 7.3-40; line 1 to Page 7.3-42; line 41</p> <p>Section 7.4.8 Assessment of Cumulative Effects on Vegetation Resources, Page 7.4-81; line 25 to Page 7.4-94; line 32; Table 7.4.24</p> <p>Section 7.5.8 Assessment of Cumulative Effects on Wildlife, Page 7.5-73; line 1 to Page 7.5-84; line 29; Table 7.5.18 to 7.5.19</p> <p>Section 7.6.8 Assessment of Cumulative Effects on Freshwater Fish, Page 7.6-47; line 30 to Page 7.6-1; line 27; Table 7.6.15 to 7.5.16</p> <p>Section 7.7.8 Assessment of Cumulative Effects on Marine Resources, Page 7.7-67; line 1 to Page 7.7-76; line 25; Table 7.7.14 to 7.7.15</p> <p>Section 7.8.8 Assessment of Cumulative Effects on Change in Employment and Economy, Page 7.8-96; line 1 to 20</p> <p>Section 7.9.8 Assessment of Cumulative Effects on Land and Resource Use; Page 7.9-66; line 1 to Page 7.9-71; line 38; Table 7.9.17 to 7.9.18</p> <p>Section 7.10.8 Assessment of Cumulative Effects on Marine Use, Page 7.10-68; line 1 to Page 7.10-78; line 26</p> <p>Section 7.11.8 Assessment of Cumulative Effects on Infrastructure and Services, Page 7.11-69; line 1 to Page 7.11-76; line 41; Table 7.11.24 to 7.11.25</p> <p>Section 7.12.8 Assessment of Cumulative Effects on Human Health, Page 7.12-39; line 1 to Page 7.12-41; line 8</p> <p>Section 7.13.8 Assessment of Cumulative Effects on Heritage; Page 7.13-9; line 20 to 27</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 6.9.5 Mitigation and Enhancement Measures for Cumulative Effects                      Page 86</p>	<p>The Application will identify mitigation and enhancement measures that will be implemented, in addition to the previously described project-specific mitigation and enhancement measures, to reduce or manage cumulative effects.</p>	<p>Section 6.8 Cumulative Effects, Page 6-19; line 1 to Page 6-25; line 13</p> <p>Section 7.2.8 Assessment of Cumulative Effects on Air Quality, Page 7.2-30; line 1 to Page 7.2-31; line 18; Table 7.2.17</p> <p>Section 7.3.8 Assessment of Cumulative Effects on Acoustic, Page 7.3-40; line 1 to Page 7.3-42; line 41</p> <p>Section 7.4.8 Assessment of Cumulative Effects on Vegetation Resources, Page 7.4-81; line 25 to Page 7.4-94; line 32; Table 7.4.24</p> <p>Section 7.5.8 Assessment of Cumulative Effects on Wildlife, Page 7.5-73; line 1 to Page 7.5-84; line 29; Table 7.5.18 to 7.5.19</p> <p>Section 7.6.8 Assessment of Cumulative Effects on Freshwater Fish, Page 7.6-47; line 30 to Page 7.6-1; line 27; Table 7.6.15 to 7.5.16</p> <p>Section 7.7.8 Assessment of Cumulative Effects on Marine Resources, Page 7.7-67; line 1 to Page 7.7-76; line 25; Table 7.7.14 to 7.7.15</p> <p>Section 7.8.8 Assessment of Cumulative Effects on Change in Employment and Economy, Page 7.8-96; line 1 to 20</p> <p>Section 7.9.8 Assessment of Cumulative Effects on Land and Resource Use; Page 7.9-66; line 1 to Page 7.9-71; line 38; Table 7.9.17 to 7.9.18</p> <p>Section 7.10.8 Assessment of Cumulative Effects on Marine Use, Page 7.10-68; line 1 to Page 7.10-78; line 26</p> <p>Section 7.11.8 Assessment of Cumulative Effects on Infrastructure and Services, Page 7.11-69; line 1 to Page 7.11-76; line 41; Table 7.11.24 to 7.11.25</p> <p>Section 7.12.8 Assessment of Cumulative Effects on Human Health, Page 7.12-39; line 1 to Page 7.12-41; line 8</p> <p>Section 7.13.8 Assessment of Cumulative Effects on Heritage; Page 7.13-9; line 20 to 27</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 6.9.6 Summary of Cumulative Effects Page 86</p>	<p>the Application will describe the resulting residual cumulative effects using the relevant indicators and appropriate criteria described in Section 6.9.6, and any known thresholds from provincial or federal cumulative effects initiatives or regional strategies.</p>	<p>Section 6.8 Cumulative Effects, Page 6-19; line 1 to Page 6-25; line 13</p> <p>Section 7.2.8 Assessment of Cumulative Effects on Air Quality, Page 7.2-30; line 1 to Page 7.2-31; line 18; Table 7.2.17</p> <p>Section 7.3.8 Assessment of Cumulative Effects on Acoustic, Page 7.3-40; line 1 to Page 7.3-42; line 41</p> <p>Section 7.4.8 Assessment of Cumulative Effects on Vegetation Resources, Page 7.4-81; line 25 to Page 7.4-94; line 32; Table 7.4.24</p> <p>Section 7.5.8 Assessment of Cumulative Effects on Wildlife, Page 7.5-73; line 1 to Page 7.5-84; line 29; Table 7.5.18 to 7.5.19</p> <p>Section 7.6.8 Assessment of Cumulative Effects on Freshwater Fish, Page 7.6-47; line 30 to Page 7.6-1; line 27; Table 7.6.15 to 7.5.16</p> <p>Section 7.7.8 Assessment of Cumulative Effects on Marine Resources, Page 7.7-67; line 1 to Page 7.7-76; line 25; Table 7.7.14 to 7.7.15</p> <p>Section 7.8.8 Assessment of Cumulative Effects on Change in Employment and Economy, Page 7.8-96; line 1 to 20</p> <p>Section 7.9.8 Assessment of Cumulative Effects on Land and Resource Use; Page 7.9-66; line 1 to Page 7.9-71; line 38; Table 7.9.17 to 7.9.18</p> <p>Section 7.10.8 Assessment of Cumulative Effects on Marine Use, Page 7.10-68; line 1 to Page 7.10-78; line 26</p> <p>Section 7.11.8 Assessment of Cumulative Effects on Infrastructure and Services, Page 7.11-69; line 1 to Page 7.11-76; line 41; Table 7.11.24 to 7.11.25</p> <p>Section 7.12.8 Assessment of Cumulative Effects on Human Health, Page 7.12-39; line 1 to Page 7.12-41; line 8</p> <p>Section 7.13.8 Assessment of Cumulative Effects on Heritage; Page 7.13-9; line 20 to 27</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 6.10 Follow-up Strategy Pages 87-88</p>	<p>Where a positive or adverse residual effect and/or cumulative effect has been identified for a VC, the Application will include a description of a follow-up strategy, where appropriate, that:</p> <ul style="list-style-type: none"> <li>• Identifies the measures to ensure that mitigation measures are implemented as planned.</li> <li>• Identifies the measures to evaluate the effectiveness of proposed mitigation measures to meet the intended mitigation commitments and goals.</li> <li>• Identifies the regulatory instruments that include a monitoring requirement for the VC.</li> <li>• Identifies any large or complex monitoring program that is not linked to a regulatory instrument.</li> <li>• Identifies a follow-up program for environmental, health, social, or economic effects, as applicable, include disproportionate effects highlighted by GBA+.</li> <li>• Proposes an appropriate strategy (e.g., adaptive management) to apply if predicted effects and mitigation effectiveness are not as expected. This includes reference to further mitigation, involvement of key stakeholders, Indigenous Nations, government agencies and any other measures deemed necessary to manage the issue.</li> <li>• Identifies a mechanism to disseminate follow-up results among interested parties.</li> <li>• Identifies the duration and timing of the follow-up strategy.</li> </ul>	<p>Section 6.9 Follow-up Strategy, Page 6-25; line 14 to 31</p> <p>Section 7.2.10 Follow-up Strategy, Page 7.2-32; line 12 to 17</p> <p>Section 7.3.10 Follow-up Strategy, Page 7.3-43; line 19 to 23</p> <p>Section 7.4.10 Follow-up Strategy, Page 7.4-96; line 28 to 34</p> <p>Section 7.5.10 Follow-up Strategy, Page 7.5-87; line 10 to 19</p> <p>Section 7.6.10 Follow-up Strategy, Page 7.6-53; line 17 to 29</p> <p>Section 7.7.10 Follow-up Strategy, Page 7.7-81; line 1 to 11</p> <p>Section 7.8.10 Follow-up Strategy, Page 7.8-97; line 1 to 8</p> <p>Section 7.9.10 Follow-up Strategy, Page 7.9-73; line 19 to 33</p> <p>Section 7.10.10 Follow-up Strategy, Page 7.10-79; line 9 to 17</p> <p>Section 7.11.10 Follow-up Strategy, Page 7.11-78; line 11 to 16</p> <p>Section 7.12.10 Follow-up Strategy, Page 7.12-41; line 28 to 39</p> <p>Section 7.13.9 Follow-up Strategy, page 7.13-9; line 28 to 32</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 6.10 Follow-up Strategy Pages 87-88 (cont'd)	(cont'd from above) <ul style="list-style-type: none"> <li>Identifies involvement of Indigenous Nations in the follow-up strategy design and implementation, evaluation of the follow-up results, as well as any updates, including a communication mechanism between the Indigenous Nations and Cedar.</li> </ul>	(see above)
Section 7.1 Environmental and Community Context Page 88	This section of the Application will provide a landscape-level overview of the region where the Project is to be located, to set the context for the assessment and allow a comprehensive understanding of the current level of ecosystem functions and community well-being.	Section 7.1 Environmental and Community Context, Page 7.1-1 to Page 7.1-7
Section 7.2 Air Quality Page 88	The Application will provide an assessment of potential residual and cumulative effects of the Project on air quality. As appropriate, the Application will incorporate information and results of previous environmental assessments completed in the region.	Section 7.2.7.2 Assessment of Change in Air Quality, Page 7.2-19; line 24 to Page 7.2-28; line 2 Section 7.2.7.2 Assessment of Change in Air Quality, Page 7.2-24; line 24 to Page 7.2-28, line 35 Section 7.2.7.3 Summary of Project Residual Effects, Page 7.2-28; line 3 to 41; Table 7.2.16 Section 7.2.8 Assessment of Cumulative Effects on Air Quality, Page 7.2-29; line 1 to 36
Section 7.2.1 Scope of Assessment Page 88	The Application will define and describe the scope of the assessment of potential effects on air quality from the Project (during all project phases) including vessels at berth for loading.	Section 7.2.4.2 Temporal Boundaries, Line 1; page 7.2-6 Section 7.2.6 Project Interactions on Air Quality, Page 7.2-14; line 20 to 41; Table 7.2.9 Section 7.2.7.2 Assessment of Change in Air Quality, Page 7.2-19; line 24 to Page 7.2-28; line 2

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.2.1 Scope of Assessment Page 88	The Application will define and describe the scope of the assessment of potential effects on air quality from the Project (during all project phases) including vessels at berth for loading. A description of potential effects on air quality from shipping traffic along the marine shipping route will be provided. This will include results of other completed assessments in the area, a discussion of distance to the nearest sensitive receptors, and a description of these potential effects.	Section 7.2.7.1 Assessment Methods, Page 7.2-17; line 6 to Page 7.2-18; line 23 Section 7.2.7.2 Assessment of Change in Air Quality, Page 7.2-19; line 24 to Page 7.2-28; line 2 Section 7.2.7.3 Summary of Project Residual Effects, Page 7.2-28; line 3 to 41; Table 7.2.16 Appendix 7.2A Air Quality Technical Data Report Appendix 7.2B Dispersion Modelling of Air Emissions from an LNG Carrier in Transit
Section 7.2.1 Scope of Assessment Page 88-89	The assessment will include a description of statutes, policies and frameworks that are relevant to air quality management.	Section 7.2.1 Relevant Statutes, Policies and Frameworks, Page 7.2-1; line 16 to Page 7.2-2; line 9; Table 7.2.1
Section 7.2.1 Scope of Assessment Page 89	The Application will describe how information obtained through consultation with regulators, stakeholders, community members and Indigenous Nations was used in the assessment.	Section 7.2.2 The Influence of Consultation and Engagement, Page 7.2-3; line 1 to 21; Table 7.2.2
Section 7.2.1 Scope of Assessment Page 89	Where information on traditional knowledge and traditional use is obtained from Indigenous Nations through consultation, information gathering, and voluntary information sharing, the Application will describe how it was integrated into the assessment.	Section 7.2.2 The Influence of Consultation and Engagement, Page 7.2-3; line 1 to 21; Table 7.2.2
Section 7.2.1 Scope of Assessment Page 89	The air quality assessment will focus on emissions of CACs, namely SO <sub>2</sub> , NO <sub>2</sub> , CO, and PM <sub>2.5</sub> , emitted by the construction, operation and decommissioning of the LNG facility, including vessels at berth for loading.	Section 7.2.3 Selection of Potential Effects and Indicators/Measurable Parameters: Page 7.2-5; line 1 to 9; Table 7.2-3 Appendix 7.2A Air Quality Technical Data Report
Section 7.2.1 Scope of Assessment Page 89	The Application will define potential effects to air quality and outline indicators that will be used to measure these effects, following the methods outlined in Section 6.4.2.	Section 7.2.3 Selection of Potential Effects and Indicators/Measurable Parameters: Page 7.2-5; line 1 to 9; Table 7.2-3



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.2.1 Scope of Assessment Page 89	Table 7.2.1 presents the potential project effect to air quality and the indicators that will be used in the Application to evaluate the potential project effect.	Section 7.2.3 Selection of Potential Effects and Indicators/Measurable Parameters: Page 7.2-5; line 1 to 9; Table 7.2-3  Section 7.2.1 Relevant Statutes, Policies and Frameworks, Page 7.2-1; line 16 to Page 7.2-2; line 9; Table 7.2.1
Section 7.2.1 Scope of Assessment Page 89	The Application will identify and justify the spatial and temporal boundaries for the air quality assessment.	Section 7.2.4.1 Spatial Boundaries, Page 7.2-5; line 10 to 20  Section 7.2.4.2 Temporal Boundaries, Page 7.2-6, line 1 to 12
Section 7.2.1 Scope of Assessment Page 89	An air dispersion model for the FLNG facility will be prepared in accordance with the current <i>British Columbia Air Quality Dispersion Modelling Guideline</i> (ENV 2015).	Section 7.2.7.1 Assessment Methods, Page 7.2-16; line 6 to Page 7.2-19; line 23  Section 7.2.5.4 Summary of Base Case Dispersion Modelling Results, Page 7.2-10; line 38 to Page 7.2-12; line 18; Table 7.2.6; Table 7.2.7; Table 7.2.8  Section 7.2.7.2 Assessment of Change in Air Quality, Page 7.2-19; line 24 to Page 7.2-28; line 2  Appendix 7.2A Air Quality Technical Data Report
Section 7.2.1 Scope of Assessment Page 89	The air quality assessment will describe four dispersion model scenarios: <ul style="list-style-type: none"> <li>• Base Case—existing and approved regional source emissions</li> <li>• Project-Along Case—Project-alone emissions</li> <li>• Application Case—Project and regional source emissions</li> <li>• Cumulative Case—Application case and emissions from reasonably foreseeable projects</li> </ul>	Section 7.2.5.4 Summary of Base Case Dispersion Modelling Results, Page 7.2-10; line 38 to Page 7.2-12; line 18; Table 7.2.6; Table 7.2.7; Table 7.2.8  Section 7.2.7.2 Assessment of Change in Air Quality, Page 7.2-24, line 6 to Page 7.2-24, line 20, Table 7.2.12  Section 7.2.8 Assessment of Cumulative Effects on Air Quality, Page 7.2-30, line 1 to Page 7.2-31, line 18; Table 7.2.17  Appendix 7.2A Air Quality Technical Data Report

AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 7.2.1 Scope of Assessment Page 90</p>	<p>Based on feedback from Indigenous Nations and other stakeholders, a plume behaviour study of emissions from LNG carriers and associated tugboats will be prepared using dispersion modelling.</p>	<p>Section 7.2.7.1 Assessment Methods, Page 7.2-17; line 6 to Page 7.2-18; line 23 Section 7.2.7.2 Assessment of Change in Air Quality, Page 7.2-24, line 6 to Page 7.2-24, line 20, Table 7.2.12 Section 7.2.7.3 Summary of Project Residual Effects, Page 7.2-28; line 3 to 41; Table 7.2.16 Appendix 7.2B Dispersion Modelling of Air Emissions from an LNG Carrier in Transit</p>
<p>Section 7.2.1 Scope of Assessment Page 90</p>	<p>Locations along the shipping route that <del>are</del> represent open terrain in Hecate Strait and confined terrain along Douglas Channel will be assessed for the entire shipping route.</p>	<p>Section 7.2.7.1 Assessment Methods, Page 7.2-17; line 6 to Page 7.2-18; line 23 Section 7.2.7.2 Assessment of Change in Air Quality, Page 7.2-24, line 6 to Page 7.2-24, line 20, Table 7.2.12 Section 7.2.7.3 Summary of Project Residual Effects, Page 7.2-28; line 3 to 41; Table 7.2.16 Appendix 7.2B Dispersion Modelling of Air Emissions from an LNG Carrier in Transit</p>
<p>Section 7.2.1 Scope of Assessment Page 90</p>	<p>The LAA and RAA are the same and will be used to assess both project-specific effects on air quality and cumulative effects of regional and foreseeable future projects.</p>	<p>Section 7.2.4.1 Spatial Boundaries, Page 7.2-5; line 10 to 20 Appendix 7.2A Air Quality Technical Data Report</p>
<p>Section 7.2.1 Scope of Assessment Page 90</p>	<p>The Application will also define any administrative or technical boundaries that may constrain the assessment of potential project effects.</p>	<p>Section 7.2.4.3 Administrative Boundaries: Page 7.2-6, Line 14 to Page 7.2-6, Line 16 Section 7.2.4.4 Technical Boundaries: Page 7.2-6, Line 17 to Page 7.2-7, Line 10</p>
<p>Section 7.2.2 Existing Conditions Page 90</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe major direct and indirect sources of baseline air emissions in the assessment areas, including mobile, stationary and fugitive emissions.</li> </ul>	<p>Section 7.2.5.3 Existing and Approved Emission Sources: Page 7.2-11, line 1 to Page 7.2-11 line 15 Appendix 7.2A Air Quality Technical Data Report</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.2.2 Existing Conditions Page 90	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Characterize ambient concentrations of criteria air contaminants (e.g., PM<sub>2.5</sub>, PM<sub>10</sub>, CO, SO<sub>2</sub>, and NO<sub>2</sub>) using monitoring data with appropriate duration, representativeness, data completeness, data validation and quality control.</li> </ul>	<p>Section 7.2.5.2 Existing Air Quality, Page 7.2-8, line 8 to Page 7.2-10, line 22, Table 7.2.5</p> <p>Appendix 7.2A Air Quality Technical Data Report</p>
Section 7.2.2 Existing Conditions Page 90	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Predict Base Case using air dispersion modelling developed in accordance with the British Columbia Dispersion Modelling Guideline (ENV 2015), to determine the spatial distribution of pollutants in the assessment area.</li> </ul>	<p>Section 7.2.5.4 Summary of Base Case Dispersion Modelling Results, Page 7.2-10; line 38 to Page 7.2-12; line 18; Table 7.2.6; Table 7.2.7; Table 7.2.8</p> <p>Appendix 7.2A Air Quality Technical Data Report</p>
Section 7.2.2 Existing Conditions Page 90	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe the local and regional climate including historical records of relevant meteorological information (e.g., precipitation, air temperature, wind).</li> </ul>	<p>Section 7.2.5.1 Regional Climate, Page 7.2-7, Line 28 to Page 7.2-8; line 7, Table 7.2.4</p> <p>Appendix 7.2A Air Quality Technical Data Report</p>
Section 7.2.2 Existing Conditions Page 90	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe available Indigenous or local knowledge related to current air quality conditions</li> </ul>	<p>Section 7.2.2 The Influence of Consultation and Engagement, Page 7.2-3; line 1 to 21; Table 7.2.2</p> <p>Section 7.2.5.2 Existing Air Quality: Page 7.2-8, Line 16 to Page 7.2-8, Line 31</p>
Section 7.2.3 Project Interactions Page 90	<p>The Application will include a description of project interactions with air quality, as identified in Table 6.4.1, following the methods outlined in Section 6.4.</p>	<p>Section 7.2.6 Project Interactions on Air Quality, Page 7.2-14; line 20 to 41; Table 7.2.9</p> <p>Appendix 7.2A Air Quality Technical Data Report</p> <p>Appendix 7.2B Dispersion Modelling of Air Emissions from an LNG Carrier in Transit</p>
Section 7.2.4 Project Effects Assessment Page 91	<p>The assessment of Project residual effects on air quality will follow the methods outlined in Sections 6.4. through 6.8</p>	<p>Section 7.2.7.1 Assessment Methods, Page 7.2-17; line 6 to Page 7.2-18; line 23</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.2.4 Project Effects Assessment Page 91	The Application 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> </ul>	Section 7.2.7.1 Assessment Methods, Page 7.2-17; line 6 to Page 7.2-18; line 23
Section 7.2.4 Project Effects Assessment Page 91	The Application will include: <ul style="list-style-type: none"> <li>A description of the project mechanisms with potential to result in effects to the VC.</li> </ul>	Section 7.2.7.2 Assessment of Change in Air Quality: Page 7.2-20, Line 27 to Page 7.2-20, Line 35
Section 7.2.4 Project Effects Assessment Page 91	The Application will include: <ul style="list-style-type: none"> <li>A description of mitigation measures to manage adverse effects and enhancement measures to augment positive effects.</li> </ul>	Section 7.2.7.2 Assessment of Change in Air Quality: Page 7.2-20, Line 36 to Page 7.2-20, Line 9, Page 7.2-21 to Page 7.2-22, Table 7.2.11
Section 7.2.4 Project Effects Assessment Page 91	The Application will include: <ul style="list-style-type: none"> <li>An assessment of positive and adverse effects of the Project and a characterization of project-specific residual effects.</li> </ul>	Section 7.2.7.3 Summary of Project Residual Effects, Page 7.2-28; line 3 to 41; Table 7.2.16
Section 7.2.5 Cumulative Effects Page 91	The Application will provide an assessment of the cumulative effects to air quality, following the procedure described in Section 6.9.	Section 7.2.8 Assessment of Cumulative Effects on Air Quality, Page 7.2-30, line 1 to Page 7.2-31, line 18; Table 7.2.17
Section 7.2.5 Cumulative Effects Page 91	The Application will describe the likelihood of adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 7.2.8 Assessment of Cumulative Effect on Air Quality: Page 7.2-32, Line 1 to Page 7.2-32, Line 26, Page 7.2-33, Table 7.2.17
Section 7.2.6 Follow-up Strategy Page 91	The Application will provide a follow-up strategy if a positive or adverse residual effect and/or cumulative effect has been identified in the assessment of air quality, following the procedure described in Section 6.10.	Section 7.2.10 Follow-up Strategy, Page 7.2-34; line 12 to line 17



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.3 Acoustic Page 91	The Application will provide an assessment of potential residual and cumulative effects of the Project on the acoustic environment.	Section 7.3.7.2 Assessment of Increased Noise Levels, Page 7.3-22; line 17 to Page 7.3-38; line 14 Section 7.3.8 Assessment of Cumulative Effects on Acoustic, Page 7.3-40; line 1 to Page 7.3-42; line 41
Section 7.3 Acoustic Page 91	Underwater noise effects will be considered in the marine resources VC.	Section 7.3.7 Assessment of Effects, Page 7.7-24; line 7 to Page 7.7-75; line 1
Section 7.3 Acoustic Page 91	As appropriate, the Application will incorporate information and results of previous environmental assessments completed in the region.	Section 7.3.5.1 Methods, Page 7.3-14 Line 8 to Page 7.3-15 Line 17 Table 7.3.5 Monitored Baseline Sound Levels from LNG Canada, Page 7.3-14 Appendix 7.2A Air Quality Technical Data Report
Section 7.3.1 Scope of Assessment Page 91	The Application will define and describe the scope of the assessment of potential effects on the acoustic environment from the Project (during all project phases). This includes a quantitative assessment of potential effects on the acoustic environment from shipping traffic along the marine shipping route.	Section 7.3.3 Selection of Potential Effects and Indicators/Measurable Parameters, Page 7.3-7; line 1 Section 7.3.4 Boundaries, Page 7.3-7; line 14 to Page 7.3-9; line 16; Table 7.3.4 Section 7.3.6 Project Interactions on Acoustic, Page 7.3-18; line 1 to 13; Table 7.3.8
Section 7.3.1 Scope of Assessment Page 92	The assessment will include a description of statutes, policies and frameworks that are relevant to noise management. Policies and frameworks relevant to the noise VC include: <ul style="list-style-type: none"> <li>• Guidance for Evaluating Human Health Impacts in Environmental Assessment: Noise (Health Canada 2017)</li> <li>• British Columbia Noise Control Best Practices Guideline (OGC 2021)</li> </ul>	Section 7.3.1 Relevant Statutes, Policies and Frameworks, Page 7.3-1; line 18 to Page 7.3-5; line 12

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.3.1 Scope of Assessment Page 92	District of Kitimat noise bylaws regulate noise generated by typical residential activities (e.g., musical instruments, pets, power tools) and do not provide quantitative sound level limits for industrial activities; therefore, the assessment will focus on provincial and federal noise guidance.	Section 7.3.1 Relevant Statutes, Policies and Frameworks, Page 7.3-1; line 18 to Page 7.3-5; line 12
Section 7.3.1 Scope of Assessment Page 92	The Application will describe how information obtained through consultation with regulators, stakeholders, community members and Indigenous Nations was used in the assessment.	Section 7.3.2 The Influence of Consultation and Engagement, Page 7.3-5; line 13 to 20; table 7.3.2
Section 7.3.1 Scope of Assessment Page 92	Where information on traditional knowledge and traditional use is obtained from Indigenous Nations through consultation, information gathering, and voluntary information sharing, the Application will describe how it was integrated into the assessment.	Section 7.3.2 The Influence of Consultation and Engagement, Page 7.3-5; line 13 to 20; table 7.3.2 Section 7.3.4.4 Technical Boundaries; Page 7.3-9 Line 1 to 16 Section 7.4.5 Existing Conditions; Page 7.3-13; line 14 to 23
Section 7.3.1 Scope of Assessment Page 92	The acoustic assessment will focus on potential noise effects on nearby noise sensitive receptors during the construction and operation phases. Noise during the decommissioning phase is expected to be the same or lower than during the construction phase.	Section 7.3.3 Selection of Potential Effects and Indicators/Measurable Parameters; Page 7.3-7; Line 1 to 12; Table 7.3.3 Section 7.3.4.1 Spatial Boundaries; Page 7.3-7; line 14 to and Page 7.3-8; line 8 Section 7.3.4.2 Temporal Boundaries; Page 7.3-8; line 9 to 33 Table 7.3.4 Noise Sensitive Receptor Locations for the Project; Page 7.3-10, Page 7.3-11, Page 7.3-12
Section 7.3.1 Scope of Assessment Page 92	The Application will define potential effects to the acoustic environment and outline indicators that will be used to measure these effects, following the methods outlined in Section 6.4.2	Section 7.3.3 Selection of Potential Effects and Indicators/Measurable Parameters; Page 7.3-7; Line 1 to 12; Table 7.3.3 Section 7.3.7.1 Assessment Methods – Analytical Assessment Techniques, Page 7.3-20; line 12 to 33
Section 7.3.1 Scope of Assessment Page 93	The Application will identify and justify the spatial and temporal boundaries for the acoustic assessment. Anticipated spatial boundaries are presented in Table 6.2.1 and Table 6.2.2 (Figure 6.2.2).	Section 7.3.4 Boundaries; Page 7.3-7; line 14 to Page 7.3-9; line 16; Table 7.3.4 Section 7.3.4.1 Spatial Boundaries; Page 7.3-7; line 14 to and Page 7.3-8; line 8 Section 7.3.4.2 Temporal Boundaries; Page 7.3-8; line 9 to 33

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.3.1 Scope of Assessment Page 93	The LAA and RAA are the same and will be used to assess both project-specific effects on the acoustic environment and cumulative effects of regional and reasonably foreseeable future projects.	Section 7.3.4.1 Spatial Boundaries; Page 7.3-7; line 14 to and Page 7.3-8; line 8
Section 7.3.1 Scope of Assessment Page 93	The Application will also define any administrative or technical boundaries that may constrain the assessment of potential project effects.	Section 7.3.4.3 Administrative Boundaries, Page 7.3-8; line 34 to 36 Section 7.3.4.4 Technical Boundaries, Page 7.3-9, line 1 to 16
Section 7.3.2 Existing Conditions Page 93	The Application will: <ul style="list-style-type: none"> <li>Provide information on receptors in the assessment areas and distances of receptors from the Project</li> </ul>	Section 7.3.4.4 Technical Boundaries, Page 7.3-9, line 1 to 16; Table 7.3.4
Section 7.3.2 Existing Conditions Page 93	The Application will: <ul style="list-style-type: none"> <li>Describe estimated baseline sound levels at key receptor points based on information available in similar assessments within the region and regulatory noise guidelines</li> </ul>	Section 7.3.5.2 Methods, Page 7.3-13; line 24 to Page 7.3-14; line 18; Table 7.3.5
Section 7.3.2 Existing Conditions Page 93	The Application will: <ul style="list-style-type: none"> <li>Describe typical sound sources, geographic extent and temporal variations</li> </ul>	Section 7.3.5 Existing Conditions, Page 7.3-13; line 1 to Page 7.3-15; line 17; Table 7.3.5 to 7.3.6
Section 7.3.2 Existing Conditions Page 93	The Application will: <ul style="list-style-type: none"> <li>Describe current conditions related to noise for occupants or resource users</li> </ul>	Section 7.3.5.3 Overview, Page 7.3-15; line 1 to 17; Table 7.3.6; Table 7.3.7
Section 7.3.2 Existing Conditions Page 93	The Application will: <ul style="list-style-type: none"> <li>Describe available Indigenous or local knowledge related to the current condition of the acoustic environment</li> </ul>	Section 7.3.2 The Influence of Consultation and Engagement, Page 7.3-5; line 13 to 20; table 7.3.2 Section 7.3.4.4 Technical Boundaries, Page 7.3-9, line 1 to 16; Table 7.3.4 Section 7.3.5.1 Methods, Page 7.3-14 Line 8 to Page 7.3-15 Line 17



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.3.3 Project Interactions Page 93	The Application will include a description of the project interactions with the acoustic environment, as identified in Table 6.4.1, following the methods outlined in Section 6.4.	Section 7.3.6 Project Interactions on Acoustic, Page 7.3-18; line 1 to 13; Table 7.3.8
Section 7.3.4 Project Effects Assessment Page 94	The assessment of project residual effects on the acoustic environment will follow the methods outlined in Sections 6.4 through 6.8. The Application 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> </ul>	Section 7.3.7.1 Assessment Methods, Page 7.3-20; line 12 to Page 7.3-22; line 16
Section 7.3.4 Project Effects Assessment Page 94	The Application will include: <ul style="list-style-type: none"> <li>A description of the project mechanisms with potential to result in effects to the VC.</li> </ul>	Section 7.3.7.2 Assessment of Increased Noise Levels, Page 7.3-22; line 17 to Page 7.3-23; line 6
Section 7.3.4 Project Effects Assessment Page 94	The Application will include: <ul style="list-style-type: none"> <li>A description of mitigation measures to manage adverse effects and enhancement measures to augment positive effects.</li> </ul>	Section 7.3.7.2 Assessment of Increased Noise Levels - Mitigation and Enhancement Measures; Page 7.3-22; line 7 to 27; Table 7.3.10
Section 7.3.4 Project Effects Assessment Page 94	The Application will include: <ul style="list-style-type: none"> <li>An assessment of positive and adverse effects of the Project and a characterization of project-specific residual effects.</li> </ul>	Section 7.3.7.2 Assessment of Increased Noise Levels - Project Residual Effects, Page 7.3-27; line 1 to Page 7.3-38; line 36; Table 7.3.16
Section 7.3.5 Cumulative Effects Page 94	The Application will provide an assessment of the cumulative effects to the acoustic environment, following the procedure described in Section 6.9.	Section 7.3.8 Assessment of Cumulative Effects on Acoustic, Page 7.3-40; line 1 to Page 7.3-42; line 41
Section 7.3.5 Cumulative Effects Page 94	The Application will describe the likelihood of adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 7.3.8.3 Summary of Cumulative Effects, Page 7.3-41; line 5 to Page 7.4-42; line 41



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.3.6 Follow-up Strategy Page 94	The Application will provide a follow-up strategy if a positive or adverse residual effect and/or cumulative effect has been identified in the assessment of the acoustic environment, following the procedure described in Section 6.10.	Section 7.3.10 Follow-up Strategy; Page: 7.3-43; line 19 to 23
Section 7.4 Vegetation Resources Page 94	The Application will provide an assessment of potential residual and cumulative effects of the Project on vegetation resources.	Section 7.4.7 Assessment of Effects on Vegetation Resources, Page 7.4-34; line 15 to Page 7.4-81; line 24 Section 7.4.8 Assessment of Cumulative Effects on Vegetation Resources, Page 7.4-81; line 25 to Page 7.4-94; line 32; Table 7.4.24
Section 7.4 Vegetation Resources Page 94	As appropriate, the Application will incorporate information and results of previous environmental assessments completed in the region.	Section 7.4.5.1 Methods, Page 7.4-14; line 19 to 21 Section 7.4.5.1 Methods, Page 7.4-14; line 34 to 36
Section 7.4.1 Scope of Assessment Page 94	The Application will define and describe the scope of the assessment of potential effects on vegetation resources from the Project (during all project phases).	Section 7.4.3 Selection of Potential Effects and Indicators/Measurable Parameters: Page 7.4-8; line 1 to Page 7.4-10; line 14 Section 7.4.4 Boundaries, Page 7.4-10; line 15 to Page 7.4-13; line 37
Section 7.4.1 Scope of Assessment Page 94-95	The assessment will include a description of statutes, policies and frameworks that are relevant to vegetation and wetland management. Policies and frameworks relevant to the vegetation resources VC include: <ul style="list-style-type: none"> <li>• <i>Species at Risk Act</i></li> <li>• The Federal Policy on Wetland Conservation (Government of Canada 1991)</li> <li>• <i>Oil and Gas Activities Act</i>, including Environmental Protection and Management Regulation and Environmental Protection and Management Guideline.</li> <li>• <i>Forest and Range Practices Act</i></li> <li>• <i>Forest Act</i></li> <li>• <i>Weed Control Act</i></li> </ul>	Section 7.4.1 Relevant Statutes, Policies and Frameworks, Page 7.4-1; line 20 to 25; Table 7.4.1

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 7.4.1 Scope of Assessment Page 94-95 (cont'd)</p>	<p>(cont'd from above)</p> <ul style="list-style-type: none"> <li>• Water Sustainability Act</li> <li>• British Columbia Conservation Framework</li> <li>• Environmental Mitigation Policy for British Columbia</li> <li>• Ministry of Environment and Climate Change Strategy Critical Load Screening Guidance for Acidification and Eutrophication of Terrestrial Ecosystems</li> </ul>	<p>(see above)</p>
<p>Section 7.4.1 Scope of Assessment Page 95</p>	<p>The Application will describe how information obtained through consultation with regulators, stakeholders, community members and Indigenous Nations was used in the assessment.</p>	<p>Section 7.4.2 The Influence of Consultation and Engagement, Page 7.4-4; line 1 to 12; Table 7.4.2</p>
<p>Section 7.4.1 Scope of Assessment Page 95</p>	<p>Where information on traditional knowledge and traditional use is obtained from Indigenous Nations through consultation, information gathering, and voluntary information sharing, the Application will describe how it was integrated into the assessment.</p>	<p>Section 7.4.2 The Influence of Consultation and Engagement, Page 7.4-4; line 1 to 12; Table 7.4.2</p>
<p>Section 7.4.1 Scope of Assessment Page 95</p>	<p>The Application will define potential effects to vegetation resources and outline indicators that will be used to measure these effects, following the methods outlined in Section 6.4.2.</p> <p>Table 7.4.1 presents the potential project effects to vegetation resources and the indicators that will be used in the Application to evaluate the potential project effects.</p>	<p>Section 7.4.3 Selection of Potential Effects and Indicators/Measurable Parameters: Page 7.4-8; line 1 to Page 7.4-10; line 14</p>
<p>Section 7.4.1 Scope of Assessment Page 96</p>	<p>The Application will identify and justify the spatial and temporal boundaries for the vegetation assessment.</p>	<p>Section 7.4.4 Boundaries, Page 7.4-10; line 15 to Page 7.4-13; line 37</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.4.1 Scope of Assessment Page 96	Project-specific effects on vegetation resources will be assessed within the LAA while cumulative effects of regional and reasonably foreseeable future projects will be assessed within the RAA.	Section 7.4.4.1 Spatial Boundaries, Page 7.4-10; line 31 to Page 7.4-11; line 19
Section 7.4.1 Scope of Assessment Page 96	The Application will also define any administrative or technical boundaries that may constrain the assessment of potential project effects.	Section 7.4.4.3 Administrative Boundaries, Page 7.4-12; line 6 to 19 Section 7.4.4.4 Technical Boundaries, Page 7.4-12; line 20 to Page 7.4-13; line 37
Section 7.4.2 Existing Conditions Page 96	For the LAA, the Application will: <ul style="list-style-type: none"> <li>Identify and classify terrestrial ecosystems according to <i>A Field Guide to Site Identification and Interpretation for the Prince Rupert Forest Region</i> (Banner et al. 1993) and Terrestrial Ecosystem Mapping (TEM), which will be completed to survey intensity level 3 standards (RIC 1998a) and a scale of 1:5,000</li> </ul>	Section 7.4.5.1 Methods, Page 7.4-16; line 10 to 12 Appendix 7.4-A Vegetation Resources Technical Data Report -Section 4.1 Methods, Page 14
Section 7.4.2 Existing Conditions Page 96	For the LAA, the Application will: <ul style="list-style-type: none"> <li>Describe the location, extent and condition of ecological communities of conservation concern.</li> </ul>	Section 7.4.5.2 Overview, Page 7.4-27; line 27 to Page 7.4-28; line 13 Appendix 7.4-A Vegetation Resources Technical Data Report -Section 4.2.5 Ecological Communities at Risk, Page 26 to Page 29
Section 7.4.2 Existing Conditions Page 96	For the LAA, the Application will: <ul style="list-style-type: none"> <li>Identify and classify wetland associations following <i>Wetlands of British Columbia: A Guide to Identification</i> (Mackenzie and Moran 2004) and characterize wetland functions.</li> </ul>	Section 7.4.5.1 Methods, Page 7.4-16; line 12 to 15. Section 7.4.5.2 Overview, Page 7.4-29; line 1 to Page 7.4-30; line 18
Section 7.4.2 Existing Conditions Page 96	For the LAA, the Application will: <ul style="list-style-type: none"> <li>Identify the location and extent of old forest ecosystems.</li> </ul>	Section 7.4.5.2 Overview, Page 7.4-28; line 14 to 34



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.4.2 Existing Conditions Page 96	For the LAA, the Application will: <ul style="list-style-type: none"> <li>Identify the location and abundance of plant species at risk, based on targeted field surveys as applicable.</li> </ul>	Section 7.4.5.2 Overview, Page 7.4-27; line 1 to 6
Section 7.4.2 Existing Conditions Page 96	For the LAA, the Application will: <ul style="list-style-type: none"> <li>Describe the presence and abundance of invasive and non-native species.</li> </ul>	Section 7.4.5.2 Overview, Page 7.4-27; line 14 to 26
Section 7.4.2 Existing Conditions Page 96	For the LAA, the Application will: <ul style="list-style-type: none"> <li>Provide information on the presence of traditional use plants, integrating available Indigenous and local knowledge as applicable.</li> </ul>	Section 7.4.5.2 Overview, Page 7.4-27; line 7 to 13
Section 7.4.3 Project Interactions Page 97	The Application will include a description of the project interactions with vegetation resources, as identified in Table 6.4.1, following the methods outlined in Section 6.4.	Section 7.4.6 Project Interactions on Vegetation Resources, Page 7.4-32; line 23 to Page 7.4-34; line 14
Section 7.4.4 Project Effects Assessment Page 97	The assessment of project residual effects on vegetation resources will follow the methods outlined in Section 6.4 through 6.8	Section 7.4.7.1 Assessment Methods, Page 7.4-34; line 22 to Page 7.4-37; line 22
Section 7.4.4 Project Effects Assessment Page 97	The Application 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> </ul>	Section 7.4.7.2 Assessment of Change in Abundance of Plant Species of Interest, Page 7.4-37; line 23 to Page 7.4-38; line 9  Section 7.4.7.3 Assessment of Change in Abundance or Condition of Ecological Communities of Interest, Page 7.4-47; line 32 to Page 7.4-48; line 13  Section 7.4.7.4 Assessment of Change in Wetland Functions, Page 7.4-61; line 25 to Page 7.4-62; line 28  Section 7.4.7.5 Assessment of Change in Native Vegetation Health and Diversity Due to Air Emissions, Page 7.4-70; line 1 to Page 7.4-71; line 11



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.4.4 Project Effects Assessment Page 97	The Application will include: <ul style="list-style-type: none"> <li>A description of the project mechanisms with potential to result in effects to the VC</li> </ul>	Section 7.4.7.2 Assessment of Change in Abundance of Plant Species of Interest, Page 7.4-38; line 10 to 20 Section 7.4.7.3 Assessment of Change in Abundance or Condition of Ecological Communities of Interest, Page 7.4-48; line 14 to 22 Section 7.4.7.4 Assessment of Change in Wetland Functions, Page 7.4-62; line 29 to 35 Section 7.4.7.5 Assessment of Change in Native Vegetation Health and Diversity Due to Air Emissions, Page 7.4-71; line 12 to 34
Section 7.4.4 Project Effects Assessment Page 97	The Application will include: <ul style="list-style-type: none"> <li>A description of mitigation measures to manage adverse effects and enhancement measures to augment positive effects</li> </ul>	Section 7.4.7.2 Assessment of Change in Abundance of Plant Species of Interest – Mitigation and Enhancement Measures, Page 7.4-38; line 21 to 38; Table 7.4.9 Section 7.4.7.3 Assessment of Change in Abundance or Condition of Ecological Communities of Interest – Mitigation and Enhancement Measures, Page 7.4-48; line 23 to 29; Table 7.4.11 Section 7.4.7.4 Assessment of Change in Wetland Functions – Mitigation and Enhancement Measures, Page 7.4-62; line 36 to 41; Table 7.4.15 Section 7.4.7.5 Assessment of Change in Native Vegetation Health and Diversity Due to Air Emissions– Mitigation and Enhancement Measures, Page 7.4-71; line 35 to 41; Table 7.4.17
Section 7.4.4 Project Effects Assessment Page 97	The Application will include: <ul style="list-style-type: none"> <li>An assessment of positive and adverse effects of the Project and a characterization of project-specific residual effects</li> </ul>	Section 7.4.7.2 Assessment of Change in Abundance of Plant Species of Interest – Project Residual Effect, Page 7.4-42; line 1 to Page 7.4-47; line 13 Section 7.4.7.3 Assessment of Change in Abundance or Condition of Ecological Communities of Interest – Project Residual Effect, Page 7.4-52; line 1 to Page 7.4-60; line 40 Section 7.4.7.4 Assessment of Change in Wetland Functions – Project Residual Effect, Page 7.4-65; line 1 to Page 7.4-69; line 20 Section 7.4.7.5 Assessment of Change in Native Vegetation Health and Diversity Due to Air Emissions – Project Residual Effect, Page 7.4-74; line 1 to Page 7.4-75; line 33



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.4.5 Cumulative Effects Page 97	The Application will provide an assessment of the cumulative effects to vegetation resources, following the procedure described in Section 6.9.	Section 7.4.8 Assessment of Cumulative Effects on Vegetation Resources – Project Residual Effect, Page 7.4-81; line 25 to Page 7.4-94; line 32; Table 7.4.24
Section 7.4.5 Cumulative Effects Page 97	The Application will describe the likelihood of adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 7.4.8.3 Change in Abundance of Plant Species of Interest – Likelihood of Cumulative Effects, Page 7.4-87; line 9 to 14  Section 7.4.8.4 Change in Abundance or Condition of Ecological Communities of Interest – Likelihood of Cumulative Effects, Page 7.4-89; line 5 to 8  Section 7.4.8.5 Change in Wetland Functions – Likelihood of Cumulative Effects, Page 7.4-91; line 11 to 17  Section 7.4.8.6 Change in Native Vegetation Health and Diversity Due to Air Emissions – Likelihood of Cumulative Effects, Page 7.4-93; line 34 to 43  Section 7.4.8.7 Summary of Cumulative Effects – Likelihood of Cumulative Effects, Page 7.4-94; line 1 to Page 7.4-95
Section 7.4.6 Follow-up Strategy Page 97	The Application will provide a follow-up strategy if a positive or adverse residual effect and/or cumulative effect has been identified in the assessment of vegetation resources, following the procedure described in Section 6.10.	Section 7.4.10 Follow-up Strategy: Page 7.4-96 Line 28 to 34
Section 7.5 Wildlife Page 97	The Application will provide an assessment of residual and cumulative effects of the Project on wildlife.	Section 7.5.7 Assessment of Effects on Wildlife, Page 7.5-28; line 1 to Page 7.5-67; line 20; Table 7.5.17  Section 7.5.8 Assessment of Cumulative Effects on Wildlife, Page 7.5-73; line 1 to Page 7.5-84; line 29; Table 7.5.19
Section 7.5 Wildlife Page 97	As appropriate, the Application will incorporate information and results of previous environmental assessments completed in the region.	Section 7.5.5.1 Methods, Page 7.5-14; line 36 to Page 7.5-18; line 11

AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.5.1 Scope of Assessment Page 98	The Application will define and describe the scope of the assessment of potential effects on wildlife from the Project (during all project phases) and from marine shipping and transportation.	Section 7.5.3 Selection of Potential Effects and Indicators/Measurable Parameters, Page 7.5-9; line 1 to Page 7.5-11; line 3 Section 7.5.4 Boundaries, Page 7.5-11; line 4 to Page 7.5-14; line 31
Section 7.5.1 Scope of Assessment Page 98	The assessment will include a description of statutes, policies and frameworks that are relevant to wildlife management. Policies and framework relevant to the wildlife VC include: <ul style="list-style-type: none"> <li>• <i>Species at Risk Act</i></li> <li>• <i>Oil and Gas Activities Act</i>, including Environmental Protection and Management Regulation and Environmental Protection and Management Guideline</li> <li>• <i>Forest and Range Practices Act</i></li> <li>• <i>Wildlife Act</i></li> <li>• <i>Migratory Birds Convention Act</i></li> <li>• British Columbia Conservation Framework</li> <li>• Policy for Mitigating Impacts on Environmental Values (Environmental Mitigation Policy) and Procedures for Mitigating Impacts on Environmental Values (Environmental Mitigation Procedures)</li> </ul>	Section 7.5.1 Relevant Statutes, Policies and Frameworks, Page 7.5-1; line 25 to 30; Table 7.5.1
Section 7.5.1 Scope of Assessment Page 98	The Application will describe how information obtained through consultation with regulators, stakeholders, community members and Indigenous Nations was used in the assessment.	Section 7.5.2 The Influence of Consultation and Engagement, Page 7.5-5; line 1 to 10; Table 7.5.2
Section 7.5.1 Scope of Assessment Page 98	Where information on traditional knowledge and traditional use is obtained from Indigenous Nations through consultation, information gathering, and voluntary information sharing, the Application will describe how it was integrated into the assessment.	Section 7.5.2 The Influence of Consultation and Engagement, Page 7.5-5; line 1 to 10; Table 7.5.2



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.5.1 Scope of Assessment Page 98	The Application will define potential effects to wildlife and outline indicators that will be used to measure these effects, following the methods outlined in Section 6.4.2.	Section 7.5.3 Selection of Potential Effects and Indicators/Measurable Parameters, Page 7.5-9; line 1 to Page 7.5-11; line 3
Section 7.5.1 Scope of Assessment Page 99	The Application will identify and justify the spatial and temporal boundaries for the wildlife assessment.	Section 7.5.4 Boundaries, Page 7.5-11; line 4 to Page 7.5-14; line 31
Section 7.5.1 Scope of Assessment Page 99	Project-specific effects on wildlife will be assessed within the LAA while cumulative effects of regional and reasonably foreseeable future projects will be assessed within the RAA.	Section 7.5.4.1 Spatial Boundaries, Page 7.5-11; line 21 and Page 7.5-12; line 13
Section 7.5.1 Scope of Assessment Page 99	The Application will also define any administrative or technical boundaries that may constrain the assessment of potential project effects.	Section 7.5.4.3 Administrative Boundaries, Page 7.4-12; line 33 to Page 7.4-13; line 12 Section 7.5.4.4 Technical Boundaries, Page 7.5-13; line 13 to Page 7.5-14; line 31
Section 7.5.2 Existing Conditions Page 100	The Application will: <ul style="list-style-type: none"> <li>• Include a current list of species of conservation concern expected to occur in the assessment areas.</li> </ul>	Section 7.5.5.2 Overview, Page 7.5-18; line 12 to 7.5-25; line 24
Section 7.5.2 Existing Conditions Page 100	The Application will: <ul style="list-style-type: none"> <li>• For each species, provide federal (COSEWIC and <i>Species at Risk Act</i>) and provincial (CDC List and Conservation Framework Rank) conservation status, expected occurrence timing (e.g., months; seasons), and general habitat associations (e.g., old forest; wetlands).</li> </ul>	Section 7.5.5.2 Overview, Page 7.5-18; line 12 to 7.5-25; line 24



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 7.5.2 Existing Conditions Page 100</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe the occurrence, distribution, population status, threats, and conservation goals for the following key wildlife species: grizzly bear, moose, Pacific marten, marbled murrelet, bats, western toad, and coastal tailed frog. Since it is not feasible to assess all wildlife species that may occur in the assessment areas, key wildlife species were selected because they represent a range of habitat types (e.g., old coniferous forest, wetlands) over various spatial and temporal scales (e.g., summer, winter) in the assessment areas. Key wildlife species also represent other wildlife species with overlapping habitat requirements and can be used as a proxy for assessing other species or species groups.</li> </ul>	<p>Appendix 7.5-A Wildlife Technical Data Report: Section 3.3.2.1 Species of Conservation Concern, Page 17-20</p> <p>Appendix 7.5-A Wildlife Technical Data Report: Section 3.3.2.4 Bats, Page 24-26</p> <p>Appendix 7.5-A Wildlife Technical Data Report: Section 3.3.2.6 Amphibians, Page 29-31</p> <p>Appendix 7.5-A Wildlife Technical Data Report, Appendix 3, Species Accounts</p>
<p>Section 7.5.2 Existing Conditions Page 100</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe project-specific baseline surveys completed for the marine terminal LAA, including a detailed description of the methods used and how the results helped to characterize existing conditions (e.g., filled an information gap; confirmed or refuted older information).</li> </ul>	<p>Section 7.5.5.1 Methods, Page 7.5-14; line 36 to Page 7.5-18; line 11</p> <p>Appendix 7.5-A Wildlife Technical Data Report: Section 4.0 Field Studies, Page 32-52</p> <p>Appendix 7.5-A Wildlife Technical Data Report: Section 5.1.2 Wildlife Habitat Assessments, Page 53-55</p>
<p>Section 7.5.2 Existing Conditions Page 100</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe the location, distribution, condition, and amount of suitable habitat that provides the seasonal and/or annual life requisites, using habitat suitability models based on TEM for grizzly bear (spring and fall feeding), moose (winter feeding and shelter), Pacific marten (year-round living), and marbled murrelet (breeding season). Describe the location, distribution, condition, and amount of suitable habitat for western toad (breeding) using TEM.</li> </ul>	<p>Section 7.5.7.2 Assessment of Change in Habitat: Grizzly Bear, Page 7.5-35, line 26 to Page 7.5-36; line 21; Table 7.5.9</p> <p>Section 7.5.7.2 Assessment of Change in Habitat: Moose, Page 7.5-37; line 1 to Page 7.5-39; line 13</p> <p>Section 7.5.7.2 Assessment of Change in Habitat: Pacific Marten, Page 7.5-39; line 14 to Page 7.5-40; line 11</p> <p>Section 7.5.7.2 Assessment of Change in Habitat: Marbled Murrelet, Page 7.5-41; line 1 to Page 7.5-42; line 22</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.5.2 Existing Conditions Page 100	The Application will: <ul style="list-style-type: none"> <li>Include an assessment for bats (summer roosting and winter hibernation), old forest songbird community (summer breeding), young forest songbird community (summer breeding), western toad (breeding and overwintering), and coastal tailed frog (year-round living) using a combination of quantitative and qualitative methods supported by TEM, existing data, and/or results from project-specific surveys in the marine terminal LAA.</li> </ul>	Section 7.5.7.2 Assessment of Change in Habitat: Bats, Page 7.5-40; line 12 to 39 Section 7.5.7.2 Assessment of Change in Habitat: Old Forest Songbird Community, Page 7.5-43; line 1 to 31 Section 7.5.7.2 Assessment of Change in Habitat: Young Forest Songbird Community, Page 7.5-43; line 32 to Page 7.5-44; line 14 Section 7.5.7.2 Assessment of Change in Habitat: Western Toad, Page 7.5-44; line 15 to 42 Section 7.5.7.2 Assessment of Change in Habitat: Coastal Tailed Frog, Page 7.5-45; line 1 to 41
Section 7.5.2 Existing Conditions Page 100	The Application will: <ul style="list-style-type: none"> <li>Include a qualitative assessment of marine birds using five categories of marine birds that use similar habitat types (i.e., shorebirds, diving ducks, dabbling ducks, loons and cormorants, and alcids) that will be supported by existing data and results from project-specific surveys in the shipping RAA.</li> </ul>	Appendix 7.5-A Wildlife Technical Data Report: Section 3.3.2.5 Birds, Page 26-27 Section 7.5.7.2 Assessment of Change in Habitat, Page 7.5-26; line 1 to Page 7.5-47; line 6 Section 7.5.7.2 Assessment of Change in Habitat, Page 7.5-47; line 22 to 35 Section 7.5.7.3 Assessment of Change in Movement, Page 7.5-52; line 1 to Page 7.5-53; line 32 Section 7.5.7.3 Assessment of Change in Movement, Page 7.5-54; line 1 to 11 Section 7.5.7.4 Assessment of Change in Mortality Risk, Page 7.5-62; line 12 to 35 Section 7.5.7.4 Assessment of Change in Mortality Risk, Page 7.5-64; line 15 to 29 Section 7.5.7.4 Assessment of Change in Mortality Risk, Page 7.5-65; line 5 to 16 Section 7.5.8.3 Assessment of Cumulative Effects for Change in Habitat – Marine Birds, Page 7.5-79; line 1 to 39 Section 7.5.8.4 Assessment of Cumulative Effects for Change in Movement – Marine Birds, Page 7.5-81; line 24 to Page 7.5-82; line 4 Section 7.5.8.5 Assessment of Cumulative Effects for Change in Mortality Risk – Marine Birds, Page 7.5-83; line 28 to Page 7.5-84; line 9



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.5.2 Existing Conditions Page 100	The Application will: <ul style="list-style-type: none"> <li>Describe the location, distribution, condition, and amount of “critical habitat” (e.g., as defined in a recovery strategy, conservation plan, or similar document).</li> </ul>	Section 7.5.5.2 Overview, Page 7.5-18; line 12 to 7.5-25; line 24
Section 7.5.2 Existing Conditions Page 100	The Application will: <ul style="list-style-type: none"> <li>Include a list of Ungulate Winter Ranges, Wildlife Habitat Areas, Wildlife Management Units, Grizzly Bear Population Units, Important Bird Areas, Bird Conservation Regions, or sanctuaries and the extent to which these overlap with the wildlife VC spatial boundaries.</li> </ul>	Section 7.5.5.2 Overview, Page 7.5-23; line 23-37 Appendix 7.5-A Wildlife Technical Data Report: Section 3.3.2.2: Important Wildlife Areas, Page 21-23 Appendix 7.5-A Wildlife Technical Data Report: Appendix 3: Grizzly Bear, Page 3.1
Section 7.5.2 Existing Conditions Page 101	The Application will: <ul style="list-style-type: none"> <li>Include a list or description of relevant wildlife and wildlife habitat management objectives as defined in Land and Resource Management Plans or Sustainable Resource Management Plans.</li> </ul>	Section 7.5.4.3 Administrative Boundaries, Page 7.5-12; line 33 to Page 7.5-13; line 12
Section 7.5.2 Existing Conditions Page 101	The Application will: <ul style="list-style-type: none"> <li>Describe the location and relative importance or significance of wildlife habitat features (e.g., breeding colonies; travel corridors; mineral licks; protected nests; dens; roosts).</li> </ul>	Section 7.5.5.2 Overview, Page 7.5-23; line 23-37 Appendix 7.5-A Wildlife Technical Data Report: Section 3.3.2.2: Important Wildlife Areas, Page 21-23
Section 7.5.2 Existing Conditions Page 101	The Application will: <ul style="list-style-type: none"> <li>Describe any established conservation thresholds (e.g., as defined in a recovery strategy, conservation plan, or similar document) and whether these are exceeded at baseline (e.g., linear feature density; core security habitat; critical habitat).</li> </ul>	Section 7.5.7.2 Assessment of Change in Habitat: Marbled Murrelet, Page 7.5-41; line 18 to 33



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.5.2 Existing Conditions Page 101	The Application will: <ul style="list-style-type: none"> <li>Describe any relevant existing conditions from British Columbia Cumulative Effects Framework reports.</li> </ul>	Section 7.5.5.1 Methods, Page 7.5-14; line 32 to Page 7.5-18; line 11
Section 7.5.2 Existing Conditions Page 101	The Application will: <ul style="list-style-type: none"> <li>Provide reference to species of Indigenous cultural use and value.</li> </ul>	Section 7.5.5.1 Methods, Page 7.5-14; line 32 to Page 7.5-18; line 11
Section 7.5.2 Existing Conditions Page 101	The Application will: <ul style="list-style-type: none"> <li>Describe available Indigenous or local knowledge related to wildlife.</li> </ul>	Section 7.5.5.2 Overview, Page 7.5-18; line 12 to 7.5-25; line 24 Appendix 7.5-A Wildlife Technical Data Report: Section 3.2: Traditional Knowledge and Traditional Use, Page 11-15
Section 7.5.3 Project Interactions Page 101	The Application will include a description of the project interactions with wildlife, as identified in Table 6.4.1, following the methods outlined in Section 6.4.	Section 7.5.6 Project Interactions on Wildlife, Page 7.5-26; line 1 to 26; Table 7.5.5
Section 7.5.4 Project Effects Assessment Page 101	The assessment of project residual effects on wildlife will follow the methods outlined in Section 6.8 through 6.8.	Section 7.5.7.1 Assessment Methods, Page 7.5-28; line 8 to 20
Section 7.5.4 Project Effects Assessment Page 101	The Application 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> </ul>	Section 7.5.7.2 Assessment of Change in Habitat, Page 7.5-31; line 11 to Page 7.5-32, line 6 Section 7.5.7.3 Assessment of Change in Movement, Page 7.5-48; line 4 to 7 Section 7.5.7.4 Assessment of Change in Mortality Risk, Page 7.5-54; line 19 to 22
Section 7.5.4 Project Effects Assessment Page 101	The Application will include: <ul style="list-style-type: none"> <li>A description of the project mechanisms with potential to result in effects to the VC</li> </ul>	Section 7.5.7.2 Assessment of Change in Habitat, Page 7.5-30; line 1 to 34 Section 7.5.7.3 Assessment of Change in Movement, Page 7.5-46; line 19 to 30 Section 7.5.7.4 Assessment of Change in Mortality Risk, Page 7.5-52; line 14 to Page 7.5-53; line 22



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.5.4 Project Effects Assessment Page 101	The Application will include: <ul style="list-style-type: none"> <li>A description of mitigation measures to manage adverse effects and enhancement measures to augment positive effects</li> </ul>	Section 7.5.7.2 Assessment of Change in Habitat, Page 7.5-32; line 7 to 40 Section 7.5.7.3 Assessment of Change in Movement, Page 7.5-48; line 8 to 19 Section 7.5.7.4 Assessment of Change in Mortality Risk, Page 7.5-54; line 23 to Page 7.5-55; line 30
Section 7.5.4 Project Effects Assessment Page 101	The Application will include: <ul style="list-style-type: none"> <li>An assessment of positive and adverse effects of the Project and a characterization of project-specific residual effects</li> </ul>	Section 7.5.7.2 Assessment of Change in Habitat, Page 7.5-35; line 1 to Page 7.5-47; line 35 Section 7.5.7.3 Assessment of Change in Movement, Page 7.5-50; line 1 to Page 7.5-54; line 11 Section 7.5.7.4 Assessment of Change in Mortality Risk, Page 7.5-61; line 1 to Page 7.5-65; line 16
Section 7.5.5 Cumulative Effects Page 101	The Application will provide an assessment of the cumulative effects to wildlife, following the procedure described in Section 6.9.	Section 7.5.8 Assessment of Cumulative Effects on Wildlife, Page 7.5-73; line 1 to Page 7.5-84; line 29; Table 7.5.18 to 7.5.19
Section 7.5.5 Cumulative Effects Page 101	The Application will describe the likelihood of adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 7.5.8.3 Likelihood of Cumulative Residual Effect for Change in Habitat, Page 7.5-70; line 1 to 10 Section 7.5.8.4 Likelihood of Cumulative Residual Effect for Change in Movement, Page 7.5-82; line 5 to 7 Section 7.5.8.5 Likelihood of Cumulative Residual Effect for Change in Mortality Risk, Page 7.5-84; line 10 to 12 Section 7.5.8.6 Summary of Cumulative Effects, Page 7.5-84; Line 13 to 29
Section 7.5.6 Follow-up Strategy Page 102	The Application will provide a follow-up strategy if a positive or adverse residual effect and/or cumulative effect has been identified in the assessment of wildlife, following the procedure described in Section 6.10.	Section 7.5.10 Follow-up Strategy, Page 7.4-87; line 10 to 19

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.6 Freshwater Fish Page 102	The Application will provide an assessment of potential residual and cumulative effects of the Project on freshwater fish.	Section 7.6.7 Assessment of Effects on Freshwater Fish, Page 7.6-26; line 6 to Page 7.6-47; line 29 Section 7.6.8 Assessment of Cumulative Effects on Freshwater Fish; Pages 7.6-47; line 30 to Page 7.6-51; line 27; Table 7.6.16
Section 7.6 Freshwater Fish Page 102	As appropriate, the Application will incorporate information and results of previous environmental assessments completed in the region.	Section 7.6.5 Existing Conditions, Page 7.6-11; line 16 to Page 7.6-21; line 24 Appendix 7.6A Freshwater Fish and Fish Habitat Technical Data Report Appendix 7.6B Surface Water Acidification and Eutrophication Assessment Technical Data Report
Section 7.6.1 Scope of Assessment Page 102	The Application will define and describe the scope of the assessment of potential effects on freshwater fish from the Project (during all project phases). Freshwater fish in the Application are defined as fish present in the freshwater environment.	Section 7.6.3 Selection of Potential Effects and Indicators/Measurable Parameters, Page 7.6-8; line 1 to line 9; Table 7.6.3 Section 7.6.6 Project Interactions, Page 7.6-21; line 25 to Page 7.6-26, line 5
Section 7.6.1 Scope of Assessment Page 102	Potential Project effects on freshwater life stages of anadromous fish (e.g., salmon) will be discussed in this section and potential effects during their marine life stages will be included in Section 7.7.	Section 7.6.7 Assessment of Effects on Freshwater Fish, Page 7.6-26; line 6 to Page 7.6-47; line 29 Section 7.7.7.6 Assessment of Change in Fish or Marine Mammal Injury or Mortality, Page 7.7-51; line 8 to Page 7.7-62; line 4
Section 7.6.1 Scope of Assessment Page 102	The assessment will include a description of statutes, policies and frameworks that are relevant to freshwater fish management.	Section 7.6.1 Relevant Statutes, Policies and Frameworks, Page 7.6-2; line 6 to 11; Table 7.6.1
Section 7.6.1 Scope of Assessment Page 102	The Application will describe how information obtained through consultation with regulators, stakeholders, community members and Indigenous Nations was used in the assessment.	Section 7.6.2 The Influence of Consultation and Engagement, Page 7.6-5; line 18 to 25; Table 7.6.2

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.6.1 Scope of Assessment Page 102	Where information on traditional knowledge and traditional use is obtained from Indigenous Nations through consultation, information gathering, and voluntary information sharing, the Application will describe how it was integrated into the assessment.	Section 7.6.2 The Influence of Consultation and Engagement, Page 7.6-5; line 18 to 25; Table 7.6.2
Section 7.6.1 Scope of Assessment Page 103	The freshwater fish assessment will focus on risk of fish mortalities and potential areas of HADD of fish habitat.	Section 7.6.7 Assessment of Effects on Freshwater Fish: Page 7.6-26; line 6 to Page 7.6-47; line 29
Section 7.6.1 Scope of Assessment Page 103	The Application will define potential effects to freshwater fish and outline indicators that will be used to measure these effects, following the methods outlined in Section 6.4.2.  Table 7.6.1 presents the potential project effects to freshwater fish, and the indicators that will be used in the Application to evaluate the potential project effects.	Section 7.6.3 Selection of Potential Effects and Indicators/Measurable Parameters, Page 7.6-8; line 1 to line 9; Table 7.6.3
Section 7.6.1 Scope of Assessment Page 103	The Application will identify and justify the spatial and temporal boundaries for the freshwater fish assessment. Anticipated spatial boundaries are presented in Table 6.2.1 and Table 6.2.2 (Figure 6.2.7).	Section 7.6.4 Boundaries, Page 7.6-9; line 1 to Page 7.6-10; line 12
Section 7.6.1 Scope of Assessment Page 103	Project-specific effects on freshwater fish will be assessed within the LAA while cumulative effects of regional and reasonably foreseeable future projects will be assessed within the RAA.	Section 7.6.4.1 Spatial Boundaries; Page 7.6-9; line 4 to 41  Section 7.6.7 Assessment of Effects on Freshwater Fish, Page 7.6-26; line 6 to Page 7.6-47; line 29  Section 7.6.8 Assessment of Cumulative Effects on Freshwater Fish, Page 7.6-47; line 30 to Page 7.6-51; line 27; Table 7.6.16
Section 7.6.1 Scope of Assessment Page 103	The Application will also define any administrative or technical boundaries that may constrain the assessment of potential project effects.	Section 7.6.4.3 Administrative Boundaries, Page 7.6-10; line 13 to 16  Section 7.6.4.4 Technical Boundaries, Page 7.6-10; line 17 to Page 7.6-11; line 15



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.6.2 Existing Conditions Page 104	The presence of fish and consequent utilization of the habitat will be evaluated at each crossing of a fish bearing watercourse.	Section 7.6.5 Existing Conditions, Page 7.6.14; line 1 to Page 7.6-20; line 18 Figure 7.6.3 Project Components and Watercourse Crossings Appendix 7.6A Freshwater Fish and Fish Habitat Technical Data Report
Section 7.6.2 Existing Conditions Page 104	The Application will: <ul style="list-style-type: none"> <li>Provide maps of the watershed(s) in the vicinity of the Project showing potentially impacted watercourses and waterbodies, including known watercourse crossings.</li> </ul>	Figure 7.6.1 Local and Regional Assessment Area Figure 7.6.3 Project Components and Watercourse Crossings
Section 7.6.2 Existing Conditions Page 104	The Application will: <ul style="list-style-type: none"> <li>Describe and provide maps of relevant fish habitats, including characteristics that directly and indirectly support fish in carrying out their life processes.</li> </ul>	Section 7.6.5 Existing Conditions; pages 7.6.11; line 16 to 7.6-21; line 24 Figure 7.6.3 Project Components and Watercourse Crossings Appendix 7.6A Freshwater Fish and Fish Habitat Technical Data Report
Section 7.6.2 Existing Conditions Page 104	The Application will: <ul style="list-style-type: none"> <li>Describe the historical occurrence, distribution, and conservation status of freshwater fish in the watercourses and waterbodies.</li> </ul>	Section 7.6.5 Existing Conditions, Page 7.6.11; line 16 to Page 7.6-21; line 24 Table 7.6.5 Fish Species in the RAA; Page 7.6-16
Section 7.6.2 Existing Conditions Page 104	The Application will: <ul style="list-style-type: none"> <li>Describe and provide project-specific baseline surveys, including the methods used and how the results helped to characterize existing conditions (e.g., filled an information gap, confirmed or refuted older information).</li> </ul>	Section 7.6.5.1 Methods, Page 7.6-11; line 21 to Page 7.6-13; line 17 Appendix 7.6A Freshwater Fish and Fish Habitat Technical Data Report
Section 7.6.2 Existing Conditions Page 104	The Application will: <ul style="list-style-type: none"> <li>Describe the fish species present and an estimate of the relative abundance of those species.</li> </ul>	Section 7.6.5.2 Overview, Page 7.6-14; line 1 to Page 7.6-20; line 18 Table 7.6.5; Page 7.6-16 Appendix 7.6A Freshwater Fish and Fish Habitat Technical Data Report

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.6.2 Existing Conditions Page 104	The Application will: <ul style="list-style-type: none"> <li>Describe the location of important fish habitats and their relative significance.</li> </ul>	Section 7.6.5.2 Overview; pages 7.6-14; line 1 to Page 7.6-20; line 18 Figure 7.6.3 Project Components and Watercourse Crossings Appendix 7.6A Freshwater Fish and Fish Habitat Technical Data Report
Section 7.6.2 Existing Conditions Page 104	The Application will: <ul style="list-style-type: none"> <li>Describe habitat use, including seasonal variability in habitat use.</li> </ul>	Section 7.6.5.2 Overview; Page 7.6-14; line 1 to Page 7.6-20; line 18 Figure 7.6.3 Project Components and Watercourse Crossings Appendix 7.6A Freshwater Fish and Fish Habitat Technical Data Report
Section 7.6.2 Existing Conditions Page 104	The Application will: <ul style="list-style-type: none"> <li>Provide reference to species of Indigenous cultural use and value.</li> </ul>	Section 7.6.5.2 Overview; Page 7.6.14; line 1 to Page 7.6-15; line 32
Section 7.6.2 Existing Conditions Page 104	The Application will: <ul style="list-style-type: none"> <li>Describe of available Indigenous or local knowledge related to freshwater fish.</li> </ul>	Section 7.6.5.2 Overview, Page 7.6.14; line 1 to Page 7.6-15; line 32
Section 7.6.3 Project Interactions Page 104	The Application will include a description of the project interactions with freshwater fish, as identified in Table 6.4.1, following the methods outlined in Section 6.4.	Section 7.6.6 Project Interactions on Freshwater Fish, Page 7.6-21; line 25 to Page 7.6-26, line 5
Section 7.6.4 Project Effects Assessment Page 105	The assessment of project residual effects on freshwater fish will follow the methods outlined in Section 6.4 through 6.8	Section 7.6.7 Assessment of Effects, Page 7.6-26; line 6 to Page 7.6-47; line 29
Section 7.6.4 Project Effects Assessment Page 105	The Application 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> </ul>	Section 7.6.7.1 Assessment Methods, Page 7.6-26; line 9 to Page 7.6-31; line 6

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.6.4 Project Effects Assessment Page 105	The Application will include: <ul style="list-style-type: none"> <li>A description of the project mechanisms with potential to result in effects to the VC.</li> </ul>	Section 7.6.6 Project Interactions on Freshwater Fish, Page 7.6-21; line 25 to Page 7.6-26, line 5 Section 7.6.7 Assessment of Effects on Freshwater Fish, Page 7.6-26; line 6 to Page 7.6-47; line 29
Section 7.6.4 Project Effects Assessment Page 105	The Application will include: <ul style="list-style-type: none"> <li>A description of mitigation measures to manage adverse effects and enhancement measures to augment positive effects.</li> </ul>	Section 7.6.7 Assessment of Effects on Freshwater Fish, Page 7.6-26; line 6 to Page 7.6-47; line 29
Section 7.6.4 Project Effects Assessment Page 105	The Application will include: <ul style="list-style-type: none"> <li>An assessment of positive and adverse effects of the Project and a characterization of project-specific residual effects.</li> </ul>	Section 7.6.7 Assessment of Effects on Freshwater Fish, Page 7.6-26; line 6 to Page 7.6-47; line 29
Section 7.6.5 Cumulative Effects Page 105	The Application will provide an assessment of the cumulative effects to freshwater fish, following the procedure described in Section 6.9.	Section 7.6.8 Assessment of Cumulative Effects on Freshwater Fish, Page 7.6-47; line 30 to Page 7.6-51; line 27; Table 7.6.16
Section 7.6.5 Cumulative Effects Page 105	The Application will describe the likelihood of adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 7.6.8 Assessment of Cumulative Effects on Freshwater Fish, Page 7.6-47; line 30 to Page 7.6-51; line 27; Table 7.6.16
Section 7.6.6 Follow-up Strategy Page 105	The Application will provide a follow-up strategy if a positive or adverse residual effect and/or cumulative effect has been identified in the assessment of freshwater fish, following the procedure described in Section 6.10.	Section 7.6.10 Follow-up Strategy, Page 7.6-53; line 17 to 29
Section 7.7 Marine Resources Page 105	The Application will provide an assessment of potential residual and cumulative effects of the Project on marine resources.	Section 7.7.7 Assessment of Effects on Marine Resources, Page 7.7-26; line 1 to Page 7.7-62; line 7; Table 7.7.12 Section 7.7.8 Assessment of Cumulative Effects on Marine Resources, Pages 7.7-67; line 1 to 7.7-76; line 23



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.7 Marine Resources Page 105	As appropriate, the Application will incorporate information and results of previous environmental assessments completed in the region.	Section 7.7 Existing Conditions, Page 7.7-11; line 24 to Page 7.7-24; line 4 Appendix 7.7A Marine Resources Technical Data Report
Section 7.7.1 Scope of Assessment Page 105	The Application will define and describe the scope of the assessment of potential effects on marine resources from the Project (during all project phases) and from marine shipping and transportation. The marine resources VC includes marine fish and fish habitat as defined by the <i>Fisheries Act</i> and marine aquatic species as defined by the <i>Species at Risk Act</i> . The definition of fish in the <i>Fisheries Act</i> includes marine animals such as marine mammals.	Section 7.7.3 Selection of Potential Effects and Indicators/Measurable Parameters; Page 7.7-8 line 1 to Page 7.7-9 line 6 Table 7.7.3 Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Marine Resources; Page 7.7-8
Section 7.7.1 Scope of Assessment Page 105	Marine birds will be discussed in Section 7.5.	Section 7.5.5 Existing Conditions, Page 7.5-18; line 22 to 36 Table 7.5.4 Species of Conservation Concern Likely to Occur within the Marine Terminal and Shipping Regional Assessment Areas, Page 7.5-20 to 7.5-21
Section 7.7.1 Scope of Assessment Page 106	The assessment will include a description of statutes, policies and frameworks that are relevant to marine resources management.	Section 7.7.1 Relevant Statutes, Policies and Frameworks, Page 7.7.2; line 1 to 18 Table 7.7.1 Summary of Key Legislation, Policy, and Regulatory Guidance Documents for Marine Resources; Page 7.7-3 to 7.7-4
Section 7.7.1 Scope of Assessment Page 106	The Application will describe how information obtained through consultation with regulators, stakeholders, community members and Indigenous Nations was used in the assessment.	Section 7.7.2 Influence of Consultation and Engagement. Page 7.7-5; line 1 to 11 Table 7.7.2 Summary of Key Information and Concerns for the Project Related To Marine Resources; Page 7.7-6 to 7.7-7
Section 7.7.1 Scope of Assessment Page 106	Where information on traditional knowledge and traditional use is obtained from Indigenous Nations through consultation, information gathering, and voluntary information sharing, the Application will describe how it was integrated into the assessment.	Table 7.7.2 Summary of Key Information and Concerns for the Project Related to Marine Resources; Page 7.7-6 to 7.7-7

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.7.1 Scope of Assessment Page 106	The Application will define potential effects to marine resources and outline indicators that will be used to measure these effects, following the methods outlined in Section 6.4.2.	Section 7.7.3 Selection of Potential Effects and Indicators/measurable Parameters; Page 7.7-8; line 1 to Page 7.7-9; line 6  Section 7.7.3 Selection of Potential Effects and Indicators/measurable Parameters; Page 7.7-8; line 1 to Page 7.7-9; line 6
Section 7.7.1 Scope of Assessment Page 106	Table 7.7.1 presents the potential project effects to marine resources and the indicators that will be used in the Application to evaluate the potential project effects.	Table 7.7.3 Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Marine Resources; page 7.7-8
Section 7.7.1 Scope of Assessment Page 107	The Application will identify and justify the spatial and temporal boundaries for the marine resources assessment. Anticipated spatial boundaries are presented in Table 6.2.1 and Table 6.2.2 (Figure 6.2.8 and Figure 6.2.9).	Section 7.7.4.1 Spatial Boundaries, Page 7.7-9; line 10 to 38  Section 7.7.4.2 Temporal Boundaries, Page 7.7-10; line 1 to 12
Section 7.7.1 Scope of Assessment Page 107	Project-specific effects on marine resources will be assessed within the LAA while cumulative effects of regional and reasonably foreseeable future projects will be assessed within the RAA.	Section 7.7.4.1 Spatial Boundaries, Page 7.7-9; line 10 to 38
Section 7.7.1 Scope of Assessment Page 107	The Application will also define any administrative or technical boundaries that may constrain the assessment of potential project effects.	Section 7.7.4.3 Administrative Boundaries, Page 7.7-10; line 13 to 30  Section 7.7.4.4 Technical Boundaries, Page 7.7-11 line 1 to 23
Section 7.7.2 Existing Conditions Page 108	The Application will: <ul style="list-style-type: none"> <li>Provide maps of the marine environment in the vicinity of the Project (i.e., marine terminal and along marine shipping route) showing proximity to marine protected areas and important watercourses supporting fisheries.</li> </ul>	Figures 7.7.1 to 7.7.12; Page 7.7-82



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.7.2 Existing Conditions Page 108	The Application will: <ul style="list-style-type: none"> <li>Describe and provide maps of relevant habitats, including characteristics that directly and indirectly support marine resources in carrying out their life processes.</li> </ul>	Figures 7.7.1 to 7.7.12; Page 7.7-82
Section 7.7.2 Existing Conditions Page 108	The Application will: <ul style="list-style-type: none"> <li>Describe the historical occurrence, distribution, and conservation status of marine fish, marine mammals and marine invertebrates that are (a) likely to inhabit the assessment areas, and (b) at risk of potentially adverse interactions with project-related activities.</li> </ul>	Section 7.7.5 Existing Conditions; Marine Fish and Fish Habitat; Page 7.7-14; line 23 to Page 7.7-19; line 25  Table 7.7.4 Marine Fish and Invertebrate Species at Risk Known to Occur in the Marine Terminal RAA and in the Shipping RAA; Page 7.7-16  Table 7.7.5 Marine Mammal Species Known to Occur in the Marine Terminal RAA and in the Shipping RAA; Page 7.7-18  Section 7.7.6 Project Interactions on Marine Resources; Page 7.7-24; line 5 to 23; Table 7.7.6
Section 7.7.2 Existing Conditions Page 108	The Application will: <ul style="list-style-type: none"> <li>Describe and provide any project-specific baseline intertidal and subtidal surveys of the Project Area, including the methods used and how the results helped to characterize existing conditions (e.g., filled an information gap, confirmed or refuted older information). All species observed during intertidal and subtidal surveys will be listed and abundance estimated in surveyed areas.</li> </ul>	Section 7.7.5.1 Methods, Page 7.7-11; line 31 to Page 7.7-13; line 3  Section 7.7.5.2 Overview, Page 7.7-13; line 4 to Page 7.7-24; line 4
Section 7.7.2 Existing Conditions Page 108	The Application will: <ul style="list-style-type: none"> <li>Describe the biological marine resources observed directly within the assessment areas and an estimate of the abundance of those species.</li> </ul>	Section 7.7.5.2 Overview, Page 7.7-13; line 4 to Page 7.7-24; line 4  Table 7.7.4 Marine Fish and Invertebrate Species at Risk Known to Occur in the Marine Terminal RAA and in the Shipping RAA; Page 7.7-16  Table 7.7.5 Marine Mammal Species Known to Occur in the Marine Terminal RAA and in the Shipping RAA; Page 7.7-18

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.7.2 Existing Conditions Page 109	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe the location, distribution, condition, and amount of fish habitat (i.e., marine riparian, intertidal, subtidal, seagrass and marine vegetation) that supports seasonal and/or annual life history processes and that may reasonably be affected by the Project.</li> </ul>	Section 7.7.5.2 Overview - Marine Fish and Fish Habitat, Page 7.7-14; line 23 to Page 7.7-17; line 18
Section 7.7.2 Existing Conditions Page 109	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe the location and characteristics of any relevant “critical habitat” (as defined in a recovery strategy, conservation plan, or similar document).</li> </ul>	Section 7.7.5.2 Overview; Marine Mammals; Page 7.7-17; line 19 to Page 7.7-19; line 25
Section 7.7.2 Existing Conditions Page 109	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe habitat use by fish, including seasonal variability in habitat use.</li> </ul>	Section 7.7.5.2 Overview, Page 77-13; line 4 to Page 77-24; line 4 Section 7.7.5.2 Overview - Marine Fish and Fish Habitat, Page 7.7-14; line 23 to Page 7.7-17; line 18
Section 7.7.2 Existing Conditions Page 109	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Summarize available data and information to describe ambient underwater noise levels in the assessment area and at the Project Area from various sources based on acoustic measurements in the Project assessment areas.</li> </ul>	Section 7.7.7.5 Assessment of Change in Behaviour of Fish or Marine Mammals, Page 7.7-40; line 1 to Page 7.7-43; line 13; Table 7.7.10
Section 7.7.2 Existing Conditions Page 109	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Summarize available data and information on sound sources including geographic extent.</li> </ul>	Section 7.7.7.5 Assessment of Change in Behaviour of Fish or Marine Mammals - Underwater Noise, Pages 7.7-40; line 22 to Page 7.7-42; line 26
Section 7.7.2 Existing Conditions Page 109	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Provide reference to species of Indigenous cultural use and value.</li> </ul>	Section 7.7.5.2 Overview, Page 77-13; line 4 to Page 77-24; line 4

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.7.2 Existing Conditions Page 109	The Application will: <ul style="list-style-type: none"> <li>Describe available Indigenous or local knowledge related to marine resources.</li> </ul>	Section 7.7.5.2 Overview, Page 77-13; line 4 to Page 77-24; line 4
Section 7.7.3 Project Interactions Page 109	The Application will include a description of the project interactions with marine resources, as identified in Table 6.4.1, following the methods outlined in Section 6.4.	Section 7.7.6 Project Interactions on Marine Resources, Pages 7.7-24; line 5 to 23; Table 7.7.6
Section 7.7.4 Project Effects Assessment Page 109	The assessment of project residual effects on marine resources will follow the methods outlined in Sections 6.4 through 6.8.	Section 7.7.7.1, Assessment Methods, Page 7.7-26; line 7 to Page 7.7-28; line 22
Section 7.7.4 Project Effects Assessment Page 109	The Application 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> </ul>	Section 7.7.7 Assessment of Effects on Marine Resources; Page 7.7-26; line 1 to Page 7.7-66; line 17; Table 7.7.13 Section 7.7.9 Prediction Confidence, Page 7.7-79; line 1 to Page 7.7-80; line 43
Section 7.7.4 Project Effects Assessment Page 109	The Application will include: <ul style="list-style-type: none"> <li>A description of the project mechanisms with potential to result in effects to the VC.</li> </ul>	Section 7.7.6 Project Interactions on Marine Resources, Pages 7.7-24; line 5 to 23; Table 7.7.6
Section 7.7.4 Project Effects Assessment Page 109	The Application will include: <ul style="list-style-type: none"> <li>A description of mitigation measures to manage adverse effects and enhancement measures to augment positive effects.</li> </ul>	Section 7.7.7.3 Assessment of Change in Habitat - Mitigation and Enhancement Measures, Page 7.7-33; lines 11 to 31; Table 7.7.8 Section 7.7.7.4 Assessment of Change in water Quality - Mitigation and Enhancement Measures, Page 7.7-37; lines 37 to 43; Table 7.7.9 Section 7.7.7.5 Assessment of Change in Behaviour of Fish or Marine Mammals - Mitigation and Enhancement Measures, Page 7.7-43; line 7 to 13; Table 7.7.10 Section 7.7.7.6 Assessment of Change in Fish or Marine Mammal Injury or Mortality Risk - Mitigation and Enhancement Measures, Page 7.7-54; lines 39 to 44; Table 7.7.11 Section 7.7.7.7 Summary of Mitigation and Enhancement Measures, Page 7.7-62; line 5 to 7; Table 7.7.12

AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.7.4 Project Effects Assessment Page 109	The Application will include: <ul style="list-style-type: none"> <li>An assessment of positive and adverse effects of the Project and a characterization of project-specific residual effects.</li> </ul>	Section 7.7.7.8 Summary of Project Residual Effects, Page 7.7-63; lines 1-17; Table 7.7.13
Section 7.7.5 Cumulative Effects Page 110	The Application will provide an assessment of the cumulative effects to marine resources, following the procedure described in Section 6.9.	Section 7.7.8 Assessment of Cumulative Effects on Marine Resources, Page 7.7-67; line 1 to Page 7.7-76; line 25; Table 7.7.15
Section 7.7.5 Cumulative Effects Page 110	The Application will describe the likelihood of adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 7.7.8 Assessment of Cumulative Effects on Marine Resources, Page 7.7-67; line 1 to Page 7.7-76; line 25; Table 7.7.15
Section 7.7.6 Follow-up Strategy Page 110	The Application will provide a follow-up strategy if a positive or adverse residual effect and/or cumulative effect has been identified in the assessment of marine resources, following the procedure described in Section 6.10.	Section 7.7.10 Follow-up Strategy, Page 7.7-81; line 1 to 11
Section 7.8 Employment and Economy Page 110	The Application will provide an assessment of potential residual and cumulative effects of the Project on employment and economy.	Section 7.8.7 Assessment of Effects on Employment and Economy, Pages 7.8-61; line 5 to Page 7.8-96; line 11
Section 7.8 Employment and Economy Page 110	As appropriate, the Application will incorporate information and results of previous environmental assessments completed in the region.	Section 7.8.5.1 Methods, Pages 7.8-7; line 4 to Page 7.8.8; line 34
Section 7.8.1 Scope of Assessment Page 110	The Application will define and describe the scope of the assessment of potential effects on employment and economy from the Project (during all project phases).	Section 7.8.3 Selection of Potential Effects and Indicators/Measurable Parameters, Page 7.8-4; line 1 to 16 Section 7.8.4 Boundaries, Page 7.8-4; line 17 to Page 7.8-6; line 40



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.8.1 Scope of Assessment Page 110	The assessment will include a description of statutes, policies and frameworks that are relevant to employment and economy. Policies and frameworks relevant to the employment and economy VC include national, provincial, regional and/or local economic development plans, strategies and action plans.	Section 7.8.1 Relevant Statutes, Policies and Frameworks, Page 7.8-1; line 21 to 30
Section 7.8.1 Scope of Assessment Page 110	The Application will describe how information obtained through consultation with regulators, stakeholders, community members and Indigenous Nations was used in the assessment.	Section 7.8.2 The Influence of Consultation and Engagement, Page 7.8-1; line 34 to 38; Table 7.8.1
Section 7.8.1 Scope of Assessment Page 110	Where information on traditional knowledge and traditional use is obtained from Indigenous Nations through consultation, information gathering, and voluntary information sharing, the Application will describe how it was integrated into the assessment.	Section 7.8.2 The Influence of Consultation and Engagement, Page 7.8-1; line 34 to 38; Table 7.8.1
Section 7.8.1 Scope of Assessment Page 110	The Application will define potential effects to employment and economy and outline indicators that will be used to measure these effects, following the methods outlined in Section 6.4.2.	Section 7.8.3 Selection of Potential Effects and Indicators/Measurable Parameters: Page 7.8-4; line 1 to 16; Table 7.8.2
Section 7.8.1 Scope of Assessment Page 110	Table 7.8.1 presents the potential project effects to employment and economy and the indicators that will be used in the Application to evaluate the potential project effects.	Section 7.8.3 Selection of Potential Effects and Indicators/Measurable Parameters: Page 7.8-4; line 1 to 16; Table 7.8.2
Section 7.8.1 Scope of Assessment Page 111	The Application will identify and justify the spatial and temporal boundaries for the employment and economy assessment.	Section 7.8.4.1 Spatial Boundaries, Page 7.8-6; line 1 to 20 Section 7.8.4.2 Temporal Boundaries, Page 7.8-6; line 21 to 32

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.8.1 Scope of Assessment Page 111	Project-specific effects on employment and economy will be assessed within the LAA while cumulative effects of regional and reasonably foreseeable future projects will be assessed within the RAA.	Section 7.8.4.1 Spatial Boundaries, Page 7.8-6; line 1 to 20
Section 7.8.1 Scope of Assessment Page 111	The Application will also define any administrative or technical boundaries that may constrain the assessment of potential project effects.	Section 7.8.4.3 Administrative Boundaries, Page 7.8-6; line 1 to 5 Section 7.8.4.4 Technical Boundaries: Page 7.8-6; line 6 to 40
Section 7.8.2 Existing Conditions Page 111	Capital spending and direct labour associated with the Project will contribute to economic activity within the region.  The Application will: <ul style="list-style-type: none"> <li>Describe the local and regional economy</li> </ul>	Section 7.8.5 Existing Condition, Page 7.8-7; line 1 to Page 7.8-61; line 4
Section 7.8.2 Existing Conditions Page 111	The Application will: <ul style="list-style-type: none"> <li>Describe trends in labour force and employment statistics for residents in the local and regional assessment areas, including Indigenous Nations.</li> </ul>	Section 7.8.5.2 Overview – General Labour Force Characteristics, Page 7.8-10; line 6 to Page 7.8-15; line 23 Section 7.8.5.2 Overview – Labour Force by Sector, Page 7.8-16; line 1 to Page 7.8-22; line 11; Figure 7.8.6 Section 7.8.5.2 Overview – Location Quotient, Page 7.8-23; line 1 to 30; Table 7.8.7 Section 7.8.5.2 Overview – Labour Force by Broad Occupational Classification, Page 7.8-25; line 1 to Page 7.8-28; line 13; Figure 7.8.7 Section 7.8.2 Overview - Haisla Nation Employment Survey, Page 7.8-29; lines 1 to 28 Section 7.8.5.2 Overview – Labour Market Outlook, Page 7.8-29; line 29 to Page 7.8-39; line 8; Table 7.8.10 Section 7.8.5.2 Overview – Worker Mobility: Page 7.8-32; line 1 to 7; Table 7.8.11; Table 7.8.12
Section 7.8.2 Existing Conditions Page 112	The Application will: <ul style="list-style-type: none"> <li>Describe how the Project interacts differently with distinct human populations (GBA+).</li> </ul>	Section 7.8.3 Selection of Potential Effects and Indicators/Measurable Parameters, Page 7.8-4; line 1 to 16 Section 7.8.5.1 Methods, Pages 7.8-7; line 4 to Page 7.8.8; line 34



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.8.2 Existing Conditions Page 112	The Application will: <ul style="list-style-type: none"> <li>Consider how certain subgroups may be differentially affected due to variety of factors including gender. Intersectionality (multiple identity factors that influence their experiences) will be considered.</li> </ul>	Section 7.8.3 Selection of Potential Effects and Indicators/Measurable Parameters, Page 7.8-4; line 1 to 16  Section 7.8.5.1 Methods, Pages 7.8-7; line 4 to Page 7.8.8; line 34
Section 7.8.2 Existing Conditions Page 112	The Application will: <ul style="list-style-type: none"> <li>Describe wage and income information</li> </ul>	Section 7.8.5.2 Overview – Individual Income and Income Equality, Page 7.8-38; line 1 to Page 7.8-44; line 9
Section 7.8.2 Existing Conditions Page 112	The Application will: <ul style="list-style-type: none"> <li>Describe government revenues and expenditures</li> </ul>	Section 7.8.5.2 Overview – Government Revenue and Expenditures, Page 7.8-52; line 9 to Page 7.8-58; line 1
Section 7.8.2 Existing Conditions Page 112	The Application will: <ul style="list-style-type: none"> <li>Discuss trends and factors influencing cost of living (e.g., housing, food, goods and services)</li> </ul>	Section 7.8.5.2 Overview – Cost-of-Living, Page 7.8-45; line 1 to Page 7.8-52; line 4
Section 7.8.2 Existing Conditions Page 112	The Application will: <ul style="list-style-type: none"> <li>Describe, where possible, land and natural resource valuations</li> </ul>	Section 7.8.5.2 Overview – Natural Resource Valuations, Page 7.8-59; line 1 to Page 7.8-60; line 2
Section 7.8.2 Existing Conditions Page 112	The Application will: <ul style="list-style-type: none"> <li>Describe available Indigenous or local knowledge related to employment and economy</li> </ul>	Section 7.8.5.2 Overview – Indigenous Skills and Training Programs, Page 7.8-36; line 1 to Page 7.8-37; line 35
Section 7.8.2 Existing Conditions Page 112	To support the analysis of potential effects to distinct human populations, disaggregated data will be used to the extent that it is publicly available.	Section 7.8.3 Selection of Potential Effects and Indicators/Measurable Parameters: Page 7.8-4; line 6 to 16  Section 7.8.5.1 Methods, Pages 7.8-7; line 4 to Page 7.8.8; line 34  Section 7.8.5 Existing Conditions, Page 7.8-7; line 1 to Page 7.8-59; line 18; Table 7.8.3 to 7.8.29; Figure 7.8.1 to 7.8.10

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.8.3 Project Interactions Page 112	The Application will include a description of the project interactions with employment and economy, as identified in Table 6.4.1, following the methods outlined in Section 6.4.	Section 7.8.6 Project Interactions on Employment and Economy, Page 7.8-60; line 3 to Page 7.8-61; line 4
Section 7.8.4 Project Effects Assessment Page 112	The assessment of project residual effects on employment and economy will follow the methods outlined in Sections 6.4 through 6.8. The Application 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> </ul>	Section 7.8.7.1 Assessment Methods – Analytical Assessment Techniques, Page 7.8-61; line 15 to 40
Section 7.8.4 Project Effects Assessment Page 112	The Application will include: <ul style="list-style-type: none"> <li>A description of the project mechanisms with potential to result in effects to the VC.</li> </ul>	Section 7.8.7 Assessment of Effects on Employment and Economy, Page 7.8-61; line 10 to Page 7.8-96; line 11
Section 7.8.4 Project Effects Assessment Page 112	The Application will include: <ul style="list-style-type: none"> <li>A description of mitigation measures to manage adverse effects and enhancement measures to augment positive effects.</li> </ul>	Section 7.8.7.2 Assessment of Change in Regional Employment – Mitigation and Enhancement Measures, Page 7.8-64; line 30 to Page 7.8-64; line 26; Table 7.8.32. Section 7.8.7.3 Assessment of Change in Regional Business – Mitigation and Enhancement Measures, Page 7.8-77; line 7 to 7.8-85; line 4 Section 7.8.7.4 Assessment of Change in Regional Economy – Mitigation and Enhancement Measures, Page 7.8-85; line 5 to 7.8-89; line 21
Section 7.8.4 Project Effects Assessment Page 112	The Application will include: <ul style="list-style-type: none"> <li>An assessment of positive and adverse effects of the Project and a characterization of project-specific residual effects.</li> </ul>	Section 7.8.7 Assessment of Effects on Employment and Economy, Page 7.8-61; line 5 to Page 7.8-89; line 21 Section 7.8.7.5 Summary of Project Residual Effects, Page 7.8-90; line 2 to Page 7.8-96; line 11



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.8.5 Cumulative Effects Page 113	The Application will provide an assessment of the cumulative effects to employment and economy, following the procedure described in Section 6.9. The Application will describe the likelihood of adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 7.8.8 Assessment of Cumulative Effects on Change in Employment and Economy, Page 7.8-96; line 12 to 20
Section 7.8.6 Follow-up Strategy Page 113	The Application will provide a follow-up strategy if a positive or adverse residual effect and/or cumulative effect has been identified in the assessment of employment and economy, following the procedure described in Section 6.10.	Section 7.8.9 Follow-up Strategy, Page 7.8-97; line 1 to 8.
Section 7.9 Land and Resource Use Page 113	The Application will provide an assessment of potential residual and cumulative effects of the Project on land and resource use.	Section 7.9.7 Assessment of Effects on Land and Resource Use, Page 7.9-30; line 1 to Page 7.9-65; line 36 Section 7.9.8 Assessment of Cumulative Effects on Land and Resource Use, Page 7.9-66; line 1 to Page 7.9-73; line 33
Section 7.9 Land and Resource Use Page 113	As appropriate, the Application will incorporate information and results of previous environmental assessments completed in the region.	Section 7.9.2.1 Traditional Knowledge and Traditional Use Incorporation, Page 7.9-9; lines 1 to 32 Section 7.9.5.2 Overview, Page 7.9-14; line 14 to Page 7.9-28; line 38
Section 7.9.1 Scope of Assessment Page 113	The Application will define and describe the scope of the assessment of potential effects on land and resource use from the Project (during all project phases).	Section 7.9 Land and Resource Use, Page 7.9-1; lines 1 to 32
Section 7.9.1 Scope of Assessment Page 113	The assessment will include a description of statutes, policies and frameworks that are relevant to land and resource management.	Section 7.9.1 Relevant Statutes, Polices and Frameworks, Pages 7.9-2; line 1 to Page 7.9-7; line 13
Section 7.9.1 Scope of Assessment Page 114	The Application will describe how information obtained through consultation with regulators, stakeholders, community members and Indigenous Nations was used in the assessment.	Section 7.9.2 The Influence of Consultation and Engagement, Page 7.9-7; line 14 to Page 7.9-8; Table 7.9.2



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.9.1 Scope of Assessment Page 114	Where information on traditional knowledge and traditional use is obtained from Indigenous Nations through consultation, information gathering, and voluntary information sharing, the Application will describe how it was integrated into the assessment.	Section 7.9.2.1 Traditional Knowledge and Traditional Use Incorporation, Page 7.9-9; lines 1-32
Section 7.9.1 Scope of Assessment Page 114	The Application will define potential effects to land and resource use and outline indicators that will be used to measure these effects, following the methods outlined in Section 6.4.2.	Section 7.9.3 Selection of Potential Effects, Pathways, and Indicators/Measurable Parameters, Page 7.9-9; line 1 to Page 7.9-11; line 8
Section 7.9.1 Scope of Assessment Page 114	Table 7.9.3 presents the potential project effects to land and resource and the indicators that will be used in the Application to evaluate the potential project effects.	Table 7.9.3 Potential Effects, Effects Pathways and Indicators/Measurable Parameters for Land and Resource Use, Page 7.9-10
Section 7.9.1 Scope of Assessment Page 115	The Application will identify and justify the spatial and temporal boundaries for the land and resource use assessment. Anticipated spatial boundaries are presented in Table 6.2.1 and Table 6.2.2 (Figure 6.2.12).	Section 7.9.4 Spatial Boundaries, Page 7.9-11; line 9 to Page 7.9-12; line 19
Section 7.9.1 Scope of Assessment Page 115	Project-specific effects on land and resource use will be assessed within the LAA while cumulative effects of regional and reasonably foreseeable future projects will be assessed within the RAA.	Section 7.9.7 Assessment of Effects on Land and Resource Use, Page 7.9-30; line 1 to Page 7.9-65; line 36 Section 7.9.8 Assessment of Cumulative Effects on Land and Resource Use, Page 7.9-66; line 1 to Page 7.9-71; line 38; Page 7.9-72; Table 7.9.18
Section 7.9.1 Scope of Assessment Page 115	The Application will also define any administrative or technical boundaries that may constrain the assessment of potential project effects.	Section 7.9.4.3 Administrative Boundaries, Page 7.9-12; lines 1 to 12 Section 7.9.4.4 Technical Boundaries, Page 7.9-12; lines 13 to 19



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 7.9.2 Existing Conditions Page 115</p>	<p>No federal land is proposed for use in carrying out the Project.</p> <p>The Application will:</p> <ul style="list-style-type: none"> <li>• Describe any regional Land and Resource Management Plans and official community plans, as well as associated zoning or land use policies.</li> </ul>	<p>Section 7.9.5.2 Overview, Page 7.9-14; line 26 to 27</p> <p>Table 7.9.1 Summary of Key Legislation, Policy, and Regulatory Guidance Documents for Land and Resource Use, Page 7.9-3 to Page 7.9-4</p> <p>Section 7.9.1.1 Provincial Lands Use Plans, Page 7.9-5; line 1 to 16</p> <p>Section 7.9.1.2 Municipal Plans, By-laws and Policies, Page 7.9.5; lines 17-41</p> <p>Section 7.9.1.3 Indigenous Land Use Plans, Page 7.9-6; lines 1 to 32</p>
<p>Section 7.9.2 Existing Conditions Page 115</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>• Identify subgroups within the study area and their vulnerability to land and resource use effects (e.g., Indigenous community members).</li> </ul>	<p>Section 7.9.5.2 Overview, Indigenous Land Use, Page 7.9-28; line 1 to 38</p>
<p>Section 7.9.2 Existing Conditions Page 115</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>• Describe the following types of land or resource uses in the assessment areas and provide maps, as applicable: <ul style="list-style-type: none"> <li>○ Private property and residential areas</li> <li>○ Industrial land uses (e.g., mining, oil and gas)</li> <li>○ Other tenured, permitted, or licensed land uses (e.g., trapping, guiding)</li> <li>○ Consumptive land uses (e.g., hunting, freshwater fishing, trapping, vegetation gathering)</li> <li>○ Outdoor recreation areas (e.g., camping, hiking, off-road vehicle operation)</li> <li>○ Tourism</li> <li>○ Parks and protected areas</li> </ul> </li> </ul>	<p>Section 7.9.5.2 Overview, Page 7.9-14; line 14 to Page 7.9-25; line 43; Page 7.9-26; Photo 7.9.1, Photo 7.9.2; Page 7.9-27; Photo 7.9.3, Photo 7.9.4</p>
<p>Section 7.9.2 Existing Conditions Page 115</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>• Describe current conditions related to noise, or nighttime light nuisance for occupants or resource users</li> </ul>	<p>Section 7.9.5.2, Overview, Ambient Light, Page 7.9-25; line 34 to 43; Page 7.9-27; Photo 7.9.3, Photo 7.9.4</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.9.2 Existing Conditions Page 116	The Application will: <ul style="list-style-type: none"> <li>Describe the existing visual landscape from key public use areas in the assessment areas</li> </ul>	Section 7.9.5.2, Overview, Visual Landscape Quality, Page 7.9-25; line 11 to 32; Page 7.9-26; Photo 7.9.1, Photo 7.9.2
Section 7.9.2 Existing Conditions Page 116	The Application will: <ul style="list-style-type: none"> <li>Describe available Indigenous or local knowledge related to land and resource use</li> </ul>	Section 7.9.5.2 Overview, Indigenous Land Use, Page 7.9-28; line 1 to 38
Section 7.9.2 Existing Conditions Page 116	To support the analysis of potential effects to distinct human populations, disaggregated data will be used to the extent that it is publicly available.	Section 7.9.5.2 Overview, Indigenous Land Use, Page 7.9-28; line 16 to 25
Section 7.9.3 Project Interactions Page 116	The Application will include a description of the project interactions with land and resource use, as identified in Table 6.4.1, following the methods outlined in Section 6.4.	Section 7.9.6 Project Land and Resource Use Interactions, Table 7.9.11 Potential Project Interactions and Effects on Land and Resource Use, Page 7.9-29
Section 7.9.4 Project Effects Assessment Page 116	The assessment of project residual effects on land and resource use will follow the methods outlined in Section 6.4 through 6.8.	Section 7.9.7 Assessment of Land and Resource Use, Page 7.9-30; line 1 to 36
Section 7.9.4 Project Effects Assessment Page 116	The Application 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> </ul>	Section 7.9.7.1 Assessment Methods, Pages 7.9-30; line 1 to Page 7.9-32; line 17; Page 7.9-31 to Page 7.9.32; Table 7.9.12
Section 7.9.4 Project Effects Assessment Page 116	The Application will include: <ul style="list-style-type: none"> <li>A description of the project mechanisms with potential to result in effects to the VC.</li> </ul>	Section 7.9.7.2 Assessment of Change in Property and Tenured Land Use, Project Pathways, Pages 7.9.32; line 21 to Page 7.9-35; line 27 Section 7.9.7.3 Assessment of Change in Non-tenured Land Use, Project Pathways, Pages 7.9-47; line 20 to Page 7.9-48; line 29

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 7.9.4 Project Effects Assessment Page 116</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>A description of mitigation measures to manage adverse effects and enhancement measures to augment positive effects.</li> </ul>	<p>Section 7.9.7.2 Assessment of Change in Property and Tenured Land Use, Mitigation and Enhancement Measures, Page 7.9-35; line 28 to 34; Page 7.9-36 to Page 7.9-40; Table 7.9-13</p> <p>Section 7.9.7.3 Assessment of Change in Non-tenured Land Use, Mitigation and Enhancement Measures, Page 7.9-48; lines 30-36; Page 7.9-49 to Page 7.9-53; Table 7.9-14</p> <p>Section 7.9.7.4 Summary of Mitigation and Enhancement Measures, Page 7.9-60 to Page 7.9-61; Table 7.9-15</p>
<p>Section 7.9.4 Project Effects Assessment Page 116</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>An assessment of positive and adverse effects of the Project and a characterization of project-specific residual effects.</li> </ul>	<p>Section 7.9.7.2 Assessment of Change in Property and Tenured Land Use, Project Residual Effects, Page 7.9-41; line 1 to Page 7.9-47; line 18</p> <p>Section 7.9.7.3 Assessment of Change in Non-tenured Land Use, Project Residual Effects, Page 7.9-54; line 1 to Page 7.9-60; line 4</p> <p>Section 7.9.7.5 Summary of Project Residual Effects, Page 7.9-61 to 7.9-63; Table 7.9.16</p>
<p>Section 7.9.5 Cumulative Effects Page 116</p>	<p>The Application will provide an assessment of the cumulative effects to land and resource use, following the procedure described in Section 6.9.</p>	<p>Section 7.9.8 Assessment of Cumulative Effects on Land and Resource Use, Section 7.9.8.1 Assessment Methods, Page 7.9-66; line 1 to 29, Section 7.9.8.2 Project Residual Effects Likely to Interact Cumulatively, Page 7.9-66; line 30 to Page 7.9-67; line 18; Page 7.9-67 to Page 7.9-68; Table 7.9.17</p>
<p>Section 7.9.5 Cumulative Effects Page 116</p>	<p>The Application will describe the likelihood of adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.</p>	<p>Section 7.9.8.3 Change in Private Property and Tenured Land Use, Page 7.9-68; line 2 to Page 7.9-70; line 4</p> <p>Section 7.9.8.4 Change in Non-tenured Land Use, Page 7.9-70; line 5 to Page 7.9-71; line 12</p> <p>Section 7.9.8.5 Summary of Cumulative Effects, Page 7.9-71; line 13 to 38; Page 7.9-72; Table 7.9.18</p>
<p>Section 7.9.6 Follow-up Strategy Page 116</p>	<p>The Application will provide a follow-up strategy if a positive or adverse residual effect and/or cumulative effect has been identified in the assessment of land and resource use, following the procedure described in Section 6.10.</p>	<p>Section 7.9.10 Follow-up Strategy, Page 7.9-73; line 19 to 33</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.10 Marine Use Page 117	The Application will provide an assessment of potential residual and cumulative effects of the Project on marine use.	Section 7.10.7 Assessment of Effects on Marine Use, Page 7.10-39; line 1 to Page 7.10-65; line 18  Section 7.10.8 Assessment of Cumulative Effects on Marine Use, Page 7.10-68; line 1 to Page 7.10-78; line 26.
Section 7.10 Marine Use Page 117	As appropriate, the Application will incorporate information and results of previous environmental assessments completed in the region.	Section 7.10.5.1 Methods, Page 7.10-12; line 30 to 32 and line 37 to 39
Section 7.10.1 Scope of Assessment Page 117	The Application will define and describe the scope of the assessment of potential effects on marine use from the Project, including potential effects from marine shipping and transportation (during all project phases).	Section 7.10.6 Project Interactions on Marine Use, Page 7.10-36; line 29 to Page 7.10-38; line 41; Table 7.10.10.
Section 7.10.1 Scope of Assessment Page 117	The assessment will include a description of statutes, policies and frameworks that are relevant to marine use management.	Section 7.10.1 Relevant Statutes, Policies and Frameworks, Page 7.10-1, line 18 to Page 7.10-4; line 36; Table 7.10.1.
Section 7.10.1 Scope of Assessment Page 118	The Application will describe how information obtained through consultation with regulators, stakeholders, community members and Indigenous Nations was used in the assessment.	Section 7.10.2 The Influence of Consultation and Engagement, Page 7.10-6; line 10 to Page 7.10-9; line 26; Table 7.10.2.
Section 7.10.1 Scope of Assessment Page 118	Where information on traditional knowledge and traditional use is obtained from Indigenous Nations through consultation, information gathering, and voluntary information sharing, the Application will describe how it was integrated into the assessment.	Section 7.10.2.1 Traditional Knowledge and Traditional Use Incorporation, Page 7.10-9; lines 1 to 26
Section 7.10.1 Scope of Assessment Page 118	The Application will define potential effects to marine use and outline indicators that will be used to measure these effects, following the methods outlined in Section 6.4.2.	Section 7.10.3 Selection of Potential Effects and Indicators/Measurable Parameters, Page 7.10-9; line 27 to Page 7.10-10; line 13; Table 7.10.3.



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.10.1 Scope of Assessment Page 118	Table 7.10.1 presents the potential project effects to marine use and the indicators that will be used in the Application to evaluate the potential project effects.	Section 7.10.3 Selection of Potential Effects and Indicators/Measurable Parameters, Page 7.10-9; line 27 to Page 7.10-10; line 13; Table 7.10.3.
Section 7.10.1 Scope of Assessment Page 118	The Application will identify and justify the spatial and temporal boundaries for the marine use assessment. Anticipated spatial boundaries are presented in Table 6.2.1 and Table 6.2.2 (and Figure 6.2.13).	Section 7.10.4.1 Spatial Boundaries, Page 7.10-11; lines 4 to 13 Section 7.10.4.2 Temporal Boundaries, Page 7.10-11; lines 14 to 25; Figure 7.10.1; Figure 7.10.2.
Section 7.10.1 Scope of Assessment Page 118	Project specific effects on marine use will be assessed within the LAA while cumulative effects of regional and reasonably foreseeable future projects will be assessed within the RAA.	Section 7.10.3 Selection of Potential Effects and Indicators/Measurable Parameters, Page 7.10-9; line 27 to Page 7.10-10; line 13; Table 7.10.3.  Section 7.10.7 Assessment of Effects on Marine Use, Page 7.10-39; line 1 to Page 7.10-65; line 18  Section 7.10.8 Assessment of Cumulative Effects on Marine Use, Page 7.10-68; line 1 to Page 7.10-78; line 26
Section 7.10.1 Scope of Assessment Page 118	The Application will also define any administrative or technical boundaries that may constrain the assessment of potential project effects.	Section 7.10.4.3 Administrative Boundaries, Page 7.10-11; line 26 to Page 7.10-12; line 10  Section 7.10.4.4 Technical Boundaries, Page 7.10-12; line 11 to 24
Section 7.10.2 Existing Conditions Page 119	In terms of commercial fisheries, Fisheries Management Areas (FMAs) 4, 5, and 6 are intersected by Project's shipping route. Commercial fisheries occurring within these FMAs include salmon, pacific herring, geoduck clams, red sea urchins, pacific halibut, Dungeness crab, sea cucumbers, prawns and shrimp, groundfish, and octopus. Harvesting seasons, gear and methods (e.g., seine, gill nets, drift nets, hand rigs, diving) are dependent on the target species.  The Application will: <ul style="list-style-type: none"> <li>Identify and describe navigable waters</li> </ul>	Section 7.10.5.2 Overview – Marine Terminal and Marine Shipping, Page 7.10-14; line 3 to 35  Section 7.10.7.2 Assessment of Change in Marine Navigation, Page 7.10-52; line 5 to Page 7.10-53; line 16; Figure 7.10.4; Figure 7.10.5; Figure 7.10.6; Figure 7.10.7; Figure 7.10.8; Figure 7.10.9; Figure 7.10.10



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Describe relevant marine use plans</li> </ul>	Section 7.10.1.2 Indigenous Nation Marine Plans, Page 7.10-5; line 1 to Page 7.10-6; line 9
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Identify any marine protected areas</li> </ul>	Section 7.10.5.2 Overview – Recreation and Tourism; Recreation; Marine Protected Areas, Page 7.10-33; line 1 to 6; Figure 7.10.12
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Summarize marine operation, management plans, policies and objectives</li> </ul>	Section 7.10.1 Relevant Statutes, Policies and Frameworks, Page 7.10-1; line 18 to Page 7.10-4; line 36; Table 7.10.1 Section 7.10.5.2 Overview – Marine Terminal and Marine Shipping, Page 7.10-14; lines 3 to 35
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Review existing TERMPOL studies for the Project shipping route</li> </ul>	Section 7.10.5.1 Methods – Plans and Reports, Page 7.10-13; line 5 to 8 Section 7.10.6.1 Marine Shipping Route, Page 7.10-38; line 26 to 41 Section 7.10.7.1 Assessment Methods, Page 7.10-39; line 4 to 13; Table 7.10.2; Table 7.10.13
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Summarize Canadian Coast Guard services in the area</li> </ul>	Section 7.10.5.2 Overview – Canadian Coast Guard Services, Marine Communications, and Marine Safety, Page 7.10-16; line 1 to 26
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Identify and describe marine infrastructure, and navigation aids</li> </ul>	Section 7.10.5.2 Overview – Marine Terminal and Navigational Aids, Page 7.10-14; line 3 to 21 and 34 to 43; Page 7.10-15; line 1 to 16
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Summarize applicable marine communication policies and procedures</li> </ul>	Section 7.10.5.2 Overview – Canadian Coast Guard Services, Marine Communications, and Marine Safety, Page 7.10-16; lines 1 to 24

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Summarize marine shipping lighting requirements mandated by specific codes and technical standards</li> </ul>	Section 7.10.5.2 Overview – Marine Shipping Lighting Requirements, Page 7.10-15; line 19 to 39
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Describe and quantify shipping and other marine traffic (e.g., cruise ships, ferries, fishers, recreational boaters, commercial tour operators, military, coast guard, tugboats, and barges)</li> </ul>	Section 7.10.5.2 Overview – Prince Rupert Vessel Traffic Zone, Page 7.10-16; line 27-35 to Page 7.10-17; line 1 to 6; Table 7.10.4 Section 7.10.5.2 Overview – Port of Kitimat, Page 7.10-18; line 1 to Page 7.10-20; line 4; Table 7.10.5; Photo 7.10.1; Photo 7.10.2. Section 7.10.5.2 Overview – Cruise Ships, Page 7.10-21; line 1 to 15 Section 7.10.5.2 Overview – Ferries, Page 7.10-21; line 16 to Page 7.10-22; line 10; Figure 7.10.3
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Describe and quantify commercial fisheries</li> </ul>	Section 7.10.5.2 Overview – Marine Fisheries, Page 7.10-22; line 11 to Page 7.10-26; line 13; Table 7.10.7; Figure 7.10.4; Figure 7.10.5; Figure 7.10.6; Figure 7.10.7; Figure 7.10.8; Figure 7.10.9; Figure 7.10.10.
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Describe other tenured, permitted, or licensed marine uses (e.g., aquaculture, moorage)</li> </ul>	Section 7.10.5.2 Overview – Aquaculture, Page 7.10-3; line 13 to 26 Section 7.10.5.2 Overview – Recreation and Tourism; Marinas and Moorage Facilities, Page 7.10-33; line 33 to 35; Table 7.10.9; Figure 7.10.16
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Describe recreational fishing</li> </ul>	Section 7.10.5.2 Overview – Recreational Fisheries, Page 7.10-25; line 35 to Page 7.10-26; line 13; Figure 7.10.11
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Identify and describe Indigenous fisheries and boating routes</li> </ul>	Section 7.10.5.2 Overview – Indigenous Fisheries, Page 7.10-26; line 14 to Page 7.10-32; line 12; Table 7.10.8
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Describe other marine harvesting uses and activities</li> </ul>	Section 7.10.5.2 Overview – Indigenous Fisheries, Page 7.10-26; line 14 to Page 7.10-32; line 12; Table 7.10.8

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Describe marine recreation and tourism in the area</li> </ul>	Section 7.10.5.2 Overview – Recreation and Tourism, Page 7.10-32; line 27 to Page 7.10-35; line 22; Figure 7.10.13; Figure 7.10.14
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Describe the visual landscape from key use areas</li> </ul>	Section 7.10.5.2 Overview – Aesthetic Conditions, Page 7.10-35; line 23 to Page 7.10-36; line 28
Section 7.10.2 Existing Conditions Page 119	The Application will: <ul style="list-style-type: none"> <li>Describe available Indigenous or local knowledge related to marine use</li> </ul>	Section 7.10.2 The Influence of Consultation and Engagement, Page 7.10-6; line 10 to Page 7.10-9; line 26; Table 7.10.2  Section 7.10.2.1 Traditional Knowledge and Traditional Use Incorporation, Page 7.10-9; lines 1 to 26  Section 7.10.5.2 Overview – Indigenous Fisheries, Page 7.10-26; line 14 to Page 7.10-32; line 12; Table 7.10.8
Section 7.10.2 Existing Conditions Page 120	To support the analysis of potential effects to distinct human populations, disaggregated data will be used to the extent that it is publicly available.	Section 7.10.7.3 Assessment of Change in Marine Fisheries and Other Uses, Page 7.10-61, Lines 8-13 and Page 7.10-63, Lines 11-20.  Section 7.10.8.4 Change in Marine Fisheries and Other Uses, Page 7.10-76; line 1 to 10
Section 7.10.3 Project Interactions Page 120	The Application will include a description of the project interactions with marine use, as identified in Table 6.4.1, following the methods outlined in Section 6.4.	Section 7.10.6 Project Interactions on Marine Use, Page 7.10-36; line 29 to Page 7.10-38; line 41
Section 7.10.4 Project Effects Assessment Page 120	The assessment of project residual effects on marine use will follow the methods outlined in Section 6.4 through 6.8.	Section 7.10.7.1 Assessment Methods, Page 7.10-39; line 4 to Page 7.10-44; line 17
Section 7.10.4 Project Effects Assessment Page 120	The Application 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> </ul>	Section 7.10.7.1 Assessment Methods, Page 7.10-39; line 4 to Page 7.10-44; line 17

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.10.4 Project Effects Assessment Page 120	The Application will include: <ul style="list-style-type: none"> <li>A description of the project mechanisms with potential to result in effects to the VC.</li> </ul>	Section 7.10.7.2 Assessment of Change in Marine Navigation, Page 7.10-44; line 18 to Page 7.10-45; line 6 Section 7.10.7.3 Assessment of Change in Marine Fisheries and Other Uses, Page 7.10-54; line 16 to 41
Section 7.10.4 Project Effects Assessment Page 120	The Application will include: <ul style="list-style-type: none"> <li>A description of mitigation measures to manage adverse effects and enhancement measures to augment positive effects.</li> </ul>	Section 7.10.7.2 Assessment of Change in Marine Navigation, Page 7.10-44; line 18 to Page 7.10-45; line 6 Section 7.10.7.3 Assessment of Change in Marine Fisheries and Other Uses, Page 7.10-54; line 16 to 41 Section 7.10.7.4 Summary of Mitigation and Enhancement Measures, Page 7.10-64; line 14-16; Table 7.10.17
Section 7.10.4 Project Effects Assessment Page 120	The Application will include: <ul style="list-style-type: none"> <li>An assessment of positive and adverse effects of the Project and a characterization of project-specific residual effects.</li> </ul>	Section 7.10.7.5 Summary of Project Residual Effects, Page 7.10-65; line 1 to 18
Section 7.10.5 Cumulative Effects Page 120	The Application will provide an assessment of the cumulative effects to marine use, following the procedure described in Section 6.9.	Section 7.10.8 Assessment of Cumulative Effects on Marine Use, Page 7.10-68; line 1 to Page 7.10-78; line 26
Section 7.10.5 Cumulative Effects Page 120	The Application will describe the likelihood of adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 7.10.7.2 Assessment of Change in Marine Navigation – Likelihood and Context of Residual Effects, Page 7.10-54; line 4 to 15 Section 7.10.7.3 Assessment of Change in Marine Fisheries and Other Uses – Likelihood and Context of Residual Effects, Page 7.10-63; line 37 to Page 7.10-64; line 13 Section 7.10.8.4 Change in Marine Navigation – Likelihood of Cumulative Residual Effect, Page 7.10-73; lines 31 to 34 Section 7.10.8.5 Change in Marine Fisheries and Other Uses – Likelihood of Cumulative Residual Effect, Page 7.10-76; line 17 to 24



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.10.6 Follow-up Strategy Page 120	The Application will provide a follow-up strategy if a positive or adverse residual effect and/or cumulative effect has been identified in the assessment of marine use, following the procedure described in Section 6.10.	Section 7.10.9 Follow-up Strategy, Page 7.10-79; line 9 to 17
Section 7.11 Infrastructure and Services Page 120	The Application will provide an assessment of potential residual and cumulative effects of the Project on infrastructure and services.	Sections 7.11.6 Project Infrastructure and Services Interactions to 7.11.9 Assessment of Cumulative Effects on Infrastructure and Services, Page 7.11-27; line 1 to Page. 7.11-64; line 3
Section 7.11 Infrastructure and Services Page 120	As appropriate, the Application will incorporate information and results of previous environmental assessments completed in the region and contemporary data collected from primary and secondary sources.	Section 7.11.5 Existing Conditions, Page 7.11-7; line 1 to 7.11-39; line 32
Section 7.11.1 Scope of Assessment Page 121	The Application will define and describe the scope of the assessment of potential effects on infrastructure and services from the Project (during all project phases).	Section 7.11.1 Relevant Statutes, Policies and Frameworks, Page 7.11-1; line 15 to Page 7.11-2; line 3 Section 7.11.4 Technical Boundaries, Page 7.11-6; line 1 to 36
Section 7.11.1 Scope of Assessment Page 121	The assessment will include a list of statutes, policies and frameworks that are relevant to infrastructure and services management.	Section 7.11.1 Relevant Statutes, Policies and Frameworks, Page 7.11-1; line 15 to Page 7.11-2; line 3
Section 7.11.1 Scope of Assessment Page 121	The Application will describe how information obtained through consultation with regulators, stakeholders, community members and Indigenous Nations was used in the assessment.	Section 7.11.2 The Influence of Consultation and Engagement, Page 7.11-2; lines 4 to 12; Table 7.11.1
Section 7.11.1 Scope of Assessment Page 121	Where information on traditional knowledge and traditional use is obtained from Indigenous Nations through consultation, information gathering, and voluntary information sharing, the Application will describe how it was integrated into the assessment.	Section 7.11.2 The Influence of Consultation and Engagement, Page 7.11-2; line 4 to 12; Table 7.11.1

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.11.1 Scope of Assessment Page 121	The Application will define potential effects to infrastructure and services and outline indicators that will be used to measure these effects, following the methods outlined in Section 6.4.2.	Section 7.11.3 Selection of Potential Effects and Indicators/Measurable Parameters, Page 7.11-4, lines 1 to 24; Table 7.11.2
Section 7.11.1 Scope of Assessment Page 121	Table 7.11.1 presents the potential project effects to infrastructure and services and the indicators that will be used in the Application to evaluate the potential project effects.	Section 7.11.3 Selection of Potential Effects and Indicators/Measurable Parameters, Page 7.11-4, lines 1 to 24; Table 7.11.2
Section 7.11.1 Scope of Assessment Page 122	The Application will identify and justify the spatial and temporal boundaries for the infrastructure and services assessment. Anticipated spatial boundaries are presented in Table 6.2.1 and Table 6.2.2 (Figure 6.2.14 and Figure 6.2.15).	Section 7.11.4 Boundaries, Page 7.11-5; line 1 to Page 7.11-6; line 38
Section 7.11.1 Scope of Assessment Page 122	Project-specific effects on infrastructure and services will be assessed within the LAA while cumulative effects of regional and reasonably foreseeable future projects will be assessed within the RAA.	Section 7.11.4.1 Spatial Boundaries, Page 7.11-5, lines 4 to 18
Section 7.11.1 Scope of Assessment Page 122	The Application will also define any administrative or technical boundaries that may constrain the assessment of potential project effects.	Section 7.11.4.3 Administrative Boundaries, Page 7.11-5; lines 31 to 37 Section 7.11.4.4 Technical Boundaries, Page 7.11-6; lines 1 to 38
Section 7.11.2 Existing Conditions Page 123	The application will describe how the Project interacts differently with distinct human populations (GBA+). It will describe how certain subgroups may be differentially affected due to variety of factors including gender.	Section 7.11.5.1 Methods, Page 7.11-7; lines 19 to 24 Section 7.11.5.2 Overview, Pages 7.11-8; line 18 to Page 7.11-12; line 22; Table 7.11.3, 7.11.4, 7.11.5 Section 7.11.7.5 Summary of Project Residual Effects; Page 7.11-64; line 36 to 41



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 7.11.2 Existing Conditions Page 123</p>	<p>Intersectionality (multiple identity factors that influence their experiences) will be considered.</p>	<p>Section 7.11.5.1 Methods, Page 7.11-7; lines 19 to 24 Section 7.11.5.2 Overview, Pages 7.11-8; line 18 to Page 7.11-12; line 22; Table 7.11.3, 7.11.4, 7.11.5 Section 7.11.7.5 Summary of Project Residual Effects; Page 7.11-64; line 36 to 41</p>
<p>Section 7.11.2 Existing Conditions Page 123</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>• Identify and describe relevant administrative boundaries (e.g., regional districts, municipalities, treaty areas, reserves).</li> </ul>	<p>Section 7.11.4.3 Administrative Boundaries, Page 7.11-5; lines 31 to 37</p>
<p>Section 7.11.2 Existing Conditions Page 123</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>• Describe relevant population demographics and trends, including: <ul style="list-style-type: none"> <li>○ Population size</li> <li>○ Gender</li> <li>○ Age</li> <li>○ Education</li> <li>○ Permanent and temporary populations</li> </ul> </li> </ul>	<p>Section 7.11.5.2.2 Population, Page 7.11-9; lines 12-41 to Page 7.11-13; line 24</p>
<p>Section 7.11.2 Existing Conditions Page 124</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>• Identify and describe the capacity of the following: <ul style="list-style-type: none"> <li>○ Health care and social services and facilities</li> <li>○ Emergency response services</li> <li>○ Domestic water supply</li> <li>○ Sewage and water treatment facilities</li> <li>○ Solid waste collection services, landfills and recycling facilities</li> </ul> </li> </ul>	<p>Section 7.11.5.2.4 Water, Page 7.11-13; line 26 to Page 7.11-15; line 5 Section 7.11.5.2.5 Sewage, Page 7.11-15; line 6 to 17; Table 7.11.17 Section 7.11.5.6 Solid and Hazardous Waste, Page 7.11-15; line 18; Page 7.11-16, line 25 Section 7.11.5.7 Education, Page 7.11-16; line 26 to Page 7.11-21; line 15 Section 7.11.5.8 Health Care, Page 7.11-21; line 16 to Page 7.11-23 line 10 Section 7.11.5.9 Emergency and Protective Services, Page 7.11-23; line 11 to Page 7.11-25; line 8</p>

AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.11.2 Existing Conditions Page 124 (cont'd)	(cont'd from above) <ul style="list-style-type: none"> <li>○ Community recreational infrastructure, facilities and services</li> <li>○ Educational services, facilities and day care</li> <li>○ Any other relevant public or private sector infrastructure and services</li> </ul>	(cont'd from above)  Section 7.11.5.10 Municipal Recreation Centres, Page 7.11-25; line 9 to Page 7.11.26; line 12
Section 7.11.2 Existing Conditions Page 124	The Application will: <ul style="list-style-type: none"> <li>● Describe the capacity of local and regional transportation infrastructure.</li> </ul>	Section 7.11.5.11 Transportation, Page 7.11-25; line 13 to Page 7.11-30; line 13
Section 7.11.2 Existing Conditions Page 124	The Application will: <ul style="list-style-type: none"> <li>● Describe the capacity of housing and accommodation.</li> </ul>	Section 7.11.5.12 Housing and Accommodations, Page 7.11-30; line 14 to Page 7.11-39; lines 32
Section 7.11.2 Existing Conditions Page 124	The Application will: <ul style="list-style-type: none"> <li>● Describe available Indigenous or local knowledge related to infrastructure and services.</li> </ul>	Section 7.11.2 The Influence of Consultation and Engagement, Page 7.11-2; line 4 to 12; Table 7.11.1
Section 7.11.2 Existing Conditions Page 124	To support the analysis of potential effects to distinct human populations, disaggregated data will be used to the extent that it is publicly available.	Section 7.11.5.1 Methods, Page 7.11-7; lines 19 to 24 Section 7.11.5.2 Overview, Pages 7.11-8; line 18 to Page 7.11-12; line 22; Table 7.11.3, 7.11.4, 7.11.5
Section 7.11.3 Project Interactions Page 124	The Application will include a description of the project interactions with infrastructure and services, as identified in Table 6.4.1, following the methods outlined in Section 6.4.	Section 7.11.6 Project Infrastructure and Services Interactions, Page 7.11-40, lines 1 to 7, Table 7.11.18



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.11.4 Project Effects Assessment Page 124	The assessment of project residual effects on infrastructure and services will follow the methods outlined in Sections 6.4 through 6.8.  The Application 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> </ul>	Section 7.11.7.1 Assessment Methods, Page 7.11-41; line 33 to Page 7.11-44; line 17
Section 7.11.4 Project Effects Assessment Page 124	The Application will include: <ul style="list-style-type: none"> <li>• A description of the project mechanisms with potential to result in effects to the VC.</li> </ul>	Section 7.11.7.2 Assessment of Change in Infrastructure and Services, Project Pathways, Page 7.11-44; lines 21 to Page 7.11-46; line 11  Section 7.11.7.3 Assessment of Change in Accommodation Availability, Project Pathways, Page 7.11-55, lines 15 to Page 7.11-56; line 18  Section 7.11.7.4 Assessment of Change in Transportation Infrastructure, Project Pathways, Page 7.11-59; line 31 to Page 7.11-60; line 10
Section 7.11.4 Project Effects Assessment Page 124	The Application will include: <ul style="list-style-type: none"> <li>• A description of mitigation measures to manage adverse effects and enhancement measures to augment positive effects.</li> </ul>	Section 7.11.7.2 Assessment of Change in Infrastructure and Services, Mitigation and Enhancement Measures, Page 7.11-46; lines 12 to 17; Table 7.11.20  Section 7.11.7.3 Assessment of Change in Accommodation Availability, Mitigation and Enhancement Measures, Page 7.11-56, lines 19 to 24; Table 7.11.21  Section 7.11.7.4 Assessment of Change in Transportation Infrastructure, Mitigation and Enhancement Measures, Page 7.11-60; lines 11 to 16; Table 7.11.22
Section 7.11.4 Project Effects Assessment Page 124	The Application will include: <ul style="list-style-type: none"> <li>• An assessment of positive and adverse effects of the Project and a characterization of project-specific residual effects.</li> </ul>	Section 7.11.7.2 Assessment of Change in Infrastructure and Services, Project Residual Effect, Page 7.11-52; line 1 to Page 7.11-54; line 34  Section 7.11.7.3 Assessment of Change in Accommodation Availability, Project Residual Effect, Page 7.11-58, line1 to Page 7.11-59; line 8  Section 7.11.7.4 Assessment of Change in Transportation Infrastructure, Project Residual Effect, Page 7.11-64; lines 1 to 41

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.11.5 Cumulative Effects Page 125	The Application will provide an assessment of the cumulative effects to infrastructure and services, following the procedure described in Section 6.9.	Section 7.11.8 Assessment of Cumulative Effects on Infrastructure and Services, Page 7.11-69 line 1 to Page 7.11-76; line 41; Table 7.11.25
Section 7.11.5 Cumulative Effects Page 125	The Application will describe the likelihood of adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 7.11.8.3 Change in Infrastructure and Services, Page 7.11-73; lines 1 to 7 Section 7.11.8.4 Change in Accommodation Availability, Page 7.11-75, lines 5 to 13 Section 7.11.8.5 Change in Transportation Infrastructure, Page 7.11-59; line 32 to Page 7.11-76; lines 36 to 41 Section 7.11.9.5 Summary of Cumulative Effects, Page 7.11-77, lines 1-2, Table 7.11.25
Section 7.11.6 Follow-up Strategy Page 125	The Application will provide a follow-up strategy if a positive or adverse residual effect and/or cumulative effect has been identified in the assessment of infrastructure and services, following the procedure described in Section 6.10.	Section 7.11.10 Follow-up Strategy, Page 7.11-78; line 11 to 16
Section 7.12 Human Health Page 125	The Application will provide an assessment of potential residual and cumulative effects of the Project on human health.	Section 7.12.7 Assessment of Residual Effects on Human Health, Page 7.12-16; line 5 to Page 7.12-37; line 22; Table 7.12.6 Section 7.12.8 Assessment of Cumulative Effects on Human Health, Page 7.12-39; line 1 to Page 7.12-40; line 9; Table 7.12.17
Section 7.12 Human Health Page 125	The Application will incorporate information and results of previous environmental assessments completed in the region.	Appendix 7.12A, Section 2.3 Existing Human Health Studies
Section 7.12.1 Scope of Assessment Page 125	The Application will define and describe the scope of the assessment of potential effects on human health from the Project (during all project phases).	Section 7.12 Human Health, Page 7.12-1; line 1 to 26 Section 7.12.6 Project Interactions with Human Health, Page 7.12-7; line 30 to Page 7.12-16; line 4
Section 7.12.1 Scope of Assessment Page 125	The assessment will include a description of statutes, policies and frameworks that are relevant to human health management.	Section 7.12.1 Relevant Statutes, Policies and Frameworks, Page 7.12-1; line 27 to Page 7.12-2; line 28

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.12.1 Scope of Assessment Page 126	The Application will describe how information obtained through consultation with regulators, stakeholders, community members and Indigenous Nations was used in the assessment.	Section 7.12.2 The Influence of Consultation and Engagement, Page 7.12-2; line 29 to 36; Table 7.12.1
Section 7.12.1 Scope of Assessment Page 126	Where information on traditional knowledge and traditional use is obtained from Indigenous Nations through consultation, information gathering, and voluntary information sharing, the Application will describe how it was integrated into the assessment.	Section 7.12.2 The Influence of Consultation and Engagement, Page 7.12-2; line 29 to 36; Table 7.12.1
Section 7.12.1 Scope of Assessment Page 126	<p>The Application will define potential effects to human health and outline indicators that will be used to measure these effects, following the methods outlined in Section 6.4.2.</p> <p>Table 7.12.1 presents the potential project effects to human health and the indicators that will be used in the Application to evaluate the potential project effects.</p>	Section 7.12.3 Selection of Potential Effects and Indicators/Measurable Parameters; Page 7.12-5; line 1 to 9
Section 7.12.1 Scope of Assessment Page 126	The Application will identify and justify the spatial and temporal boundaries for the human health assessment. Anticipated spatial boundaries are presented in Table 6.2.1 and Table 6.2.2 (and Figure 6.2.1).	<p>Section 7.12.4.1 Spatial Boundaries, Page 7.12-5; line 13 to Page 7.12-6; line 16</p> <p>Section 7.12.4.2 Temporal Boundaries, Page 7.12-6; line 17 to 31</p>
Section 7.12.1 Scope of Assessment Page 126	The Application will also define any administrative or technical boundaries that may constrain the assessment of potential project effects.	<p>Section 7.12.4.3 Administrative Boundaries, Page 7.12-6; line 32 to 34</p> <p>Section 7.12.4.4 Technical Boundaries; Page 7.12-6; line 35 to 36</p>
Section 7.12.2 Existing Conditions Page 127	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Summarize baseline conditions that are linked to human health, including air quality, surface and groundwater (for potable use), and marine country food.</li> </ul>	Appendix 7.12A, Section 2.0 Site Characterization

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.12.2 Existing Conditions Page 127	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Summarize baseline conditions regarding country food harvesting practices and important species of country food for Indigenous Nations. Information may be obtained from relevant VCs, such as freshwater fish, vegetation resources, wildlife, and marine resources.</li> </ul>	Appendix 7.12A, Section 2.2.4 Country Food Harvesting and Use
Section 7.12.2 Existing Conditions Page 127	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe available Indigenous or local knowledge related to human health.</li> </ul>	Appendix 7.12A, Section 2.2.4 Country Food Harvesting and Use
Section 7.12.3 Project Interactions Page 127	<p>The Application will include a description of the project interactions with human health, as identified in Table 6.4.1, following the methods outlined in Section 6.4.</p>	Section 7.12.6 Project Interactions with Human Health, Page 7.12-7; line 30 to Page 7.12-16; line 4
Section 7.12.4 Project Effects Assessment Page 128	<p>The Application 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> </ul>	Section 7.12.7.1 Assessment Methods, Page 7.12-16; line 24 to Page 7.12-23; line 20
Section 7.12.4 Project Effects Assessment Page 128	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>A description of the project mechanisms with potential to result in effects to the VC.</li> </ul>	Section 7.12.6.1 Exposure Pathways for Human Health, Page 7.12-9; line 1 to 33 Appendix 7.12A, Section 3.3 Conceptual Site Model
Section 7.12.4 Project Effects Assessment Page 128	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>A description of mitigation measures to manage adverse effects and enhancement measures to augment positive effects.</li> </ul>	Section 7.12.7.3 Summary of Mitigation and Enhancement Measures, Page 7.12-37; lines 1 to 5



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 7.12.4 Project Effects Assessment Page 128	The Application will include: <ul style="list-style-type: none"> <li>An assessment of positive and adverse effects of the Project and a characterization of project-specific residual effects.</li> </ul>	Section 7.12.7.4 Summary of Project Residual Effects; page 7.12-37; lines 6 to 22
Section 7.12.5 Cumulative Effects Page 128	The Application will provide an assessment of the cumulative effects to human health, following the procedure described in Section 6.9.	Section 7.12.8 Assessment of Cumulative Effects on Human Health; Page 7.12-39; line 1 to page 7.12-41; line 8
Section 7.12.5 Cumulative Effects Page 128	The Application will describe the likelihood of adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 7.12.8 Assessment of Cumulative Effects on Human Health; Page 7.12-39; line 1 to page 7.12-41; line 8
Section 7.12.6 Follow-up Strategy Page 128	The Application will provide a follow-up strategy if a positive or adverse residual effect and/or cumulative effect has been identified in the assessment of human health, following the procedure described in Section 6.10.	Section 7.12.10 Follow-up Strategy, Page 7-12-41; lines 28 to 39
Section 7.13 Heritage Page 128	The Application will provide an assessment of potential residual and cumulative effects of the Project on heritage resources.	Section 7.13.7 Assessment of Effects on Heritage; Page 7.13-7; line 1 to Page 7.13-9; line 19  Section 7.13.8 Assessment of Cumulative Effects on Heritage; Page 7.13-9; line 20 to 27
Section 7.13 Heritage Page 128	As appropriate, the Application will incorporate information and results of previous environmental assessments completed in the region.	Section 7.13.5 Existing Conditions; Page 7.13-4; line 17 to Page 7.13-6; line 3  Appendix 7.13A Technical Data Report 2020-0013: Archaeological Impact Assessment



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 7.13.1 Scope of Assessment Page 128</p>	<p>The Application will define and describe the scope of the assessment of potential effects on heritage resources from the Project (during construction).</p>	<p>Section 7.13.3 Selection of Potential Effects and Indicators/Measurable Parameters; Page 7.13-2; line 16 to 26; Table 7.13.2 Section 7.13.4 Boundaries; Page 7.13-3; line 1 to Page 7.13-4; line 16 Section 7.13.5 Existing Conditions; Page 7.13-4; line 17 to Page 7.13-6; line 3 Section 7.13.6 Project Interactions on Heritage Resources; Pages 7.13-6; line 4 to Page 7.13-6; line 17, Table 7.13.3</p>
<p>Section 7.13.1 Scope of Assessment Page 128</p>	<p>The assessment will include a description of statutes, policies and frameworks that are relevant to heritage resources management.</p>	<p>Section 7.13.1 Relevant Statutes, Policies and Frameworks; Page 7.13-1; line 12 to 16; Table 7.13.1</p>
<p>Section 7.13.1 Scope of Assessment Page 129</p>	<p>The Application will describe how information obtained through consultation with regulators, stakeholders, community members and Indigenous Nations was used in the assessment.</p>	<p>Section 7.13-2 The Influence of Consultation and Engagement; Pages 7.13-2; line 1 line 15</p>
<p>Section 7.13.1 Scope of Assessment Page 129</p>	<p>Where information on traditional knowledge and traditional use is obtained from Indigenous Nations through consultation, information gathering, and voluntary information sharing, the Application will describe how it was integrated into the assessment.</p>	<p>Section 7.13-2 The Influence of Consultation and Engagement; Pages 7.13-1; line 1 to line 15 Section 7.13.5.2 Overview; Page 7.13-5; line 29 to 33</p>
<p>Section 7.13.1 Scope of Assessment Page 129</p>	<p>The Application will define potential effects to heritage and outline indicators that will be used to measure these effects, following the methods outlined in Section 6.4.2.</p>	<p>Section 7.13-3 Selection of Potential Effects and Indicators/Measurable Parameters; Page 7.13-2; line 16 to 26; Table 7.13.2;</p>
<p>Section 7.13.1 Scope of Assessment Page 129</p>	<p>The heritage assessment will focus on the heritage value of the archaeological or heritage resources being altered, removed, or lost.</p>	<p>Section 7.13-3 Selection of Potential Effects and Indicators/Measurable Parameters; Page 7.13-2; line 16 to 26; Table 7.13.2</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.13.1 Scope of Assessment Page 129	Table 7.13.1 presents the potential project effects to heritage resources and the indicators that will be used in the Application to evaluate the potential project effects.	Section 7.13.3 Selection of Potential Effects and Indicators/Measurable Parameters; Page 7.13-2; line 16 to 26; Table 7.13.2
Section 7.13.1 Scope of Assessment Page 130	The Application will identify and justify the spatial and temporal boundaries for the heritage assessment. Anticipated spatial boundaries are presented in Table 6.2.1 and Table 6.2.2 (and Figure 6.2.16).	Section 7.13.4 Boundaries; Page 7.13-3; line 1 to Page 7.13-4; line 16; Figure 7.13.1
Section 7.13.1 Scope of Assessment Page 130	Project specific effects on heritage resources will be assessed within the LAA while cumulative effects of regional and reasonably foreseeable future projects will be assessed within the RAA.	Section 7.13.4 Boundaries; Page 7.13-3; line 1 to Page 7.13-4; line 16; Figure 7.13.1 Section 7.13.7 Assessment of Effects on Heritage; Page 7.13-7; line 1 to Page 7.13-9; line 19 Section 7.13.8, Assessment of Cumulative Effects on Heritage, Page 7.13-9; line 20 to 27
Section 7.13.1 Scope of Assessment Page 130	The Application will also define any administrative or technical boundaries that may constrain the assessment of potential project effects.	Section 7.13.4.3 Administrative Boundaries; Page 7.13-3; line 17 to Page 7.13-4; line 11 Section 7.13.4.4 Technical Boundaries; Page 7.13-4; line 12 to line 16
Section 7.13.2 Existing Conditions Page 130	The Application will: <ul style="list-style-type: none"> <li>Describe archaeological studies completed in the local and regional assessment areas and any archaeological and heritage sites found within the Project Area and transmission line corridor</li> </ul>	Section 7.13.5 Existing Conditions; Page 7.13-4; line 17 to Page 7.13-6; line 3 Appendix 7.13A Technical Data Report 2020-0013: Archaeological Impact Assessment
Section 7.13.2 Existing Conditions Page 130	The Application will: <ul style="list-style-type: none"> <li>Describe the archaeological potential in the Project Area and transmission line corridor</li> </ul>	Section 7.13.5 Existing Conditions; Page 7.13-4; line 17 to Page 7.13-6; line 3 Appendix 7.13A Technical Data Report 2020-0013: Archaeological Impact Assessment
Section 7.13.2 Existing Conditions Page 131	The Application will: <ul style="list-style-type: none"> <li>Describe recorded archaeological and heritage sites in the Project Area and transmission line corridor</li> </ul>	Section 7.13. 5 Existing Conditions; Page 7.13-4; line 17 to Page 7.13-6; line 3 Appendix 7.13A Technical Data Report 2020-0013: Archaeological Impact Assessment

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.13.2 Existing Conditions Page 131	The Application will: <ul style="list-style-type: none"> <li>Describe the potential for paleontological sites in the Project Area and transmission line corridor</li> </ul>	Section 7.13.5 Existing Conditions; Page 7.13-4; line 17 to Page 7.13-6; line 3
Section 7.13.2 Existing Conditions Page 131	The Application will: <ul style="list-style-type: none"> <li>Describe available Indigenous or local knowledge related to archaeological and heritage resources</li> </ul>	Section 7.13.5 Existing Conditions; Page 7.13-4; line 17 to Page 7.13-6; line 3 Appendix 7.13A Technical Data Report 2020-0013: Archaeological Impact Assessment
Section 7.13.2 Existing Conditions Page 131	To support the analysis of potential effects to distinct human populations, disaggregated data will be used to the extent that it is publicly available.	Section 7.13.5 Existing Conditions; Page 7.13-4; line 17 to Page 7.13-6; line 3
Section 7.13.3 Project Interactions Page 131	The Application will include a description of the project interactions with heritage resources, as identified in Table 6.4.1, following the methods outlined in Section 6.4.	Section 7.13.6 Project Interactions on Heritage Resources; Page 7.13-6; line 4 to line 17; Table 7.13.3
Section 7.13.4 Project Effects Assessment Page 131	The assessment of project residual effects on heritage resources will follow the methods outlined through Sections 6.4 through 6.8.	Section 7.13.7 Assessment of Effects on Heritage; Page 7.13-7; line 1 to Page 7.13-9; line 19
Section 7.13.4 Project Effects Assessment Page 131	The Application 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> </ul>	Section 7.13.5.1 Methods; Page 7.13-4; line 19 to Page 7.13-5; line 10 Section 7.13.7.1 Assessment Methods; Pages 7.13-7; line 6 to Page 7.13-7; line 31 Appendix 7.13A Technical Data Report 2020-0013: Archaeological Impact Assessment
Section 7.13.4 Project Effects Assessment Page 131	The Application will include: <ul style="list-style-type: none"> <li>A description of the project mechanisms with potential to result in effects to the VC.</li> </ul>	Section 7.13.6 Project Interactions on Heritage Resources; Page 7.13-6; line 4 to line 17; Table 7.13.3 Section 7.13.7 Assessment of Effects on Heritage; Page 7.13-7; line 1 to Page 7.13-9; line 19 Appendix 7.13A Technical Data Report 2020-0013: Archaeological Impact Assessment

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 7.13.4 Project Effects Assessment Page 131	The Application will include: <ul style="list-style-type: none"> <li>A description of mitigation measures to manage adverse effects and enhancement measures to augment positive effects.</li> </ul>	Section 7.13.7.2 Mitigation and Enhancement Measures; Pages 7.13-7; line 32 to Page 7.13-8; line 34  Appendix 7.13A Technical Data Report 2020-0013: Archaeological Impact Assessment
Section 7.13.4 Project Effects Assessment Page 131	The Application will include: <ul style="list-style-type: none"> <li>An assessment of positive and adverse effects of the Project and a characterization of project-specific residual effects.</li> </ul>	Section 7.13.7 Assessment of Effects on Heritage; Page 7.13-7; line 1 to Page 7.13-9; line 19
Section 7.13.5 Cumulative Effects Page 131	The Application will provide an assessment of the cumulative effects to heritage resources, following the procedure described in Section 6.9.	Section 7.13.8, Assessment of Cumulative Effects on Heritage; Page 7.13-9; line 20 to 27
Section 7.13.5 Cumulative Effects Page 131	The Application will describe the likelihood of adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 7.13.8, Assessment of Cumulative Effects on Heritage; Page 7.13-9; line 20 to 27
Section 7.13.6 Follow-up Strategy Page 131	The Application will provide a follow-up strategy if a positive or adverse residual effect and/or cumulative effect has been identified in the assessment of heritage resources following the procedure described in Section 6.10.	Section 7.13.9 Follow-up Strategy; Page 7.13-9; line 28 to 31
Section 8.0 Greenhouse Gas Emissions Page 132	The Application will provide information on GHG emissions, impact of the Project on carbon sinks, the impact of the Project on provincial and federal emissions reduction efforts and on global GHG emissions, GHG mitigation measures, climate resiliency and a credible net-zero plan as described in the Strategic Assessment of Climate Change (ECCC 2020).	Section 8.0 Greenhouse Gas Emissions, Page 8-1; line 1 to Page 8-23; line 26



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 8.0 Greenhouse Gas Emissions</p> <p>Page 132</p>	<p>In terms of quantification of GHG emissions from the Project, the assessment will address the following:</p> <ul style="list-style-type: none"> <li>Describe each of the Project’s main sources of GHG emissions, by GHG type and their estimated GHG emissions over the lifetime of the project. This includes the Project’s potential positive or adverse impacts on carbon sinks, as well as emissions from stationary combustion, mobile equipment, flaring, emissions from marine shipping (e.g., LNG carriers and tugboats between the marine terminal and Triple Island) and indirect emissions from acquired energy.</li> </ul>	<p>Section 8.6.1 Assessment Methods, Page 8-6; line 23 to Page 8-8; line 38</p> <p>Section 8.6.2 Assessment of Greenhouse Gas Emissions, Page 8-9; line 1 to Page 8-21; line 8</p>
<p>Section 8.0 Greenhouse Gas Emissions</p> <p>Page 132</p>	<p>In terms of quantification of GHG emissions from the Project, the assessment will address the following:</p> <ul style="list-style-type: none"> <li>Update the estimate of annual GHG emissions (calculated as net GHG emissions) previously provided in the Project Description (Cedar 2019), by project phase, based on the Project’s maximum throughput or capacity.</li> </ul>	<p>Section 8.6.2 Assessment of Greenhouse Gas Emissions, Page 8-9; line 1 to Page 8-21; line 8; Table 8.6.3, Table 8.6.4, Table 8.6.7, Table 8.6.8</p>
<p>Section 8.0 Greenhouse Gas Emissions</p> <p>Page 132</p>	<p>In terms of quantification of GHG emissions from the Project, the assessment will address the following:</p> <ul style="list-style-type: none"> <li>Provide each term of Equation 1 (direct GHG emissions, acquired energy GHG emissions, CO2 captured and stored, avoided domestic GHG emissions and offset credits, if applicable) per year for each phase of the project (Section 3.1.1 of the Strategic Assessment of Climate Change [ECCC 2020]).</li> </ul>	<p>Section 8.6.2 Assessment of Greenhouse Gas Emissions, Page 8-9; line 1 to Page 8-21; line 8</p> <p>Section 8.6.2.2 Construction, Page 8-12; line 1 to Page 8-16; line 1; Table 8.6.3; Table 8.6.4</p> <p>Section 8.6.2.3 Operation, Page 8-16; line 1 to Page 8-21; line 8; Table 8.6.7, Table 8.6.8</p>
<p>Section 8.0 Greenhouse Gas Emissions</p> <p>Page 132</p>	<p>In terms of quantification of GHG emissions from the Project, the assessment will address the following:</p> <ul style="list-style-type: none"> <li>Provide methodology, data, emission factors and assumptions used to quantify the net GHG emissions.</li> </ul>	<p>Section 8.6.1 Assessment Methods, Page 8-6; line 12 to page 8-8; line 38</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 8.0 Greenhouse Gas Emissions Page 132	<p>In terms of quantification of GHG emissions from the Project, the assessment will address the following:</p> <ul style="list-style-type: none"> <li>Provide emission intensity (Equation 2 as per Section 3.1.2 of the Strategic Assessment of Climate Change [ECCC 2020]) for each year of the operation phase of the project.</li> </ul>	Section 8.6.2.3 Operation, Page 8-19; line 4 to Page 8-19; line 8
Section 8.0 Greenhouse Gas Emissions Page 132	<p>In terms of quantification of GHG emissions from the Project, the assessment will address the following:</p> <ul style="list-style-type: none"> <li>Provide the quantity and a description of the “units produced” (in tonnes of LNG) used in Equation 2 for each year of the operation phase of the project.</li> </ul>	Section 8.6.2.3 Operation, Page 8-19; line 4 to Page 8-19; line 8
Section 8.0 Greenhouse Gas Emissions Page 132	<p>In terms of quantification of GHG emissions from the Project, the assessment will address the following:</p> <ul style="list-style-type: none"> <li>Provide an assessment of upstream GHG emissions.</li> </ul>	<p>Section 8.6.1.3 Upstream Emissions, Page 8-8; line 36 to Page 8-8; line 38</p> <p>Section 8.6.3 Upstream Emissions, Page 8-21; line 9 to Page 8-21; line 12</p> <p>Appendix 8B Strategic Assessment of Climate Change Technical Report; section 3.0</p>
Section 8.0 Greenhouse Gas Emissions Page 132	<p>In terms of quantification of GHG emissions from the Project, the assessment will address the following:</p> <ul style="list-style-type: none"> <li>Describe large sources of GHG emissions that may be the consequence of accidents or malfunctions. This requirement will be addressed in the Malfunctions and Accidents section (Section 9.0).</li> </ul>	Section 9.3 Loss of Containment of LNG from the FLNG Facility, Page 9-7; line 2 to Page 9-8; line 37
Section 8.0 Greenhouse Gas Emissions Page 132	<p>In terms of quantification of GHG emissions from the Project, the assessment will address the following:</p> <ul style="list-style-type: none"> <li>Provide a qualitative description of uncertainty associated with the GHG emissions estimates, including uncertainty related to data as well as uncertainty related to methods and models.</li> </ul>	Section 8.7 Prediction of Confidence, Page 8-21; line 13 to Page 8-21; line 24



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 8.0 Greenhouse Gas Emissions Page 132	Information required to address Environment and Climate Change Canada's (ECCC) Strategic Assessment of Climate Change (2020) will also be provided as an appendix to the Application.	Section 8.1 Relevant, Statues, Policies and Framework, Page 8-1; line 6 to Page 8-2; line 1 Section 8.5 Project Interactions on Greenhouse Gas, Page 8-6; line 1 to Page 8-6; line 11 Section 8.6.2.2 Construction, Page 8-12; line 1 to Page 8-16; line 1 Section 8.6.2.3 Operation, Page 8-16; line 1 to Page 8-21; line 8 Appendix 8B Strategic Assessment of Climate Change Technical Report
Section 9.0 Malfunctions and Accidents Page 133	The Application will provide a risk-based approach for the assessment of malfunctions and accidents during all phases of the Project.	Section 9.2.1 Approach, Page 9-3; lines 24 to Page 9-4, line 15
Section 9.0 Malfunctions and Accidents Page 133	The assessment approach will evaluate malfunctions and accidents risk (including scenarios) by examining the likelihood of an incident and the consequences of the incident to each relevant VC, and Indigenous Interests.	Section 9.2.2 Risk Scoring System, Page 9-4; line 16 to Page 9-5; line 5; Table 9.2.1 to 9.2.3 Section 9.2.3 Interaction with Valued Components Including Residual Effects, Page 9-6; line 1 to 7; Table 9.2.4
Section 9.0 Malfunctions and Accidents Page 133	The results of the risk-based assessment will be used to develop plans to reduce or eliminate the likelihood of an incident (i.e., prevent an accident or malfunction) or reduce the consequence of incidents.	Section 9.1 Introduction, Page 9-1; line 2 to Page 9-2; line 39 Section 9.3.2 Project Mitigation, Page 9-8; line 26 to Page 9-9; line 35 Section 9.4.2 Project Mitigation, Page 9-14; line 17 to page 9-16; line 16 Section 9.5.2 Project Mitigation, Page 9-21; line 1 to 25 Section 9.6.2 Project Mitigation, Page 9-25; line 24 to Page 9-26; line 15 Section 9.7.2 Project Mitigation, Page 9-31; line 9 to 38 Section 9.8.2 Project Mitigation, Page 9-35; line 26 to Page 9-36; line 13



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 9.0 Malfunctions and Accidents Page 133	The Application will: <ul style="list-style-type: none"> <li>• Describe potential events that may occur in all phases of the Project, including:                             <ul style="list-style-type: none"> <li>○ An explanation of how those potential events were identified.</li> <li>○ The circumstances under which the events could occur.</li> <li>○ A summary of design standards and/or mitigation measures that are assumed to apply to the Project and potential incidents and would be considered in the risk ratings.</li> </ul> </li> </ul>	Section 9.2 Methods, Page 9-3; line 1 to Page 9-5; line 5; Table 9.2.1 to 9.2.3 Section 9.3.1 Description, Page 9-7; line 6 to Page 9-8; line 25 Section 9.4.1 Description, Page 9-13; line 1 to Page 9-14; line 16 Section 9.5.1 Description, Page 9-20; line 8 to 38 Section 9.6.1 Description, Page 9-23; line 13 to Page 9-25; line 23 Section 9.7.1 Description, Page 9-29; line 17 to Page 9-31; line 8 Section 9.8.1 Description, Page 9-34; line 16 to page 9-35; line 25
Section 9.0 Malfunctions and Accidents Page 133	The Application will: <ul style="list-style-type: none"> <li>• Describe the methods for assessing the potential risk of each incident, including definitions for classifications of likelihood, consequence and risk, and identification of threshold for incidents that will be carried forward for detailed analysis (e.g., incidents determined to be moderate or high-risk)</li> </ul>	Section 9.2 Methods, Page 9-2; line 1 to page 9-5; line 5; Table 9.2.1 to 9.2.3
Section 9.0 Malfunctions and Accidents Page 133	The Application will: <ul style="list-style-type: none"> <li>• Provide an assessment of the likelihood of each incident occurring, based on, for example, historical trends or predictive models.</li> </ul>	Section 9.3.1 Description, Page 9-7; line 6 to Page 9-8; line 25 Section 9.3.3 Interaction with Valued Components, Page 9-10; line 1 to Page 9-12; line 1; Table 9.3.1 Section 9.4.3 Interaction with Valued Components, Page 9-16; line 17 to Page 9-19; line 24; Table 9.4.1 Section 9.5.3 Interaction with Valued Components, Page 9-21; line 26 to page 9-23; line 1; Table 9.5.1 Section 9.6.1 Description, Page 9-23; line 13 to page 9-25; line 23



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 9.0 Malfunctions and Accidents Page 133 (cont'd)	(see above)	(cont'd from above) Section 9.6.3 Interaction with Valued Components, Page 9-26; line 16 to page 9-28; line 28; Table 9.6.1 Section 9.7.1 Description, Page 9-29; line 17 to Page 9-31; line 8 Section 9.7.3 Interaction with Valued Components, Page 9-32; line 1 to page 9-34; line 1; Table 9.7.1 Section 9.8.1 Description, Page 9-34; line 16 to Page 9-35; Line 25 Section 9.8.3 Interaction with Valued Components, Page 9-36; line 14 to 20; Table 9.8.1 Section 9.8.4 Conclusions, Page 9-37; line 1 to 7
Section 9.0 Malfunctions and Accidents Page 133	The Application will: <ul style="list-style-type: none"> <li>Provide a high-level assessment of the consequence of each incident (considering potential environmental, economic, social, cultural and health effects and effects to Indigenous Interests).</li> </ul>	Section 9.3.3 Interaction with Valued Components, Page 9-10; line 1 to Page 9-12; line 1; Table 9.3.1 Section 9.4.3 Interaction with Valued Components, Page 9-16; line 17 to Page 9-19; line 24; Table 9.4.1 Section 9.5.3 Interaction with Valued Components, Page 9-21; line 26 to Page 9-23; line 1; Table 9.5.1 Section 9.6.3 Interaction with Valued Components, Page 9-26; line 16 to Page 9-28; line 28; Table 9.6.1 Section 9.7.3 Interaction with Valued Components, Page 9-32; line 1 to Page 9-34; line 1; Table 9.7.1 Section 9.8.3 Interaction with Valued Components, Page 9-36; line 14 to 20; Table 9.8.1



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 9.0 Malfunctions and Accidents Page 133	The Application will: <ul style="list-style-type: none"> <li>• Provide a classification of the risk of each incident based on its likelihood and consequence.</li> </ul>	Section 9.3.3 Interaction with Valued Components, Page 9-10; line 1 to Page 9-12; line 1; Table 9.3.1  Section 9.4.3 Interaction with Valued Components, Page 9-16; line 17 to Page 9-19; line 24; Table 9.4.1  Section 9.5.3 Interaction with Valued Components, Page 9-21; line 26 to page 9-23; line 1; Table 9.5.1  Section 9.6.3 Interaction with Valued Components, Page 9-26; line 16 to page 9-28; line 28; Table 9.6.1  Section 9.7.3 Interaction with Valued Components, Page 9-32; line 1 to Page 9-34; line 1; Table 9.7.1  Section 9.8.3 Interaction with Valued Components; Page 9-36; line 14 to 20; Table 9.8.1
Section 9.0 Malfunctions and Accidents Page 133	The Application will: <ul style="list-style-type: none"> <li>• Identify the incidents that will be carried forward for further assessment based on the criteria identified in the methods.</li> </ul>	Section 9.2.3 Interaction with Valued Components Including Residual Effects, Page 9-6; lines 1 to 7; Table 9.2.4
Section 9.0 Malfunctions and Accidents Pages 133-134	The Application will: <ul style="list-style-type: none"> <li>• Provide information on proposed mitigation measures to reduce the likelihood and consequence to VCs and Indigenous Interests for incidents carried forward including:                             <ul style="list-style-type: none"> <li>○ Emergency response organizations that may be involved in an incident</li> <li>○ Safety protocols and mitigation measures to reduce the likelihood of incidents</li> <li>○ Contingency and emergency response procedures if such events do occur</li> </ul> </li> </ul>	Section 9.3.2 Project Mitigation, Page 9-8; line 26 to Page 9-9; line 35  Section 9.4.2 Project Mitigation, Page 9-14; line 17 to Page 9-16; line 16  Section 9.5.2 Project Mitigation, Page 9-21; line 1 to 25  Section 9.6.2 Project Mitigation, Page 9-25; line 24 to Page 9-26; line 15  Section 9.7.2 Project Mitigation, Page 9-31; line 9 to 38  Section 9.8.2 Project Mitigation, Page 9-35; line 26 to Page 9-36; line 13



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 9.0 Malfunctions and Accidents Pages 133-134 (cont'd)	(cont'd from above) <ul style="list-style-type: none"> <li>○ Monitoring, evaluation, and/or adaptive management systems to identify, proactively avoid, and rectify the malfunction and/or accident.</li> <li>○ Likelihood of mitigation being successful and the time lag for mitigation to become effective.</li> </ul>	(see above)
Section 9.0 Malfunctions and Accidents Page 134	The Application will: <ul style="list-style-type: none"> <li>● Provide detailed information on the potential effects of each incident carried forward including:                             <ul style="list-style-type: none"> <li>○ Most likely and worst-case scenarios of the effects of incidents on VCs and Indigenous interests within spatial boundaries described for the scenario.</li> <li>○ Information from historical incidents from similar operation and conditions, where applicable.</li> <li>○ If applicable, the quantity and characteristics of the contaminants and other materials likely to be released into the environment from an incident.</li> <li>○ Cumulative effects assessment for those events most likely to occur</li> </ul> </li> </ul>	Section 9.3 Loss of Containment of LNG from the FLNG Facility, Page 9-7; line 1 to Page 9-12; line 7; Table 9.3.1 Section 9.4 Spills of Hazardous Materials, Page 9-12; line 8 to Page 9-20; line 6; Table 9.4.1 Section 9.5 Emergency FLNG Shutdown, Page 9-20; line 7 to Page 9-23; line 6; Table 9.5.1 Section 9.6 Fires or Explosions, Page 9-23; line 7 to page 9-29; line 6; Table 9.6.1 Section 9.7 LNG Carrier Grounding, Collisions and Allisions, Page 9-29; line 7 to Page 9-34; line 10; Table 9.7.1 Section 9.8 FLNG Allision, Page 9-34; line 11 to Page 9-37; line 7; Table 9.8.1 Section 9.9 Cumulative Effects, Page 9-37; line 8 to Page 9-38; line 16
Section 9.0 Malfunctions and Accidents Page 134	The Application will: <ul style="list-style-type: none"> <li>● Provide conclusions on the potential risks of the incidents carried forward</li> </ul>	Section 9.3.4 Conclusions, Page 9-12, line 2 to 7 Section 9.4.4 Conclusions, Page 9-20; line 1 to 6 Section 9.5.4 Conclusions, Page 9-23; line 2 to 6 Section 9.6.4 Conclusions, Page 9-29; line 1 to 6 Section 9.7.4 Conclusions, Page 9-34; line 2 to 10 Section 9.8.4 Conclusions, Page 9-37; line 1 to 7



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 9.0 Malfunctions and Accidents Page 133</p>	<p>The specific malfunctions or accidents to be considered in the Application are as follows:</p> <ul style="list-style-type: none"> <li>• Spills of hazardous materials (not including LNG)</li> <li>• Loss of containment of LNG from the FLNG facility</li> <li>• Emergency LNG production unit shutdown (including emergency flaring)</li> <li>• Fires or explosions</li> <li>• Marine vessel grounding, collisions and allisions</li> <li>• FLNG allisions</li> </ul>	<p>Section 9.2 Methods, Page 9-3; line 1 to Page 9-5; line 5; Table 9.2.1 to 9.2.3</p>
<p>Section 9.0 Malfunctions and Accidents Page 133</p>	<p>Consideration of potential malfunctions and accidents will also include specific reference to effects as they are identified in Section 7 of the IAA.</p>	<p>Section 9.3, Loss of Containment of LNG from the FLNG Facility to Section 9.9, Cumulative Effects, Page 9-7; line 1 to Page 9-38; line 16</p> <p>Section 20.0 Summary of Statutory Requirements under the Federal <i>Impact Assessment Act</i>; Table 20.1.2</p>
<p>Section 10.0 Effects of the Environment on the Project Page 135</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>• Describe the environmental factors deemed to have possible consequences on the Project over its operation lifetime, specifically: <ul style="list-style-type: none"> <li>○ Climate change</li> <li>○ Extreme weather (i.e., temperature, precipitation, flooding, wind, and waves)</li> <li>○ Seismic events and tsunamis</li> <li>○ Geohazards (i.e., slope failure and underwater slope failure)</li> <li>○ Forest fires</li> </ul> </li> </ul>	<p>Section 10.2.1 Inclusions and Scope of Assessment, Page 10-1; line 27 to Page 10-2; line 8</p> <p>Section 10.3.1 Description, Page 10-4; line 9 to Page 10-5; line 6</p> <p>Section 10.4.1 Description, Page 10-6; line 25 to Page 10-7; line 41</p> <p>Section 10.5.1 Description, Page 10-10; line 2 to Page 10-11; line 7</p> <p>Section 10.6.1 Description, Page 10-12; line 11 to Page 10-13; line 10</p> <p>Section 10.7 Forest Fires, Page 10-14; line 20 to Page 10-15; line 12</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 10.0 Effects of the Environment on the Project Page 135	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe how climate change may affect the Project and how the Project is resilient to and at risk from both current and future impacts of changing climate.</li> </ul>	Section 10.3 Climate Change, Page 10-4; line 1 to Page 10-6; line 21
Section 10.0 Effects of the Environment on the Project Page 135	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe any changes or effects on the Project that may be caused by the above-mentioned environmental factors.</li> </ul>	<p>Section 10.3.1 Description, Page 10-4; line 9 to Page 10-5; line 6            Section 10.4.1 Description, Page 10-6; line 25 to Page 10-7; line 41            Section 10.5.1 Description, Page 10-10; line 2 to Page 10-11; line 7            Section 10.6.1 Description, Page 10-12; line 11 to Page 10-13; line 10            Section 10.7 Forest Fires, Page 10-14; line 20 to Page 10-15; line 12</p>
Section 10.0 Effects of the Environment on the Project Page 135	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Provide the likelihood (based on future climate change projections) and consequence of the changes or effects to the Project.</li> </ul>	<p>Section 10.3.3 Risk, Page 10-6; line 3 to 14            Section 10.4.3 Risk, Page 10-9; line 1 to 23            Section 10.5.3 Risk, Page 10-11; line 25 to 32            Section 10.6.3 Risk, Page 10-14; line 1 to 12            Section 10.7.2 Risk, Page 10-15; line 21 to 27</p>
Section 10.0 Effects of the Environment on the Project Page 135	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Provide practical mitigation measures, including design strategies, environmental contingency plans, and climate risk plans to avoid or minimize the likelihood and consequence of the adverse effects of the environment on the Project.</li> </ul>	<p>Section 10.3.2 Project Mitigation, Page 10-5; line 7 to Page 10-6; line 2            Section 10.4.2 Project Mitigation, Page 10-8; line 1 to 35            Section 10.5.2 Project Mitigation, Page 10-11; line 8 to 24            Section 10.6.2 Project Mitigation, Page 10-13; line 11 to 33            Section 10.7.1 Project Mitigation, Page 10-15; line 13 to 20</p>
Section 10.0 Effects of the Environment on the Project Page 135	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Provide a conclusion about the potential risk of an effect of the environment on the Project.</li> </ul>	<p>Section 10.3.3 Risk, Page 10-6; line 3 to 14            Section 10.4.3 Risk, Page 10-9; line 1 to 23            Section 10.5.3 Risk, Page 10-11; line 25 to 32            Section 10.6.3 Risk, Page 10-14; line 1 to 12            Section 10.7.2 Risk, Page 10-15; line 21 to 27</p>

AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 10.0 Effects of the Environment on the Project Page 135	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe how climate change has been incorporated into the project design (e.g., disaster management, stormwater management systems, water requirements) and planning over the lifetime of the project and a description of the climate data and projections used.</li> </ul>	Section 10.3.2 Project Mitigation, Page 10-5; line 7 to Page 10-6; line 2
Section 10.0 Effects of the Environment on the Project Page 135	The information provided in this section will align with the requirements of ECCC's Strategic Assessment of Climate Change (2020).	Section 10.3.2 Project Mitigation, Page 10-5; line 7 to Page 10-6; line 2 Appendix 8B Strategic Assessment of Climate Change Technical Report
Section 11.0 Haisla Nation Page 136	The Application will include an assessment of the effects of the Project on Haisla Nation Interests as described in Section 6.0 or following other assessment methods developed in consultation with Haisla Nation.	Sections 11.5 Assessing Effects on Haisla Nation Interests, Page 11-16; line 15 to Page 11-101; line 15 Section 11.6 Assessing Positive Effects, Page 11-101; lines 16 to 23
Section 11.0 Haisla Nation Page 136	The assessment in the Application will be informed by engagement with Haisla Nation.	Section 11.3 Haisla Nation Summary of Engagement, Page 11-14; line 18 to Page 11-15; line 22
Section 11.0 Haisla Nation Page 136	The approach to the assessment will consider incorporation of Nation-specific VCs, if provided by Haisla Nation.	Section 11.3.1 Key Areas of Concern, Page 11-15; line 23 to Page 11-16; line 5 Section 11.5.2 Preliminary List of Potential Effects, Page 11-19; lines 1 to 9 Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 11-26; line 11 to 26; Table 11.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haisla Nation Interests, Page 11-27 Section 11.8 Summary, Page 11-102; lines 1 to 12
Section 11.0 Haisla Nation Page 136	Each Indigenous interest will be assessed under its own section, unless analysis and supporting information is similar, in which case two or more may be combined in the same subsection.	Section 11.5.6 Assessing Adverse Effects, Page 11-37; line 1 to Page 11-101; line 15



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 11.1 Overview and Context Page 136</p>	<p>The Application will include background information on each Indigenous Nation including ethnography, language, governance, economy, population, communities, Reserves, Indigenous land use plans (with reference to Section 2.3 as applicable), health and social conditions and other contextual information the Nation provides to Cedar and identifies as important to understanding the impacts of the Project on their Nation.</p>	<p>Section 11.1 Overview and Context, Page 11-1; line 23 to Page 11-10; line 20; Table 11.1.1 Haisla Nation Reserves, Page 11-10 to Page 11-11  Section 11.2 Existing Conditions, Page 11-12; line 1 to Page 11-14; line 17</p>
<p>Section 11.1 Overview and Context Page 137</p>	<p>The assessment for each Indigenous Nation will include an overview of the understanding of Indigenous Interests in the area that could be affected by the Project.</p>	<p>Section 11.1 Overview and Context, Page 11-1; line 23 to Page 11-10; line 20; Table 11.1.1 Haisla Nation Reserves, Page 11-10 to Page 11-11  Section 11.2 Existing Conditions, Page 11-12; line 1 to Page 11-14; line 17  Section 11.5.2 Preliminary List of Potential Effects, Page 11-19; lines 1 to 9  Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 11-26; line 11 to 26; Table 11.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haisla Nation Interests, Page 11-27  Section 11.8 Summary, Page 11-102; lines 1 to 12</p>
<p>Section 11.1 Overview and Context Page 137</p>	<p>Indigenous Interests will include impacts to Aboriginal or treaty rights recognized and affirmed by section 35 of the <i>Constitution Act</i>, 1982 as well as any other Interests identified by the Nation.</p>	<p>Section 11.1 Overview and Context, Page 11-1; line 23 to Page 11-10; line 20; Table 11.1.1 Haisla Nation Reserves, Page 11-10 to Page 11-11  Section 11.2 Existing Conditions, Page 11-12; line 1 to Page 11-14; line 17  Section 11.5.2 Preliminary List of Potential Effects, Page 11-19; lines 1 to 9  Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters; Table 11.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haisla Nation Interests.  Section 11.8 Summary, Page 11-102; lines 1 to 12</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 11.1 Overview and Context Page 137</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ How Indigenous laws, governance or customs apply to this area, including how those processes may have evolved over time, and how they should be used to review the potential impacts of the Project on Indigenous Interests.</li> </ul> </li> </ul>	<p>Section 11.1.2 Ethnography, Page 11-3; lines 1 to 21 Section 11.1.5 Governance, Page 11-5; line 23 to Page 11-6; line 4</p>
<p>Section 11.1 Overview and Context Page 137</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ Indigenous laws, customs, or requirements for the area including any existing Indigenous land use plans.</li> </ul> </li> </ul>	<p>Section 2.3 Land and Marine Use Plans, Page 2-8; line 22 to Page 2-11; line 4 Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-12; line 27 Section 11.1.2 Ethnography, Page 11-3; lines 1 to 21 Section 11.1.4 Planning Initiatives and Land Use Plans, Page 11-4; line 8 to Page 11-5; line 22 Section 11.1.5 Governance, Page 11-5; line 23 to Page 11-6; line 4</p>
<p>Section 11.1 Overview and Context Page 137</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ Agreements with other Nations regarding governance of areas of territory overlap, as relevant to the Project.</li> </ul> </li> </ul>	<p>Section 2.4 Indigenous Nation Arrangements; Page 2-11; line 5 to Page 2-13; line 26; Table 2.4.1 Section 11.1.4 Planning Initiatives and Land Use Plans, Page 11-4; line 8 to Page 11-5; line 22 Section 11.1.5 Governance, Page 11-5; line 23 to Page 11-6; line 4</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 11.1 Overview and Context</p> <p>Page 137</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>A list of the Indigenous Interests that may be impacted by the Project.</li> </ul>	<p>Section 11.5.2 Preliminary List of Potential Effects, Page 11-19; lines 1 to 9</p> <p>Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 11-26; line 11 to 26; Table 11.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haisla Nation Interests, Page 11-27</p> <p>Section 11.8 Summary, Page 11-102; lines 1 to 12</p>
<p>Section 11.1 Overview and Context</p> <p>Page 137</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>A summary of historic and current use of the area in the vicinity of the Project by Indigenous people over time including consideration of cumulative effects, and practices in the vicinity of the Project with regard to the Indigenous Interests. This summary will include any site-specific use values present in the vicinity of the Project, which are areas identified and/or mapped by Indigenous Nations as having environmental, cultural, spiritual, transportation, subsistence and habitation value.</li> </ul>	<p>Section 11.1 Overview and Context, Page 11-1; line 23 to Page 11-10; line 20; Table 11.1.1 Haisla Nation Reserves, Page 11-10 to Page 11-11</p> <p>Section 11.2 Existing Conditions, Page 11-12; line 1 to Page 11-14; line 17</p>
<p>Section 11.2 Existing Conditions</p> <p>Page 137</p>	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>Describe historic and current use of the area in the vicinity of the Project by Indigenous people over time including consideration of cumulative effects.</li> </ul>	<p>Section 11.1 Overview and Context, Page 11-1; line 23 to Page 11-10; line 20; Table 11.1.1 Haisla Nation Reserves, Page 11-10 to Page 11-11</p> <p>Section 11.2 Existing Conditions, Page 11-12; line 1 to Page 11-14; line 17</p>
<p>Section 11.2 Existing Conditions</p> <p>Page 137</p>	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>Describe practices in the vicinity of the Project with regard to Indigenous Interests (including reference to specific sites and species of Interests, where applicable).</li> </ul>	<p>Section 11.1 Overview and Context, Page 11-1; line 23 to Page 11-10; line 20; Table 11.1.1 Haisla Nation Reserves, Page 11-10 to Page 11-11</p> <p>Section 11.2 Existing Conditions, Page 11-12; line 1 to Page 11-14; line 17</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 11.2 Existing Conditions Page 137</p>	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>• Describe the relative importance of the Project Area, transmission line corridor and surroundings, including any special characteristics or unique features, to Indigenous Interests.</li> </ul>	<p>Section 1.3.1 Infrastructure and Shipping Route, Page 1-5; line 4 to Page 1-6; line 8 Section 1.3.3 Indigenous Territories, Page 1-9; lines 15 to 27 Section 11.1 Overview and Context, Page 11-1; line 23 to Page 11-10; line 20; Table 11.1.1 Haisla Nation Reserves, Page 11-10 to Page 11-11 Section 11.1.1 Haisla Nation Traditional Territory, Page 11-2; lines 1 to 34 Section 11.2 Existing Conditions, Page 11-12; line 1 to Page 11-14; line 1 Section 11.5.6 Assessing Adverse Effects, Page 11-37; line 1 to Page 11-101; line 15</p>
<p>Section 11.3 Summary of Engagement Page 138</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Engagement activities undertaken with the Nation including the timeframe, means, and results of engagement.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 11.3 Haisla Nation Summary of Engagement, Page 11-14; line 18 to Page 11-15; line 22 Section 11.7 Haisla Nation Views, Page 11-101; lines 24 to 36 Section 11.8 Summary, Page 11-102; lines 1 to 12 Section 11.8.2 Follow-up Strategy, Page 11-102; lines 22 to 31</p>
<p>Section 11.3 Summary of Engagement Page 138</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Efforts to engage diverse populations of the Nation community in culturally appropriate ways, including Indigenous local group/subgroup (e.g., clan, family) areas within the broader traditional territory, and groups identified by gender, age, or other community relevant factors.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 11.3 Haisla Nation Summary of Engagement; Pages 11-13 to 11-14. Section 11.8.2 Follow-up Strategy, Page 11-102; lines 22 to 31</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 11.3 Summary of Engagement Page 138</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ How engagement activities conducted by Cedar support the Nation to understand the Project and its effects on the Nation and its Interests.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 11.3 Haisla Nation Summary of Engagement, Page 11-14; line 18 to Page 11-15; line 22 Section 11.8.2 Follow-up Strategy, Page 11-102; lines 22 to 31</p>
<p>Section 11.3 Summary of Engagement Page 138</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ The Nation's views on Cedar's consultation approach and resolution of issues raised when provided.</li> </ul> </li> </ul>	<p>Section 11.3 Haisla Nation Summary of Engagement, Page 11-14; line 18 to Page 11-15; line 22 Section 11.7 Haisla Nation Views, Page 11-101; lines 24 to 36</p>
<p>Section 11.3 Summary of Engagement Page 138</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ A description of how Cedar responded to questions, comments and issues raised by the Nation, the Nation's perspective on the resolution of issues, how unresolved input has been addressed in the Application, and/or how unresolved input will be addressed through the assessment.</li> </ul> </li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 11.3 Haisla Nation Summary of Engagement, Page 11-14; line 18 to Page 11-15; line 22 Section 11.8 Summary, Page 11-102; lines 1 to 12</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 11.3 Summary of Engagement Page 138</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation’s perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Development and collection of baseline information</li> </ul> </li> </ul> </li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 11.1 Overview and Context, Page 11-1; line 23 to Page 11-10; line 20; Table 11.1.1 Haisla Nation Reserves, Page 11-10 to Page 11-11</p> <p>Section 11.2 Existing Conditions, Page 11-12; line 1 to Page 11-14; line 17</p> <p>Section 11.3 Haisla Nation Summary of Engagement, Page 11-14; line 18 to Page 11-15; line 22</p> <p>Section 11.3.1 Key Areas of Concern, Page 11-15; line 23 to Page 11-16; line 5</p> <p>Section 11.5.1 Scope of the Assessment, Page 11-16; line 18 to Page 11-17; line 4</p>
<p>Section 11.3 Summary of Engagement Page 138</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation’s perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Plans for construction, operation, or decommissioning</li> </ul> </li> </ul> </li> </ul>	<p>Section 1.1 Project Context, Page 1-1; line 5 to Page 1-2; line 29</p> <p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 11.3 Haisla Nation Summary of Engagement, Page 11-14; line 18 to Page 11-15; line 22</p> <p>Section 11.3.1 Key Areas of Concern, Page 11-15; line 23 to Page 11-16; line 5</p> <p>Section 11.8.2 Follow-up Strategy, Page 11-102; line 22 to 31</p>
<p>Section 11.3 Summary of Engagement Page 138</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation’s perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Identification of VCs</li> </ul> </li> </ul> </li> </ul>	<p>Section 11.3.1 Key Areas of Concern, Page 11-15; line 23 to Page 11-16; line 5</p> <p>Section 11.5.1 Scope of the Assessment, Page 11-16; line 18 to Page 11-17; line 4</p> <p>Section 11.5.2 Preliminary List of Potential Effects, Page 11-19; lines 1 to 9</p> <p>Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 11-26; line 11 to 26; Table 11.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haisla Nation Interests, Page 11-27</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 11.3 Summary of Engagement Page 138</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>Information regarding any arrangement or agreement between Cedar and the Nation for collaboration on the development of the Application or delivery of the Project, subject to confidentiality terms. This includes agreements related to the delivery of studies, capacity funding agreements and agreements regarding the use of Indigenous knowledge.</li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 11.3 Haisla Nation Summary of Engagement, Page 11-14; line 18 to Page 11-15; line 22</p>
<p>Section 11.4 Information Sources Page 139</p>	<p>The sources of information used in preparing the assessment of effects on the Indigenous Nation will be clearly identified, noting where information represents the views of the Nation, Cedar or otherwise.</p>	<p>Section 11.4 Information Sources, Page 11-16; lines 6 to 14</p>
<p>Section 11.4 Information Sources Page 139</p>	<p>Information sources that include Indigenous knowledge will be clearly labeled as such.</p>	<p>Section 11.4 Information Sources, Page 11-16; lines 6 to 14</p>
<p>Section 11.4 Information Sources Page 139</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>An outline of the steps taken by Cedar to work with the Indigenous Nation to incorporate Indigenous knowledge including a summary of any agreement with the Nation regarding the use, application and interpretation of Indigenous knowledge (e.g., Memorandum of Understanding).</li> </ul>	<p>Section 11.3 Haisla Nation Summary of Engagement, Page 11-14; line 18 to Page 11-15; line 22 Section 11.4 Information Sources, Page 11-16; lines 6 to 14</p>
<p>Section 11.4 Information Sources Page 139</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>Identification of how and when Indigenous Nation were provided the opportunity to confirm that the information sources were appropriate for public disclosure.</li> </ul>	<p>Section 11.3 Haisla Nation Summary of Engagement, Page 11-14; line 18 to Page 11-15; line 22 Section 11.4 Information Sources, Page 11-16; lines 6 to 14</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 11.4 Information Sources Page 139</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>A description of how Indigenous knowledge informed the Project design, the assessment, proposed mitigation measures or any other aspect of the assessment.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 6.5 Existing Conditions, Page 6-9; line 25 to Page 6-11; line 26 Section 11.4 Information Sources, Page 11-16; lines 6 to 14 Sections 11.5 Assessing Effects on Haisla Nation Interests, Page 11-16; line 15 to Page 11-101; line 15</p>
<p>Section 11.4 Information Sources Page 139</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>If applicable, a plan for future cooperation between Cedar and the Nation to further consider Indigenous knowledge in project implementation, for example monitoring and management plans.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 11.4 Information Sources, Page 11-16; lines 6 to 14 Section 11.8.2 Follow-up Strategy, Page 11-102; lines 22 to 31</p>
<p>Section 11.5.1 Scope of the Assessment Page 139</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Identify the potential effects of the proposed Project on Indigenous Interests that will be assessed.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 11.5.2 Preliminary List of Potential Effects, Page 11-19; lines 1 to 9 Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 11-26; line 11 to 26; Table 11.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haisla Nation Interests, Page 11-27 Section 11.8 Summary, Page 11-102; lines 1 to 12</p>
<p>Section 11.5.1 Scope of the Assessment Page 139</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe how the Indigenous interest was identified, through engagement with the Indigenous Nation or otherwise.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; line 1 to 39</p>
<p>Section 11.5.1 Scope of the Assessment Page 139</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Summarize the VCs used in the assessment of effects on the Indigenous interest and whether they were carried forward from Section 6.1 <b>Error! Reference source not found.</b> or developed specifically for the assessment of the Indigenous interest.</li> </ul>	<p>Section 11.1 Overview and Context, Page 11-1; line 23 to Page 11-10; line 20; Table 11.1.1 Haisla Nation Reserves, Page 11-10 to Page 11-11</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 11.5.1 Scope of the Assessment Page 139	The Application will: <ul style="list-style-type: none"> <li>Describe linkages with other Indigenous Interests</li> </ul>	Section 11.3 Haisla Nation Summary of Engagement, Page 11-14; line 18 to Page 11-15; line 22
Section 11.5.2 Assessment Boundaries Page 140	The Application will define the assessment boundaries for assessing the effects on the Indigenous Interest, including spatial and temporal boundaries, with reference to the spatial and temporal boundaries used for the VC assessments in Section 7.0, as applicable.	Section 11.5.3 Assessment Boundaries, Page 11-19; line 10 to Page 11-24; line 29
Section 11.5.2 Assessment Boundaries Page 140	Where relevant, administrative and technical boundaries will also be identified.	Section 11.5.3.3 Administrative and Technical Boundaries, Page 11-24; line 13 to Page 11-25; line 37
Section 11.5.3 Effects Assessment Page 140	The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include: <ul style="list-style-type: none"> <li>Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>Biophysical (e.g., effects to wildlife and habitat)</li> </ul> </li> </ul>	Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 11-26; line 11 to 26; Table 11.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haisla Nation Interests, Page 11-27  Section 11.5.6.1 Changes in Consumption and Harvest – Project Pathways, Page 11-39; line 41 to Page 11-40; line 6  Section 11.8 Summary, Page 11-102; lines 1 to 12
Section 11.5.3 Effects Assessment Page 140	The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include: <ul style="list-style-type: none"> <li>Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>Related to the ability to use and access Crown lands and waters</li> </ul> </li> </ul>	Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 11-26; line 11 to 26; Table 11.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haisla Nation Interests, Page 11-27  Section 11.5.6.3 Changes that Affect Aspects of Haisla Nation Governance – Project Pathways, Page 11-68; lines 1 to 24  Section 11.5.6.4 Changes to Aboriginal Title and Rights, Page 11-78; lines 28 to 43  Section 11.8 Summary, Page 11-102; lines 1 to 12

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 11.5.3 Effects Assessment Page 140</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>○ Cultural/experiential (e.g., presence of industrial activity disrupts peaceful enjoyment)</li> </ul> </li> </ul>	<p>Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 11-26; line 11 to 26; Table 11.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haisla Nation Interests, Page 11-27</p> <p>Section 11.5.6.1 Changes in Consumption and Harvest – Project Pathways, Page 11-39; line 41 to Page 11-40; line 6</p> <p>Section 11.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features – Project Pathways, Page 11-54; line 18 to Page 11-55; line 9</p> <p>Section 11.8 Summary, Page 11-102; lines 1 to 12</p>
<p>Section 11.5.3 Effects Assessment Page 140</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Identification of effects to be carried forward from pathways determined to be consequential or requiring mitigation.</li> </ul>	<p>Section 11.5.4.2 Project Interactions, Page 11-28; lines 1 to 19; Table 11.5.3 Potential Project Interactions with Haisla Nation Interests, Page 11-28 to 11-29</p>
<p>Section 11.5.3 Effects Assessment Page 140</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of VCs and indicators used to assess effects carried forward.</li> </ul>	<p>Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 11-26; line 11 to 26; Table 11.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haisla Nation Interests, Page 11-27</p>
<p>Section 11.5.3 Effects Assessment Page 140</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of any assessment methods and analysis used to undertake the assessment of effects to the Indigenous interest.</li> </ul>	<p>Section 11.5.4.3 Assessment Methods, Page 11-30; line 1 to Page 11-33; line 13</p>
<p>Section 11.5.4 Mitigation and Enhancement Measures Page 140</p>	<p>The Application will include information regarding:</p> <ul style="list-style-type: none"> <li>• Project design and mitigations identified for the relevant VCs that are proposed to mitigate effects on Indigenous Interests.</li> </ul>	<p>Section 11.5.5. Mitigation and/or Enhancement Measures, Page 11-33; lines 14 to 23; Table 11.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Haisla Nation, Page 11-35</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 11.5.4 Mitigation and Enhancement Measures Page 140	The Application will include information regarding: <ul style="list-style-type: none"> <li>Additional mitigations and enhancement measures that are specific to the Indigenous Nation or Indigenous interest.</li> </ul>	Section 11.5.5. Mitigation and/or Enhancement Measures, Page 11-33; lines 14 to 23; Table 11.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Haisla Nation, Page 11-35
Section 11.5.4 Mitigation and Enhancement Measures Page 140	The Application will include information regarding: <ul style="list-style-type: none"> <li>Proposed monitoring initiatives or review processes related to the effect on the Indigenous interest, as applicable.</li> </ul>	Section 11.5.5. Mitigation and/or Enhancement Measures, Page 11-33; lines 14 to 23; Table 11.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Haisla Nation, Page 11-35  Section 11.5.7 Characterization of Residual Effects, Page 11-79; lines 1 to 21
Section 11.5.4 Mitigation and Enhancement Measures Page 140	Perspectives on the effectiveness of the mitigation options will be presented as well as the relative level of uncertainty or risk associated with the mitigation option(s).	Section 11.5.5. Mitigation and/or Enhancement Measures, Page 11-33; lines 14 to 23; Table 11.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Haisla Nation, Page 11-35  Section 11.7 Haisla Nation Views, Page 11-101; lines 24 to 36
Section 11.5.5 Assessing Adverse Effects Page 141	The Application will provide a detailed description of the assessment of adverse effects to Indigenous Interests that are anticipated as a result of the Project, and present the results of this assessment, after taking mitigation into account.	Section 11.5.6.1 Changes in Consumption and Harvest, Page 11-37; line 10 to Page 11-53; line 2  Section 11.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features, Page 11-38; line 3 to Page 11-66; line 26  Section 11.5.6.3 Changes that Affect Haisla Nation Governance, Page 11-66; line 27 to Page 11-78; line 27  Section 11.5.6.4 Changes to Aboriginal Title and Rights, Page 11-78; lines 28 to 43  Section 11.5.7 Characterization of Residual Effects, Page 11-79; lines 1 to 21
Section 11.5.5 Assessing Adverse Effects Page 141	It will describe proposed monitoring initiatives or review processes related to the effect on Indigenous interest.	Section 11.5.5. Mitigation and/or Enhancement Measures, Page 11-33; lines 14 to 23; Table 11.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Haisla Nation, Page 11-35  Section 11.5.7 Characterization of Residual Effects, Page 11-79; lines 1 to 21



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 11.5.6 Characterization of Residual Effects Page 141	The Application will provide a characterization of residual effects of the Project to the Indigenous interest.	Section 11.5.6 Assessing Adverse Effects, Page 11-37; line 1 to Page 11-101; line 15 Section 11.5.6.1 Changes in Consumption and Harvest – Characterization of Project Residual Effects, Page 11-51; line 1 to Page 11-53; line 2 Section 11.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features – Characterization of Project Residual Effects, Page 11-65; line 1 to Page 11-66; line 26 Section 11.5.6.3 Changes that Affect Haisla Nation Governance – Characterization of Project Residual Effects, Page 11-77; line 1 to Page 11-78; line 27 Section 11.5.7 Characterization of Residual Effects, Page 11-79; lines 1 to 21
Section 11.5.6 Characterization of Residual Effects Page 141	This will include information on the socio-cultural context of the Indigenous interest and the potential for effects on the broader social, economic, health status of the Nation from residual effects to Indigenous interest.	Section 11.5.6.1 Changes in Consumption and Harvest, Page 11-37; line 10 to Page 11-53; line 2 Section 11.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features, Page 11-38; line 3 to Page 11-66; line 26 Section 11.5.6.3 Changes that Affect Haisla Nation Governance, Page 11-66; line 27 to Page 11-78; line 27 Section 11.5.6.4 Changes to Aboriginal Title and Rights, Page 11-78; lines 28 to 43 Section 11.5.7 Characterization of Residual Effects, Page 11-79; lines 1 to 21
Section 11.5.7 Cumulative Effects Page 141	The Application will include an assessment of the Project’s contribution to cumulative effects on the Indigenous interest and identify any additional mitigation measures.	Section 11.5.8 Cumulative Effects, Page 11-82; line 1 to 30
Section 11.5.7 Cumulative Effects Page 141	The Application will describe the likelihood of any adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 11.5.8.4. Residual Cumulative Effects on Haisla Nation Interests, Page 11-100; line 10 to Page 11-101; line 10 Section 11.5.8.5 Likelihood of Residual Cumulative Effects, Page 11-101; lines 11 to 15



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 11.6 Assessing Positive Effects Page 141	The Application will describe any positive effects to Indigenous Interests or the Nation overall that are anticipated as a result of the Project and its associated effects management approaches.	Section 11.6 Assessing Positive Effects, Page 11-101; lines 16 to 23
Section 11.7 Haisla Nation Views Page 141	The Application will describe how Cedar engaged with the Indigenous Nation, including any collaboration with the Indigenous Nation, or integrated the Nation's perspectives into, the assessment of effects on Indigenous Interests, including both positive and adverse effects.	Section 11.7 Haisla Nation Views, Page 11-101; lines 24 to 36
Section 11.7 Haisla Nation Views Page 141	The Application will clearly state any views of the Nation on the potential positive and/or adverse effects identified, approach to effects management, residual effects, and conclusions.	Section 11.7 Haisla Nation Views, Page 11-101; lines 24 to 36
Section 11.8 Summary Page 141	The Application will include a summary of the assessment for the Indigenous Nation outlining the residual effects on Indigenous Interests for the EAO to consider when determining the overall seriousness of impact to the Indigenous Interests, outline any major points of agreement or disagreement with the Nation, and describe efforts taken to address any points of disagreement.	Section 11.5.7 Characterization of Residual Effects, Page 11-79; lines 1 to 21 Section 11.8 Summary, Page 11-102; lines 1 to 12
Section 12.0 Gitga'at First Nation Page 142	The Application will include an assessment of the effects of the Project on Gitga'at First Nation Interests as described in Section 6.0, or following other assessment methods developed in consultation with Gitga'at First Nation.	Sections 12.5 Assessing Effects on Gitga'at First Nation Interests, Page 12-19; line 24 to Page 12-86; line 9 Section 12.6 Assessing Positive Effects, Page 12-86; lines 10 to 18
Section 12.0 Gitga'at First Nation Page 142	The assessment in the Application will be informed by engagement with Gitga'at First Nation.	Section 12.3 Gitga'at First Nation Summary of Engagement, Page 12-17; line 25 to Page 12-18; line 23

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 12.0 Gitga'at First Nation Page 142</p>	<p>Approach to the assessment will consider incorporation of Nation specific VCs, if provided by Gitga'at Nation.</p>	<p>Section 12.5.2 Preliminary List of Potential Effects, Page 12-22; line 1 to Page 12-23; line 12</p> <p>Section 12.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 12-28; lines 1 to 40; Table 12.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitga'at First Nation Interests, Page 12-29 to Page 12-30</p> <p>Section 12.8 Summary, Page 12-87; lines 6 to 21</p>
<p>Section 12.0 Gitga'at First Nation Page 142</p>	<p>Each Indigenous interest will be assessed under its own section, unless analysis and supporting information is similar, in which case two or more may be combined in the same subsection.</p>	<p>Section 12.5.6 Assessing Adverse Effects, Page 12-40; line 1 to Page 12-86; line 9</p>
<p>Section 12.1 Overview and Context Page 143</p>	<p>The Application will include background information on each Indigenous Nation including ethnography, language, governance, economy, population, communities, Reserves, Indigenous land use plans (with reference to Section 2.3 as applicable), health and social conditions and other contextual information the Nation provides to Cedar and identifies as important to understanding the impacts of the Project on their Nation.</p>	<p>Section 12.1 Overview and Context, Page 12-1; line 21 to Page 12-12; line 24; Table 12.1.1 Gitga'at First Nation Reserves, Page 12-13</p> <p>Section 12.2 Existing Conditions, Page 12-14; line 1 to Page 12-17; line 24</p>
<p>Section 12.1 Overview and Context Page 143</p>	<p>The assessment for each Indigenous Nation will include an overview of the understanding of Indigenous Interests in the area that could be affected by the Project.</p>	<p>Section 12.1 Overview and Context, Page 12-1; line 21 to Page 12-12; line 24; Table 12.1.1 Gitga'at First Nation Reserves, Page 12-13</p> <p>Section 12.2 Existing Conditions, Page 12-14; line 1 to Page 12-17; line 24</p> <p>Section 12.5.2 Preliminary List of Potential Effects, Page 12-22; line 1 to Page 12-23; line 12</p> <p>Section 12.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 12-28; lines 1 to 40; Table 12.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitga'at First Nation Interests, Page 12-29 to Page 12-30</p> <p>Section 12.8 Summary, Page 12-87; lines 6 to 21</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 12.1 Overview and Context Page 143</p>	<p>Indigenous Interests will include impacts to Aboriginal or treaty rights recognized and affirmed by section 35 of the <i>Constitution Act</i>, 1982 as well as any other Interests identified by the Nation.</p>	<p>Section 12.1 Overview and Context, Page 12-1; line 21 to Page 12-12; line 24; Table 12.1.1 Gitga'at First Nation Reserves, Page 12-13</p> <p>Section 12.2 Existing Conditions, Page 12-14; line 1 to Page 12-17; line 24</p> <p>Section 12.5.2 Preliminary List of Potential Effects, Page 12-24; line 1 to 22</p> <p>Section 12.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 12-28; lines 1 to 40; Table 12.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitga'at First Nation Interests, Page 12-29 to Page 12-30</p> <p>Section 12.8 Summary, Page 12-87; lines 6 to 21</p>
<p>Section 12.1 Overview and Context Page 143</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation's governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ How Indigenous laws, governance or customs apply to this area, including how those processes may have evolved over time, and how they should be used to review the potential impacts of the Project on Indigenous Interests.</li> </ul> </li> </ul>	<p>Section 12.1.2 Ethnography, Page 12-3; line 9 to 34</p> <p>Section 12.1.5 Governance, Page 12-7; line 7 to 30</p>
<p>Section 12.1 Overview and Context Page 143</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation's governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ Indigenous laws, customs, or requirements for the area including any existing Indigenous land use plans.</li> </ul> </li> </ul>	<p>Section 2.3 Land and Marine Use Plans, Page 2-8; line 22 to Page 2-11; line 4</p> <p>Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-12; line 27</p> <p>Section 12.1.2 Ethnography, Page 12-3; line 9 to 34</p> <p>Section 12.1.4 Planning Initiatives and Land Use Plans, Page 12-4; line 22 to Page 12-7; line 6</p> <p>Section 12.1.5 Governance, Page 12-7; lines 7 to 30</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 12.1 Overview and Context</p> <p>Page 143</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ Agreements with other Nations regarding governance of areas of territory overlap, as relevant to the Project.</li> </ul> </li> </ul>	<p>Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-12; line 27</p> <p>Section 12.1.4 Planning Initiatives and Land Use Plans, Page 12-4; line 22 to Page 12-7; line 6</p> <p>Section 12.1.5 Governance, Page 12-7; lines 7 to 30</p>
<p>Section 12.1 Overview and Context</p> <p>Page 143</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• A list of the Indigenous Interests that may be impacted by the Project.</li> </ul>	<p>Section 12.5.2 Preliminary List of Potential Effects, Page 12-22; line 1 to Page 12-23; line 12</p> <p>Section 12.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 12-28; lines 1 to 40; Table 12.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitga’at First Nation Interests, Page 12-29 to Page 12-30</p> <p>Section 12.8 Summary, Page 12-87; lines 6 to 21</p>
<p>Section 12.1 Overview and Context</p> <p>Page 143</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• A summary of historic and current use of the area in the vicinity of the Project by Indigenous people over time including consideration of cumulative effects, and practices in the vicinity of the Project with regard to the Indigenous Interests. This summary will include any site-specific use values present in the vicinity of the Project, which are areas identified and/or mapped by Indigenous Nations as having environmental, cultural, spiritual, transportation, subsistence and habitation value.</li> </ul>	<p>Section 12.1 Overview and Context, Page 12-1; line 21 to Page 12-12; line 24; Table 12.1.1 Gitga’at First Nation Reserves, Page 12-13</p> <p>Section 12.2 Existing Conditions, Page 12-14; line 1 to Page 12-17; line 24</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 12.2 Existing Conditions Page 144	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>Describe historic and current use of the area in the vicinity of the Project by Indigenous people over time including consideration of cumulative effects.</li> </ul>	<p>Section 12.1 Overview and Context, Page 12-1; line 21 to Page 12-12; line 24; Table 12.1.1 Gitga'at First Nation Reserves, Page 12-13</p> <p>Section 12.2 Existing Conditions, Page 12-14; line 1 to Page 12-17; line 24</p>
Section 12.2 Existing Conditions Page 144	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>Describe practices in the vicinity of the Project with regard to Indigenous Interests (including reference to specific sites and species of Interests, where applicable).</li> </ul>	<p>Section 12.1 Overview and Context, Page 12-1; line 21 to Page 12-12; line 24; Table 12.1.1 Gitga'at First Nation Reserves, Page 12-13</p> <p>Section 12.2 Existing Conditions, Page 12-14; line 1 to Page 12-17; line 24</p>
Section 12.2 Existing Conditions Page 144	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>Describe the relative importance of the Project Area, transmission line corridor and surroundings, including any special characteristics or unique features, to Indigenous Interests.</li> </ul>	<p>Section 1.3.1 Infrastructure and Shipping Route, Page 1-5; line 4 to Page 1-6; line 8</p> <p>Section 1.3.3 Indigenous Territories, Page 1-9; lines 15 to 27</p> <p>Section 12.1 Overview and Context, Page 12-1; line 21 to Page 12-12; line 24; Table 12.1.1 Gitga'at First Nation Reserves, Page 12-13</p> <p>Section 12.1.1 Gitga'at First Nation Traditional Territory, Page 12-2; line 7 to Page 12-3; line 8</p> <p>Section 12.2 Existing Conditions, Page 12-14; line 1 to Page 12-17; line 24</p> <p>Section 12.5.6 Assessing Adverse Effects, Page 12-40; line 1 to Page 12-86; line 9</p>
Section 12.3 Summary of Engagement Page 144	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>Engagement activities undertaken with the Nation including the timeframe, means, and results of engagement.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26</p> <p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 12.3 Gitga'at First Nation Summary of Engagement, Page 12-17; line 25 to Page 12-18; line 23</p> <p>Section 12.7 Gitga'at First Nation Views, Page 12-86; line 19 to Page 12-87; line 5</p> <p>Section 12.8 Summary, Page 12-87; lines 6 to 21</p> <p>Section 12.8.2 Follow-up Strategy, Page 12-87; line 32 to Page 12-88; line 6</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 12.3 Summary of Engagement Page 144</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Efforts to engage diverse populations of the Nation community in culturally appropriate ways, including Indigenous local group/subgroup (e.g., clan, family) areas within the broader traditional territory, and groups identified by gender, age, or other community relevant factors.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26</p> <p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 12.3 Gitga’at First Nation Summary of Engagement, Page 12-17; line 25 to Page 12-18; line 23</p> <p>Section 12.8.2 Follow-up Strategy, Page 12-87; line 32 to Page 12-88; line 6</p>
<p>Section 12.3 Summary of Engagement Page 144</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ How engagement activities conducted by Cedar support the Nation to understand the Project and its effects on the Nation and its Interests.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26</p> <p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 12.3 Gitga’at First Nation Summary of Engagement, Page 12-17; line 25 to Page 12-18; line 23</p> <p>Section 12.8.2 Follow-up Strategy, Page 12-87; line 32 to Page 12-88; line 6</p>
<p>Section 12.3 Summary of Engagement Page 144</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ The Nation’s views on Cedar’s consultation approach and resolution of issues raised when provided.</li> </ul> </li> </ul>	<p>Section 12.3 Gitga’at First Nation Summary of Engagement, Page 12-17; line 25 to Page 12-18; line 23</p> <p>Section 12.7 Gitga’at First Nation Views, Page 12-86; line 19 to Page 12-87; line 5</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 12.3 Summary of Engagement Page 144</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ A description of how Cedar responded to questions, comments and issues raised by the Nation, the Nation's perspective on the resolution of issues, how unresolved input has been addressed in the Application, and/or how unresolved input will be addressed through the assessment.</li> </ul> </li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 12.3 Gitga'at First Nation Summary of Engagement, Page 12-17; line 25 to Page 12-18; line 23</p> <p>Section 12.8 Summary, Page 12-87; lines 6 to 21</p>
<p>Section 12.3 Summary of Engagement Page 145</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation's perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Development and collection of baseline information</li> </ul> </li> </ul> </li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 12.1 Overview and Context, Page 12-1; line 21 to Page 12-12; line 24; Table 12.1.1 Gitga'at First Nation Reserves, Page 12-13</p> <p>Section 12.2 Existing Conditions, Page 12-14; line 1 to Page 12-17; line 24</p> <p>Section 12.3 Gitga'at First Nation Summary of Engagement, Page 12-17; line 25 to Page 12-18; line 23</p> <p>Section 12.3.1 Key Areas of Concern, Page 12-18; line 24 to Page 12-19; line 5</p> <p>Section 12.5.1 Scope of the Assessment, Page 12-19; line 27 to page 12-20; line 10</p>
<p>Section 12.3 Summary of Engagement Page 145</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation's perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Plans for construction, operation, or decommissioning</li> </ul> </li> </ul> </li> </ul>	<p>Section 1.1 Project Context, Page 1-1; line 5 to Page 1-2; line 29</p> <p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 12.3 Gitga'at First Nation Summary of Engagement, Page 12-17; line 25 to Page 12-18; line 23</p> <p>Section 12.3.1 Key Areas of Concern, Page 12-18; line 24 to Page 12-19; line 5</p> <p>Section 12.8.2 Follow-up Strategy, Page 12-87; line 32 to Page 12-88; line 6</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 12.3 Summary of Engagement Page 145</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation’s perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Identification of VCs</li> </ul> </li> </ul> </li> </ul>	<p>Section 12.3.1 Key Areas of Concern, Page 12-18; line 24 to Page 12-19; line 5 Section 12.5.1 Scope of the Assessment, Page 12-21; lines 8 to 20 Section 12.5.2 Preliminary List of Potential Effects, Page 12-22; line 1 to Page 12-23; line 12 Section 12.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 12-28; lines 1 to 40; Table 12.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitga’at First Nation Interests, Page 12-29 to Page 12-30</p>
<p>Section 12.3 Summary of Engagement Page 145</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• Information regarding any arrangement or agreement between Cedar and the Nation for collaboration on the development of the Application or delivery of the Project, subject to confidentiality terms. This includes agreements related to the delivery of studies, capacity funding agreements and agreements regarding the use of Indigenous knowledge.</li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 12.3 Gitga’at First Nation Summary of Engagement, Page 12-17; line 25 to Page 12-18; line 23</p>
<p>Section 12.4 Information Sources Page 145</p>	<p>The sources of information used in preparing the assessment of effects on the Indigenous Nation will be clearly identified, noting where information represents the views of the Nation, Cedar or otherwise.</p>	<p>Section 12.4 Information Sources, Page 12-19; lines 6 to 23</p>
<p>Section 12.4 Information Sources Page 145</p>	<p>Information sources that include Indigenous knowledge will be clearly labeled as such.</p>	<p>Section 12.4 Information Sources, Page 12-19; lines 6 to 23</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 12.4 Information Sources Page 145</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>An outline of the steps taken by Cedar to work with the Indigenous Nation to incorporate Indigenous knowledge including a summary of any agreement with the Nation regarding the use, application and interpretation of Indigenous knowledge (e.g., Memorandum of Understanding).</li> </ul>	<p>Section 12.3 Gitga'at First Nation Summary of Engagement, Page 12-17; line 25 to Page 12-18; line 23</p> <p>Section 12.4 Information Sources, Page 12-19; lines 6 to 23</p>
<p>Section 12.4 Information Sources Page 145</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>Identification of how and when Indigenous Nation were provided the opportunity to confirm that the information sources were appropriate for public disclosure.</li> </ul>	<p>Section 12.3 Gitga'at First Nation Summary of Engagement, Page 12-17; line 25 to Page 12-18; line 23</p> <p>Section 12.4 Information Sources, Page 12-19; lines 6 to 23</p>
<p>Section 12.4 Information Sources Page 145</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>A description of how Indigenous knowledge informed the Project design, the assessment, proposed mitigation measures or any other aspect of the assessment.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 12.2 Existing Conditions, Page 12-14; line 1 to Page 12-18; line 4</p> <p>Section 12.4 Information Sources, Page 12-19; lines 6 to 23</p> <p>Section 12.5.6 Assessing Adverse Effects, Page 12-40; line 1 to Page 12-86; line 9</p>
<p>Section 12.4 Information Sources Page 145</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>If applicable, a plan for future cooperation between Cedar and the Nation to further consider Indigenous knowledge in project implementation, for example monitoring and management plans.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 12.4 Information Sources, Page 12-19; lines 6 to 23</p> <p>Section 12.8.2 Follow-up Strategy, Page 12-87; line 32 to Page 12-88; line 6</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 12.5.1 Scope of the Assessment Page 146</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Identify the potential effects of the proposed Project on Indigenous Interests that will be assessed.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 12.5.2 Preliminary List of Potential Effects, Page 12-22; line 1 to Page 12-23; line 12</p> <p>Section 12.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 12-28; lines 1 to 40; Table 12.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitga'at First Nation Interests, Page 12-29 to Page 12-30</p> <p>Section 12.8 Summary, Page 12-87; lines 6 to 21</p>
<p>Section 12.5.1 Scope of the Assessment Page 146</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe how the Indigenous interest was identified, through engagement with the Indigenous Nation or otherwise.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 12.1 Overview and Context, Page 12-1; line 21 to Page 12-12; line 24; Table 12.1.1 Gitga'at First Nation Reserves, Page 12-13</p> <p>Section 12.3 Gitga'at First Nation Summary of Engagement, Page 12-17; line 25 to Page 12-18; line 23</p> <p>Section 12.4 Information Sources, Page 12-19; lines 6 to 23</p> <p>Section 12.5.2 Preliminary List of Potential Effects, Page 12-22; line 1 to Page 12-23; line 12</p> <p>Section 12.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 12-28; lines 1 to 40; Table 12.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitga'at First Nation Interests, Page 12-29 to Page 12-30</p> <p>Section 12.8 Summary, Page 12-87; lines 6 to 21</p>
<p>Section 12.5.1 Scope of the Assessment Page 146</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Summarize the VCs used in the assessment of effects on the Indigenous interest and whether they were carried forward from Section 5.1 or developed specifically for the assessment of the Indigenous interest.</li> </ul>	<p>Section 12.5.1 Scope of the Assessment, Page 12-19; line 27 to Page 12-20; line 10</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 12.5.1 Scope of the Assessment Page 146	The Application will: <ul style="list-style-type: none"> <li>Describe linkages with other Indigenous Interests</li> </ul>	Section 12.5.1 Scope of the Assessment, Page 12-19; line 27 to Page 12-20; line 10
Section 12.5.2 Assessment Boundaries Page 146	The Application will define the assessment boundaries for assessing the effects on the Indigenous interest, including spatial and temporal boundaries, with reference to the spatial and temporal boundaries used for the VC assessments in Section 7.0, as applicable.	Section 12.5.3 Assessment Boundaries, Page 12-23; line 13 to Page 12-26; line 20
Section 12.5.2 Assessment Boundaries Page 146	Where relevant, administrative, and technical boundaries will also be identified.	Section 12.5.3.3 Administrative and Technical Boundaries, Page 12-26; line 21 to Page 12-27; line 29
Section 12.5.3 Effects Assessment Page 146	The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include: <ul style="list-style-type: none"> <li>Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>Biophysical (e.g., effects to wildlife and habitat)</li> </ul> </li> </ul>	Section 12.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 12-28; lines 1 to 40 Table 12.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitga'at First Nation Interests, Page 12-29 to Page 12-30 Section 12.5.6.1 Changes in Consumption and Harvest – Project Pathways, Page 12-41; line 28 to Page 12-43; line 26 Section 12.8 Summary, Page 12-87; lines 6 to 21
Section 12.5.3 Effects Assessment Page 146	The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include: <ul style="list-style-type: none"> <li>Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>Related to the ability to use and access Crown lands and waters</li> </ul> </li> </ul>	Section 12.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 12-28; lines 1 to 40; Table 12.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitga'at First Nation Interests, Page 12-29 to Page 12-30 Section 12.5.6.3 Changes That Affect Aspects of Gitga'at First Nation Governance – Project Pathways, Page 12-58; lines 1 to 27 Section 12.5.6.4 Changes to Aboriginal Title and Rights, Page 12-64; lines 12 to 29 Section 12.8 Summary, Page 12-87; lines 6 to 21

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 12.5.3 Effects Assessment Page 146</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>○ Cultural/experiential (e.g., presence of industrial activity disrupts peaceful enjoyment)</li> </ul> </li> </ul>	<p>Section 12.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 12-28; lines 1 to 40</p> <p>Table 12.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitga’at First Nation Interests, Page 12-29 to Page 12-30</p> <p>Section 12.5.6.1 Changes in Consumption and Harvest – Project Pathways, Page 12-41; line 28 to Page 12-43; line 26</p> <p>Section 12.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features – Project Pathways, Page 12-51; lines 24 to 39</p> <p>Section 12.8 Summary, Page 12-87; lines 6 to 21</p>
<p>Section 12.5.3 Effects Assessment Page 146</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Identification of effects to be carried forward from pathways determined to be consequential or requiring mitigation.</li> </ul>	<p>Section 12.5.4.2 Project Interactions, Page 12-30; line 1 to Page 12-31; line 25</p> <p>Table 12.5.3 Potential Project Interactions with Gitga’at First Nation Interests, Page 12-32 to Page 12-33</p>
<p>Section 12.5.3 Effects Assessment Page 146</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of VCs and indicators used to assess effects carried forward.</li> </ul>	<p>Section 12.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 12-28; lines 1 to 40</p> <p>Table 12.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitga’at First Nation Interests, Page 12-29 to Page 12-30</p>
<p>Section 12.5.3 Effects Assessment Page 146</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of any assessment methods and analysis used to undertake the assessment of effects to the Indigenous interest.</li> </ul>	<p>Section 12.5.4.3 Assessment Methods, Page 12-33; line 1 to Page 12-37; line 14</p>
<p>Section 12.5.4 Mitigation and Enhancement Measures Page 147</p>	<p>The Application will include information regarding:</p> <ul style="list-style-type: none"> <li>• Project design and mitigations identified for the relevant VCs that are proposed to mitigate effects on Indigenous Interests.</li> </ul>	<p>Section 12.5.5. Mitigation and/or Enhancement Measures, Page 12-37; lines 15 to 24</p> <p>Table 12.5.5 Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Gitga’at First Nation, Page 12-38 to Page 12-39</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 12.5.4 Mitigation and Enhancement Measures Page 147	The Application will include information regarding: <ul style="list-style-type: none"> <li>Additional mitigations and enhancement measures that are specific to the Indigenous Nation or Indigenous interest.</li> </ul>	Section 12.5.5. Mitigation and/or Enhancement Measures, Page 12-37; lines 15 to 24 Table 12.5.5 Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Gitga'at First Nation, Page 12-38 to Page 12-39
Section 12.5.4 Mitigation and Enhancement Measures Page 147	The Application will include information regarding: <ul style="list-style-type: none"> <li>Proposed monitoring initiatives or review processes related to the effect on the Indigenous interest, as applicable.</li> </ul>	Section 12.5.5. Mitigation and/or Enhancement Measures, Page 12-37; lines 15 to 24 Table 12.5.5 Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Gitga'at First Nation, Page 12-38 to Page 12-39 Section 12.5.7 Characterization of Residual Effects, Page 12-64; line 30 to Page 12-65; line 14
Section 12.5.4 Mitigation and Enhancement Measures Page 147	Perspectives on the effectiveness of the mitigation options will be presented as well as the relative level of uncertainty or risk associated with the mitigation option(s).	Section 12.5.5. Mitigation and/or Enhancement Measures, Page 12-37; lines 15 to 24 Table 12.5.5 Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Gitga'at First Nation, Page 12-38 to Page 12-39 Section 12.7 Gitga'at First Nation Views, Page 12-86; line 19 to Page 12-87; line 5
Section 12.5.5 Assessing Adverse Effects Page 147	The Application will provide a detailed description of the assessment of adverse effects to Indigenous Interests that are anticipated as a result of the Project, and present the results of this assessment, after taking mitigation into account.	Section 12.5.6.1 Changes in Consumption and Harvest, Page 12-40; line 11 to Page 12-50; line 28 Section 12.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features, Page 12-50; line 29 to Page 12-56; line 12 Section 12.5.6.3 Changes that Affect Gitga'at First Nation Governance, Page 12-56; line 13 to Page 12-64; line 11 Section 12.5.6.4 Changes to Aboriginal Title and Rights, Page 12-64; lines 12 to 29 Section 12.5.7 Characterization of Residual Effects, Page 12-64; line 30 to Page 12-65; line 14



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 12.5.5 Assessing Adverse Effects Page 147</p>	<p>It will describe proposed monitoring initiatives or review processes related to the effect on Indigenous interest.</p>	<p>Section 12.5.5. Mitigation and/or Enhancement Measures, Page 12-37; lines 15 to 24 Table 12.5.5 Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Gitga’at First Nation, Page 12-38 to Page 12-39 Section 12.5.7 Characterization of Residual Effects, Page 12-64; line 30 to Page 12-65; line 14</p>
<p>Section 12.5.6 Characterization of Residual Effects Page 147</p>	<p>The Application will provide a characterization of residual effects of the Project to the Indigenous interest.</p>	<p>Section 12.5.6 Assessing Adverse Effects, Page 12-40; line 1 to Page 12-86; line 9 Section 12.5.6.1 Changes in Consumption and Harvest – Characterization of Project Residual Effects, Page 12-48; line 1 to Page 12-49; line 28 Section 12.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features – Characterization of Project Residual Effects, Page 12-54; line 1 to Page 12-55; line 12 Section 12.5.6.3 Changes that Affect Gitga’at First Nation Governance Characterization of Project Residual Effects, Page 12-63; line 1 to Page 12-64; line 11 Section 12.5.7 Characterization of Residual Effects, Page 12-64; line 30 to Page 12-65; line 14</p>
<p>Section 12.5.6 Characterization of Residual Effects Page 147</p>	<p>This will include information on the socio-cultural context of the Indigenous interest and the potential for effects on the broader social, economic, health status of the Nation from residual effects to Indigenous interest.</p>	<p>Section 12.5.6.1 Changes in Consumption and Harvest, Page 12-40; line 11 to Page 12-50; line 28 Section 12.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features, Page 12-50; line 29 to Page 12-56; line 12 Section 12.5.6.3 Changes that Affect Gitga’at First Nation Governance, Page 12-56; line 13 to Page 12-64; line 11 Section 12.5.6.4 Changes to Aboriginal Title and Rights, Page 12-64; lines 12 to 29 Section 12.5.7 Characterization of Residual Effects, Page 12-64; line 30 to Page 12-65; line 14</p>
<p>Section 12.5.7 Cumulative Effects Page 147</p>	<p>The Application will include an assessment of the Project’s contribution to cumulative effects on the Indigenous interest and identify any additional mitigation measures.</p>	<p>Section 12.5.8 Cumulative Effects, Page 12-68; line 1 to Page 12-85; line 2</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 12.5.7 Cumulative Effects Page 147	The Application will describe the likelihood of any adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 12.5.8.4. Residual Cumulative Effects on Haisla Nation Interests, Page 12-85; line 3 to Page 12-86; line 4 Section 12.5.8.5 Likelihood of Residual Cumulative Effects, Page 12-86; lines 5 to 9
Section 12.6 Assessing Positive Effects Page 147	The Application will describe any positive effects to Indigenous Interests or the Nation overall that are anticipated as a result of the Project and its associated effects management approaches.	Section 12.6 Assessing Positive Effects, Page 12-86; lines 10 to 18
Section 12.7 Gitga'at First Nation Views Page 148	The Application will describe how Cedar engaged with the Indigenous Nation, including any collaboration with the Indigenous Nation, or integrated the Nation's perspectives into, the assessment of effects on Indigenous Interests, including both positive and adverse effects.	Section 12.7 Gitga'at First Nation Views, Page 12-86; line 19 to Page 12-87; line 5
Section 12.7 Gitga'at First Nation Views Page 148	The Application will clearly state any views of the Nation on the potential positive and/or adverse effects identified, approach to effects management, residual effects, and conclusions.	Section 12.7 Gitga'at First Nation Views, Page 12-86; line 19 to Page 12-87; line 5
Section 12.8 Summary Page 148	The Application will include a summary of the assessment for the Indigenous Nation outlining the residual effects on Indigenous Interests for the EAO to consider when determining the overall seriousness of impact to the Indigenous Interests, outline any major points of agreement or disagreement with the Nation, and describe efforts taken to address any points of disagreement.	Section 12.5.7 Characterization of Residual Effects, Page 12-64; line 30 to Page 12-65; line 14 Section 12.8 Summary, Page 12-87; lines 6 to 21
Section 13.0 Gitxaala Nation Page 148	The Application will include an assessment of the effects of the Project on Gitxaala Nation Interests as described in Section 6.0 or following other assessment methods developed in consultation with Gitxaala Nation.	Section 13.5 Assessing Effects on Gitxaala Nation Interests, Page 13-18; line 14 to Page 13-18; line 1 to Page 13-91; line 35 Section 13.6 Assessing Positive Effects, Page 13-21; lines 1 to 9



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 13.0 Gitxaala Nation Page 148	The assessment in the Application will be informed by engagement with Gitxaala Nation.	Section 13.3 Gitxaala Nation Summary of Engagement, Page 13-16; line 6 to Page 13-17; line 13
Section 13.0 Gitxaala Nation Page 148	Approach to the assessment will consider input provided by Gitxaala Nation on incorporation of Nation-specific VCs, when provided.	Section 13.3.1 Key Areas of Concern, Page 13-17; lines 14 to 36 Section 13.5.2 Preliminary List of Potential Effects, Page 13-21; lines 1 to 15 Section 13.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 13-25; lines 20 to 37; Table 13.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitxaala Nation Interests, Page 13-26 to Page 13-27 Section 13.8 Summary, Page 13-92; line 22 to Page 13-93; line 3
Section 13.0 Gitxaala Nation Page 149	Each Indigenous interest will be assessed under its own section, unless analysis and supporting information is similar, in which case two or more may be combined in the same subsection.	Section 13.5.6 Assessing Adverse Effects, Page 13-37; line 1 to Page 13-91; line 35
Section 13.1 Overview and Context Page 149	The Application will include background information on each Indigenous Nation including ethnography, language, governance, economy, population, communities, Reserves, Indigenous land use plans (with reference to Section 2.3 as applicable), health and social conditions and other contextual information the Nation provides to Cedar and identifies as important to understanding the impacts of the Project on their Nation.	Section 13.1 Overview and Context, Page 13-1; line 23 to Page 13-9; line 25 Table 13.1.1 Gitxaala Nation Reserves, Page 13-9 to Page 13-10 Section 13.2 Existing Conditions, Page 13-11; line 1 to Page 13-14; line 5



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 13.1 Overview and Context Page 149	The assessment for each Indigenous Nation will include an overview of the understanding of Indigenous Interests in the area that could be affected by the Project.	Section 13.1 Overview and Context, Page 13-1; line 23 to Page 13-9; line 25 Table 13.1.1 Gitxaala Nation Reserves, Page 13-9 to Page 13-10 Section 13.2 Existing Conditions, Page 13-11; line 1 to Page 13-14; line 5 Section 13.5.2 Preliminary List of Potential Effects, Page 13-21; lines 1 to 15 Section 13.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 13-25; lines 20 to 37; Table 13.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitxaala Nation Interests, Page 13-26 to Page 13-27 Section 13.8 Summary, Page 13-92; line 22 to Page 13-93; line 3
Section 13.1 Overview and Context Page 149	Indigenous Interests will include impacts to Aboriginal or treaty rights recognized and affirmed by section 35 of the <i>Constitution Act</i> , 1982 as well as any other Interests identified by the Nation.	Section 13.1 Overview and Context, Page 13-1; line 23 to Page 13-9; line 25 Table 13.1.1 Gitxaala Nation Reserves, Page 13-9 to Page 13-10 Section 13.2 Existing Conditions, Page 13-11; line 1 to Page 13-14; line 5 Section 13.5.2 Preliminary List of Potential Effects, Page 13-21; lines 1 to 15 Section 13.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 13-25; lines 20 to 37; Table 13.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitxaala Nation Interests, Page 13-26 to Page 13-27 Section 13.8 Summary, Page 13-92; line 22 to Page 13-93; line 3



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 13.1 Overview and Context Page 149	Information in this section will be developed through engagement with the Nation and include: <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding:                             <ul style="list-style-type: none"> <li>○ How Indigenous laws, governance or customs apply to this area, including how those processes may have evolved over time, and how they should be used to review the potential impacts of the Project on Indigenous Interests.</li> </ul> </li> </ul>	Section 13.1.2 Ethnography, Page 13-3; lines 1 to 25 Section 13.1.5 Governance, Page 13-6; line 34 to Page 13-7; line 12
Section 13.1 Overview and Context Page 149	Information in this section will be developed through engagement with the Nation and include: <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding:                             <ul style="list-style-type: none"> <li>○ Indigenous laws, customs, or requirements for the area including any existing Indigenous land use plans.</li> </ul> </li> </ul>	Section 2.3 Land and Marine Use Plans, Page 2-8; line 22 to Page 2-11; line 4 Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-12; line 27 Section 13.1.2 Ethnography, Page 13-3; lines 1 to 25 Section 13.1.4 Planning Initiatives and Land Use Plans, Page 13-5; line 9 to Page 13-6; line 33 Section 13.1.5 Governance, Page 13-6; line 34 to Page 13-7; line 12
Section 13.1 Overview and Context Page 149	Information in this section will be developed through engagement with the Nation and include: <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding:                             <ul style="list-style-type: none"> <li>○ Agreements with other Nations regarding governance of areas of territory overlap, as relevant to the Project.</li> </ul> </li> </ul>	Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-12; line 27 Section 13.1.4 Planning Initiatives and Land Use Plans, Page 13-5; line 9 to Page 13-6; line 33 Section 13.1.5 Governance, Page 13-6; line 34 to Page 13-7; line 12

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 13.1 Overview and Context Page 149</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>A list of the Indigenous Interests that may be impacted by the Project.</li> </ul>	<p>Section 13.5.2 Preliminary List of Potential Effects, Page 13-21; lines 1 to 15</p> <p>Section 13.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 13-25; lines 20 to 37; Table 13.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitxaala Nation Interests, Page 13-26 to Page 13-27</p> <p>Section 13.8 Summary, Page 13-92; line 22 to Page 13-93; line 3</p>
<p>Section 13.1 Overview and Context Page 149</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>A summary of historic and current use of the area in the vicinity of the Project by Indigenous people over time including consideration of cumulative effects, and practices in the vicinity of the Project with regard to the Indigenous Interests. This summary will include any site-specific use values present in the vicinity of the Project, which are areas identified and/or mapped by Indigenous Nations as having environmental, cultural, spiritual, transportation, subsistence and habitation value.</li> </ul>	<p>Section 13.1 Overview and Context, Page 13-1; line 23 to Page 13-9; line 25; Table 13.1.1 Gitxaala Nation Reserves, Page 13-9 to Page 13-10</p> <p>Section 13.2 Existing Conditions, Page 13-11; line 1 to Page 13-14; line 5</p>
<p>Section 13.2 Existing Conditions Page 150</p>	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>Describe historic and current use of the area in the vicinity of the Project by Indigenous people over time including consideration of cumulative effects.</li> </ul>	<p>Section 13.1 Overview and Context, Page 13-1; line 23 to Page 13-9; line 25; Table 13.1.1 Gitxaala Nation Reserves, Page 13-9 to Page 13-10</p> <p>Section 13.2 Existing Conditions, Page 13-11; line 1 to Page 13-14; line 5</p>
<p>Section 13.2 Existing Conditions Page 150</p>	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>Describe practices in the vicinity of the Project with regard to Indigenous Interests (including reference to specific sites and species of Interests, where applicable).</li> </ul>	<p>Section 13.1 Overview and Context, Page 13-1; line 23 to Page 13-9; line 25; Table 13.1.1 Gitxaala Nation Reserves, Page 13-9 to Page 13-10</p> <p>Section 13.2 Existing Conditions, Page 13-11; line 1 to Page 13-14; line 5</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 13.2 Existing Conditions Page 150</p>	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>• Describe the relative importance of the Project Area, transmission line corridor and surroundings, including any special characteristics or unique features, to Indigenous Interests.</li> </ul>	<p>Section 1.3.1 Infrastructure and Shipping Route, Page 1-5; line 4 to Page 1-6; line 8 Section 1.3.3 Indigenous Territories, Page 1-9; lines 15 to 27 Section 13.1 Overview and Context, Page 13-1; line 23 to Page 13-9; line 25 Table 13.1.1 Gitxaala Nation Reserves, Page 13-9 to Page 13-10 Section 13.1.1 Gitxaala Nation Territory, Page 13-2; lines 5 to 26 Section 13.2 Existing Conditions, Page 13-11; line 1 to Page 13-14; line 5 Section 13.5.6 Assessing Adverse Effects, Page 13-37; line 1 to Page 13-91; line 35</p>
<p>Section 13.3 Summary of Engagement Page 150</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Engagement activities undertaken with the Nation including the timeframe, means, and results of engagement.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 13.3 Gitxaala Nation Summary of Engagement, Page 13-16; line 6 to Page 13-17; line 13 Section 13.7 Gitxaala Nation Views, Page 13-92; lines 10 to 21 Section 13.8 Summary, Page 13-92; line 22 to Page 13-93; line 3 Section 13.8.2 Follow-up Strategy, Page 13-93; lines 14 to 26</p>
<p>Section 13.3 Summary of Engagement Page 150</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Efforts to engage diverse populations of the Nation community in culturally appropriate ways, including Indigenous local group/subgroup (e.g., clan, family) areas within the broader traditional territory, and groups identified by gender, age, or other community relevant factors.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 13.3 Gitxaala Nation Summary of Engagement, Page 13-16; line 6 to Page 13-17; line 13 Section 13.8.2 Follow-up Strategy, Page 13-93; lines 14 to 26</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 13.3 Summary of Engagement Page 150</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ How engagement activities conducted by Cedar support the Nation to understand the Project and its effects on the Nation and its Interests.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 13.3 Gitxaala Nation Summary of Engagement, Page 13-16; line 6 to Page 13-17; line 13 Section 13.8.2 Follow-up Strategy, Page 13-93; lines 14 to 26</p>
<p>Section 13.3 Summary of Engagement Page 150</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ The Nation's views on Cedar's consultation approach and resolution of issues raised when provided.</li> </ul> </li> </ul>	<p>Section 13.3 Gitxaala Nation Summary of Engagement, Page 13-16; line 6 to Page 13-17; line 13 Section 13.7 Gitxaala Nation Views, Page 13-92; lines 10 to 21</p>
<p>Section 13.3 Summary of Engagement Page 150</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ A description of how Cedar responded to questions, comments and issues raised by the Nation, the Nation's perspective on the resolution of issues, how unresolved input has been addressed in the Application, and/or how unresolved input will be addressed through the assessment.</li> </ul> </li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 13.3 Gitxaala Nation Summary of Engagement, Page 13-16; line 6 to Page 13-17; line 13 Section 13.8 Summary, Page 13-92; line 22 to Page 13-93; line 3</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 13.3 Summary of Engagement Page 151</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation's perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Development and collection of baseline information</li> </ul> </li> </ul> </li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 13.1 Overview and Context, Page 13-1; line 23 to Page 13-9; line 25</p> <p>Table 13.1.1 Gitxaala Nation Reserves, Page 13-9 to Page 13-10</p> <p>Section 13.2 Existing Conditions, Page 13-11; line 1 to Page 13-14; line 5</p> <p>Section 13.3 Gitxaala Nation Summary of Engagement, Page 13-16; line 6 to Page 13-17; line 13</p> <p>Section 13.3.1 Key Areas of Concern, Page 13-17; lines 14 to 36</p> <p>Section 13.5.1 Scope of the Assessment, Page 13-18; lines 17 to 29</p>
<p>Section 13.3 Summary of Engagement Page 151</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation's perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Plans for construction, operation, or decommissioning</li> </ul> </li> </ul> </li> </ul>	<p>Section 1.1 Project Context, Page 1-1; line 5 to Page 1-2; line 29</p> <p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 13.3 Gitxaala Nation Summary of Engagement, Page 13-16; line 6 to Page 13-17; line 13</p> <p>Section 13.3.1 Key Areas of Concern, Page 13-17; lines 14 to 36</p> <p>Section 13.8.2 Follow-up Strategy, Page 13-93; lines 14 to 26</p>
<p>Section 13.3 Summary of Engagement Page 151</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation's perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Identification of VCs</li> </ul> </li> </ul> </li> </ul>	<p>Section 13.3.1 Key Areas of Concern, Page 13-17; lines 14 to 36</p> <p>Section 13.5.1 Scope of the Assessment, Page 13-18; lines 17 to 29</p> <p>Section 13.5.2 Preliminary List of Potential Effects, Page 13-21; lines 1 to 15</p> <p>Section 13.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 13-25; lines 20 to 37</p> <p>Table 13.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitxaala Nation Interests, Page 13-26 to Page 13-27 for Gitxaala Nation Interests.</p>



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<p>Section 13.3 Summary of Engagement Page 151</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>Information regarding any arrangement or agreement between Cedar and the Nation for collaboration on the development of the Application or delivery of the Project, subject to confidentiality terms. This includes agreements related to the delivery of studies, capacity funding agreements and agreements regarding the use of Indigenous knowledge.</li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 13.3 Gitxaala Nation Summary of Engagement, Page 13-16; line 6 to Page 13-17; line 13</p>
<p>Section 13.4 Information Sources Page 151</p>	<p>The sources of information used in preparing the assessment of effects on the Indigenous Nation will be clearly identified, noting where information represents the views of the Nation, Cedar or otherwise.</p>	<p>Section 13.4 Information Sources, Page 13-18; lines 1 to 13</p>
<p>Section 13.4 Information Sources Page 151</p>	<p>Information sources that include Indigenous knowledge will be clearly labeled as such.</p>	<p>Section 13.4 Information Sources, Page 13-18; lines 1 to 13</p>
<p>Section 13.4 Information Sources Page 151</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>An outline of the steps taken by Cedar to work with the Indigenous Nation to incorporate Indigenous knowledge including a summary of any agreement with the Nation regarding the use, application and interpretation of Indigenous knowledge (e.g., Memorandum of Understanding).</li> </ul>	<p>Section 13.3 Gitxaala Nation Summary of Engagement, Page 13-16; line 6 to Page 13-17; line 13 Section 13.4 Information Sources, Page 13-18; lines 1 to 13</p>
<p>Section 13.4 Information Sources Page 151</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>Identification of how and when Indigenous Nation were provided the opportunity to confirm that the information sources were appropriate for public disclosure.</li> </ul>	<p>Section 13.3 Gitxaala Nation Summary of Engagement, Page 13-16; line 6 to Page 13-17; line 13 Section 13.4 Information Sources, Page 13-18; lines 1 to 13</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 13.4 Information Sources Page 151</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>A description of how Indigenous knowledge informed the Project design, the assessment, proposed mitigation measures or any other aspect of the assessment.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 13.2 Existing Conditions, Page 13-11; line 1 to Page 13-14; line 5 Section 13.4 Information Sources, Page 13-18; lines 1 to 13 Section 13.5 Assessing Effects on Gitxaala Nation Interests, Page 13-18; line 14 to Page 13-18; line 1 to Page 13-91; line 35</p>
<p>Section 13.4 Information Sources Page 151</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>If applicable, a plan for future cooperation between Cedar and the Nation to further consider Indigenous knowledge in project implementation, for example monitoring and management plans.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 13.4 Information Sources, Page 13-18; lines 1 to 13 Section 13.8.2 Follow-up Strategy, Page 13-93; lines 14 to 26</p>
<p>Section 13.5.1 Scope of the Assessment Page 152</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Identify the potential effects of the proposed Project on Indigenous Interests that will be assessed.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; line 1 to 39 Section 13.5.2 Preliminary List of Potential Effects, Page 13-21; lines 1 to 15 Section 13.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 13-25; lines 20 to 37 Table 13.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitxaala Nation Interests, Page 13-26 to Page 13-27 Section 13.8 Summary, Page 13-92; line 22 to Page 13-93; line 3</p>
<p>Section 13.5.1 Scope of the Assessment Page 152</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe how the Indigenous interest was identified, through engagement with the Indigenous Nation or otherwise.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; line 1 to 39 Section 13.1 Overview and Context, Page 13-1; line 23 to Page 13-9; line 25; Table 13.1.1 Gitxaala Nation Reserves, Page 13-9 to Page 13-10 Section 13.3 Gitxaala Nation Summary of Engagement, Page 13-16; line 6 to Page 13-17; line 13 Section 13.4 Information Sources, Page 13-18; lines 1 to 13 Section 13.5.2 Preliminary List of Potential Effects, Page 13-21; lines 1 to 15</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 13.5.1 Scope of the Assessment Page 152 (cont'd)	(see above)	(cont'd from above) Section 13.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 13-25; lines 20 to 37 Table 13.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitxaala Nation Interests, Page 13-26 to Page 13-27 Section 13.8 Summary, Page 13-92; line 22 to Page 13-93; line 3
Section 13.5.1 Scope of the Assessment Page 152	The Application will: <ul style="list-style-type: none"> <li>Summarize the VCs used in the assessment of effects on the Indigenous interest and whether they were carried forward from Section 6.1 or developed specifically for the assessment of the Indigenous interest.</li> </ul>	Section 13.5.1 Scope of the Assessment, Page 13-18; lines 17 to 29
Section 13.5.1 Scope of the Assessment Page 152	The Application will: <ul style="list-style-type: none"> <li>Describe linkages with other Indigenous Interests</li> </ul>	Section 13.5.1 Scope of the Assessment, Page 13-18; lines 17 to 29
Section 13.5.3 Assessment Boundaries Page 152	The Application will define the assessment boundaries for assessing the effects on the Indigenous interest, including spatial and temporal boundaries, with reference to the spatial and temporal boundaries used for the VC assessments in Section 7.0, as applicable.	Section 13.5.3 Assessment Boundaries, Page 13-21; line 16 to Page 13-24; line 17
Section 13.5.2 Assessment Boundaries Page 152	Where relevant, administrative and technical boundaries will also be identified.	Section 13.5.3.3 Assessment of Administrative and Technical Boundaries, Page 13-24; line 18 to Page 13-25; Line 10



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 13.5.3 Effects Assessment Page 152</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>○ Biophysical (e.g., effects to wildlife and habitat)</li> </ul> </li> </ul>	<p>Section 13.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 13-25; lines 20 to 37</p> <p>Table 13.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitxaala Nation Interests, Page 13-26 to Page 13-27</p> <p>Section 13.5.6.1 Changes that affect Gitxaala Nation's Harvesting – Project Pathways, Page 13-39; line 7 to Page 13-40; line 6</p> <p>Section 13.8 Summary, Page 13-92; line 22 to Page 13-93; line 3</p>
<p>Section 13.5.3 Effects Assessment Page 152</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>○ Related to the ability to use and access Crown lands and waters</li> </ul> </li> </ul>	<p>Section 13.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 13-25; lines 20 to 37</p> <p>Table 13.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitxaala Nation Interests, Page 13-26 to Page 13-27</p> <p>Section 13.5.6.3 Changes that affect Gitxaala Nation Governance – Project Pathways, Page 13-57; line 31 to Page 13-58; line 23</p> <p>Section 11.5.6.4 Changes to Gitxaala Nation Title and Rights, Page 13-72; line 31 to Page 13-73; line 6</p> <p>Section 13.8 Summary, Page 13-92; line 22 to Page 13-93; line 3</p>
<p>Section 13.5.3 Effects Assessment Page 152</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>○ Cultural/experiential (e.g., presence of industrial activity disrupts peaceful enjoyment)</li> </ul> </li> </ul>	<p>Section 13.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 13-25; lines 20 to 37</p> <p>Table 13.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitxaala Nation Interests, Page 13-26 to Page 13-27</p> <p>Section 13.5.6.1 Changes that affect Gitxaala Nation's Harvesting – Project Pathways, Page 13-39; line 7 to Page 13-40; line 6</p> <p>Section 13.5.6.2 Changes that affect Gitxaala Nation's Sacred Places – Project Pathways, Page 13-49; lines 11 to 26</p> <p>Section 13.5.6.4 Changes that affect Gitxaala Nation's Cultural Identity – Project Pathways, Page 13-66; lines 5 to 33</p> <p>Section 13.8 Summary, Page 13-92; line 22 to Page 13-93; line 3</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 13.5.3 Effects Assessment Page 152	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Identification of effects to be carried forward from pathways determined to be consequential or requiring mitigation.</li> </ul>	<p>Section 13.5.4.2 Project Interactions, Page 13-28; lines 1 to 35</p> <p>Table 13.5.3 Potential Project Interactions with Gitxaala Nation Interests, Page 13-29 to Page 13-30</p>
Section 13.5.3 Effects Assessment Page 152	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of VCs and indicators used to assess effects carried forward.</li> </ul>	<p>Section 13.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 13-25; lines 20 to 37</p> <p>Table 13.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Gitxaala Nation Interests, Page 13-26 to Page 13-27</p>
Section 13.5.3 Effects Assessment Page 152	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of any assessment methods and analysis used to undertake the assessment of effects to the Indigenous interest.</li> </ul>	<p>Section 13.5.4.3 Assessment Methods, Page 13-31; line 1 to Page 13-34; line 13</p>
Section 13.5.4 Mitigation and Enhancement Measures Page 153	<p>The Application will include information regarding:</p> <ul style="list-style-type: none"> <li>• Project design and mitigations identified for the relevant VCs that are proposed to mitigate effects on Indigenous Interests.</li> </ul>	<p>Section 13.5.5 Mitigation and Enhancement Measures, Page 13-34; lines 14 to 23</p> <p>Table 13.5.5 Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Gitxaala Nation, Page 13-35 to Page 13-36</p>
Section 13.5.4 Mitigation and Enhancement Measures Page 153	<p>The Application will include information regarding:</p> <ul style="list-style-type: none"> <li>• Additional mitigations and enhancement measures that are specific to the Indigenous Nation or Indigenous interest.</li> </ul>	<p>Section 13.5.5 Mitigation and Enhancement Measures, Page 13-34; lines 14 to 23</p> <p>Table 13.5.5 Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Gitxaala Nation, Page 13-35 to Page 13-36</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 13.5.4 Mitigation and Enhancement Measures Page 153	The Application will include information regarding: <ul style="list-style-type: none"> <li>Proposed monitoring initiatives or review processes related to the effect on the Indigenous interest, as applicable.</li> </ul>	Section 13.5.5 Mitigation and Enhancement Measures, Page 13-34; lines 14 to 23 Table Section 13.5.5 Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Gitxaala Nation, Page 13-35 to Page 13-36 Section 13.5.7 Characterization of Residual Effects, Page 13-73; lines 7 to 31
Section 13.5.4 Mitigation and Enhancement Measures Page 153	Perspectives on the effectiveness of the mitigation options will be presented as well as the relative level of uncertainty or risk associated with the mitigation option(s).	Section 13.5.5 Mitigation and Enhancement Measures, Page 13-34; lines 14 to 23 Table 13.5.5 Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Gitxaala Nation, Page 13-35 to Page 13-36 Section 13.7 Gitxaala Nation Views, Page 13-92; lines 10 to 21
Section 13.5.5 Assessing Adverse Effects Page 153	The Application will provide a detailed description of the assessment of adverse effects to Indigenous Interests that are anticipated as a result of the Project, and present the results of this assessment, after taking mitigation into account.	Section 13.5.6.1 Changes that affect Gitxaala Nation's Harvesting, Page 13-37; line 1 to Page 13-48; line 12 Section 13.5.6.2 Changes that affect Gitxaala Nation's Sacred Places, Page 13-48; line 13 to Page 13-56; line 4 Section 13.5.6.3 Changes that affect Gitxaala Nation Governance, Page 13-56; line 5 to Page 13-64; line 22 Section 13.5.6.4 Changes that affect Gitxaala Nation's Cultural Identity, Page 13-64; line 23 to Page 13-72; line 30 Section 13.5.6.5 Changes to Gitxaala Nation Title and Rights, Page 13-72; line 31 to Page 13-73; line 6 Section 13.5.7 Characterization of Residual Effects, Page 13-73; lines 7 to 31
Section 13.5.5 Assessing Adverse Effects Page 153	It will describe proposed monitoring initiatives or review processes related to the effect on Indigenous interest.	Section 13.5.5 Mitigation and Enhancement Measures, Page 13-34; lines 14 to 23 Table 13.5.5 Mitigation and/or Enhancement Measures, Review Process and Monitoring Initiatives for Gitxaala Nation, Page 13-35 to Page 13-36 Section 13.5.7 Characterization of Residual Effects, Page 13-73; lines 7 to 31



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 13.5.6 Characterization of Residual Effects Page 153</p>	<p>The Application will provide a characterization of residual effects of the Project to the Indigenous interest.</p>	<p>Section 13.5.6.1 Changes that affect Gitxaala Nation's Harvesting – Characterization of Project Residual Effects, Page 13-47; line 1 to Page 13-48; line 12</p> <p>Section 13.5.6.2 Changes that affect Gitxaala Nation's Sacred Places – Characterization of Project Residual Effects, Page 13-55; line 1 to Page 13-56; line 4</p> <p>Section 13.5.6.3 Changes that affect Gitxaala Nation Governance – Characterization of Project Residual Effects, Page 13-63; line 1 to Page 13-64; line 22</p> <p>Section 13.5.6.4 Changes that affect Gitxaala Nation's Cultural Identity – Characterization of Project Residual Effects, Page 13-71; line 1 to Page 13-72; line 30</p> <p>Section 13.5.7 Characterization of Residual Effects, Page 13-73; lines 7 to 31</p>
<p>Section 13.5.6 Characterization of Residual Effects Page 153</p>	<p>This will include information on the socio-cultural context of the Indigenous interest and the potential for effects on the broader social, economic, health status of the Nation from residual effects to Indigenous interest.</p>	<p>Section 13.5.6.1 Changes that affect Gitxaala Nation's Harvesting, Page 13-37; line 1 to Page 13-48; line 12</p> <p>Section 13.5.6.2 Changes that affect Gitxaala Nation's Sacred Places, Page 13-48; line 13 to Page 13-56; line 4</p> <p>Section 13.5.6.3 Changes that affect Gitxaala Nation Governance, Page 13-56; line 5 to Page 13-64; line 22</p> <p>Section 13.5.6.4 Changes that affect Gitxaala Nation's Cultural Identity, Page 13-64; line 23 to Page 13-72; line 30</p> <p>Section 13.5.6.5 Changes to Gitxaala Nation Title and Rights, Page 13-72; line 31 to Page 13-73; line 6</p> <p>Section 13.5.7 Characterization of Residual Effects, Page 13-73; lines 7 to 31</p>
<p>Section 13.5.7 Cumulative Effects Page 153</p>	<p>The Application will include an assessment of the Project's contribution to cumulative effects on the Indigenous interest and identify any additional mitigation measures.</p>	<p>Section 13.5.8 Cumulative Effects, Page 13-75; line 1 to Page 13-90; line 29</p>
<p>Section 13.5.7 Cumulative Effects Page 153</p>	<p>The Application will describe the likelihood of any adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.</p>	<p>Section 13.5.8.4 Residual Cumulative Effects on Gitxaala Nation's Interest, Page 13-90; line 30 to Page 13-91; line 30</p> <p>Section 13.5.8.5 Likelihood of Residual Cumulative Effects, Page 13-91; lines 31 to 35</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 13.6 Assessing Positive Effects Page 153	The Application will describe any positive effects to Indigenous Interests or the Nation overall that are anticipated as a result of the Project and its associated effects management approaches.	Section 13.6 Assessing Positive Effects, Page 13-92; lines 1 to 9
Section 13.7 Gitxaala Nation Views Page 154	The Application will describe how Cedar engaged with the Indigenous Nation, including any collaboration with the Indigenous Nation, or integrated the Nation's perspectives into, the assessment of effects on Indigenous Interests, including both positive and adverse effects.	Section 13.7 Gitxaala Nation Views, Page 13-92; lines 10 to 21
Section 13.7 Gitxaala Nation Views Page 154	The Application will clearly state any views of the Nation on the potential positive and/or adverse effects identified, approach to effects management, residual effects, and conclusions.	Section 13.7 Gitxaala Nation Views, Page 13-92; lines 10 to 21
Section 13.8 Summary Page 154	The Application will include a summary of the assessment for the Indigenous Nation outlining the residual effects on Indigenous Interests for the EAO to consider when determining the overall seriousness of impact to the Indigenous Interests, outline any major points of agreement or disagreement with the Nation, and describe efforts taken to address any points of disagreement.	Section 13.5.7 Characterization of Residual Effects, Page 13-73; lines 7 to 31 Section 13.8 Summary, Page 13-92; line 22 to Page 13-93; line 3
Section 14.0 Kitselas First Nation Page 154	The Application will include an assessment of the effects of the Project on Kitselas First Nation Interests as described in Section 6.0, or following other assessment methods developed in consultation with Kitselas First Nation.	Section 14.5 Assessing Effects on Kitselas First Nation Interests, Page 14-13; line 15 to Page 14-82; line 37 Section 14.6 Assessing Positive Effects, Page 14-83; lines 1 to 9
Section 14.0 Kitselas First Nation Page 154	The assessment in the Application will be informed by engagement with Kitselas First Nation.	Section 14.3 Kitselas First Nation Summary of Engagement, Page 14-11; line 27 to Page 14-12; line 22



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 14.0 Kitselas First Nation Page 154</p>	<p>Approach to the assessment will consider input provided by Kitselas First Nation on the incorporation of Nation-specific VCs, when provided.</p>	<p>Section 14.3.1 Key Areas of Concern, Page 14-12; line 23 to Page 14-13; line 2 Section 14.5.2 Preliminary List of Potential Effects, Page 14-17; lines 1 to 9 Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 14-21; lines 17 to 33 Table 14.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitselas First Nation Interests, Page 14-22 to Page 14-23 Section 14.8 Summary, Page 14-83; lines 23 to 36</p>
<p>Section 14.0 Kitselas First Nation Page 155</p>	<p>Each Indigenous interest will be assessed under its own section, unless analysis and supporting information is similar, in which case two or more may be combined in the same subsection.</p>	<p>Section 14.5.6 Assessing Adverse Effects, Page 14-33; line 1 to Page 14-82; line 37</p>
<p>Section 14.1 Overview and Context Page 155</p>	<p>The Application will include background information on each Indigenous Nation including ethnography, language, governance, economy, population, communities, Reserves, Indigenous land use plans (with reference to Section 2.3 as applicable), health and social conditions and other contextual information the Nation provides to Cedar and identifies as important to understanding the impacts of the Project on their Nation.</p>	<p>Section 14.1 Overview and Context, Page 14-1; line 21 to Page 14-8; line 16 Table 14.1.1 Kitselas First Nation Reserves, Page 14-8 Section 14.2 Existing Conditions, Page 14-9; line 1 to Page 14-11; line 26</p>
<p>Section 14.1 Overview and Context Page 155</p>	<p>The assessment for each Indigenous Nation will include an overview of the understanding of Indigenous Interests in the area that could be affected by the Project.</p>	<p>Section 14.1 Overview and Context, Page 14-1; line 21 to Page 14-8; line 16; Table 14.1.1 Kitselas First Nation Reserves, Page 14-8 Section 14.2 Existing Conditions, Page 14-9; line 1 to Page 14-11; line 26 Section 14.5.2 Preliminary List of Potential Effects, Page 14-17; lines 1 to 9 Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 14-21; lines 17 to 33 Table 14.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitselas First Nation Interests, Page 14-22 to Page 14-23 Section 14.8 Summary, Page 14-83; lines 23 to 36</p>

AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 14.1 Overview and Context Page 155</p>	<p>Indigenous Interests will include impacts to Aboriginal or treaty rights recognized and affirmed by section 35 of the <i>Constitution Act</i>, 1982 as well as any other Interests identified by the Nation.</p>	<p>Section 14.1 Overview and Context, Page 14-1; line 21 to Page 14-8; line 16 Table 14.1.1 Kitselas First Nation Reserves, Page 14-8 Section 14.2 Existing Conditions, Page 14-9; line 1 to Page 14-11; line 26 Section 14.5.2 Preliminary List of Potential Effects, Page 14-17; lines 1 to 9 Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 14-21; lines 17 to 33 Table 14.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitselas First Nation Interests, Page 14-22 to Page 14-23 Section 14.8 Summary, Page 14-83; lines 23 to 36</p>
<p>Section 14.1 Overview and Context Page 155</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ How Indigenous laws, governance or customs apply to this area, including how those processes may have evolved over time, and how they should be used to review the potential impacts of the Project on Indigenous Interests.</li> </ul> </li> </ul>	<p>Section 14.1.2 Ethnography, Page 14-2; lines 22 to 39 Section 14.1.5 Governance, Page 14-4; line 12 to Page 14-5; line 6</p>
<p>Section 14.1 Overview and Context Page 155</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ Indigenous laws, customs, or requirements for the area including any existing Indigenous land use plans.</li> </ul> </li> </ul>	<p>Section 2.3 Land and Marine Use Plans, Page 2-8; line 22 to Page 2-11; line 4 Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-12; line 27 Section 14.1.2 Ethnography, Page 14-2; lines 22 to 39 Section 14.1.4 Planning Initiatives and Land Use Plans, Page 14-3; line 9 to Page 14-14-4; line 11 Section 14.1.5 Governance, Page 14-4; line 12 to Page 14-5; line 6</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 14.1 Overview and Context Page 155</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ Agreements with other Nations regarding governance of areas of territory overlap, as relevant to the Project.</li> </ul> </li> </ul>	<p>Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-12; line 27 Section 14.1.4 Planning Initiatives and Land Use Plans, Page 14-3; line 9 to Page 14-14-4; line 11 Section 14.1.5 Governance, Page 14-4; line 12 to Page 14-5; line 6</p>
<p>Section 14.1 Overview and Context Page 155</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• A list of the Indigenous Interests that may be impacted by the Project.</li> </ul>	<p>Section 14.5.2 Preliminary List of Potential Effects, Page 14-17; lines 1 to 9 Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 14-21; lines 17 to 33 Table 14.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitselas First Nation Interests, Page 14-22 to Page 14-23 Section 14.8 Summary, Page 14-83; lines 23 to 36</p>
<p>Section 14.1 Overview and Context Page 155</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• A summary of historic and current use of the area in the vicinity of the Project by Indigenous people over time including consideration of cumulative effects, and practices in the vicinity of the Project with regard to the Indigenous Interests. This summary will include any site-specific use values present in the vicinity of the Project, which are areas identified and/or mapped by Indigenous Nations as having environmental, cultural, spiritual, transportation, subsistence and habitation value.</li> </ul>	<p>Section 14.1 Overview and Context, Page 14-1; line 21 to Page 14-8; line 16; Table 14.1.1 Kitselas First Nation Reserves, Page 14-8 Section 14.2 Existing Conditions, Page 14-9; line 1 to Page 14-11; line 26</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 14.2 Existing Conditions Page 156	As applicable and to the extent that information is available, the Application will: <ul style="list-style-type: none"> <li>Describe historic and current use of the area in the vicinity of the Project by Indigenous people over time including consideration of cumulative effects.</li> </ul>	Section 14.1 Overview and Context, Page 14-1; line 21 to Page 14-8; line 16 Table 14.1.1 Kitselas First Nation Reserves, Page 14-8 Section 14.2 Existing Conditions, Page 14-9; line 1 to Page 14-11; line 26
Section 14.2 Existing Conditions Page 156	As applicable and to the extent that information is available, the Application will: <ul style="list-style-type: none"> <li>Describe practices in the vicinity of the Project with regard to Indigenous Interests (including reference to specific sites and species of Interests, where applicable).</li> </ul>	Section 14.1 Overview and Context, Page 14-1; line 21 to Page 14-8; line 16 Table 14.1.1 Kitselas First Nation Reserves, Page 14-8 Section 14.2 Existing Conditions, Page 14-9; line 1 to Page 14-11; line 26
Section 14.2 Existing Conditions Page 156	As applicable and to the extent that information is available, the Application will: <ul style="list-style-type: none"> <li>Describe the relative importance of the Project Area, transmission line corridor and surroundings, including any special characteristics or unique features, to Indigenous Interests.</li> </ul>	Section 1.3.1 Infrastructure and Shipping Route, Page 1-5; line 4 to Page 1-6; line 8 Section 1.3.3 Indigenous Territories, Page 1-9; lines 15 to 27 Section 14.1 Overview and Context, Page 14-1; line 21 to Page 14-8; line 16 Table 14.1.1 Kitselas First Nation Reserves, Page 14-8 Section 14.1.1 Kitselas First Nation Traditional Territory, Page 14-2; line 1 to line 21 Section 14.2 Existing Conditions, Page 14-9; line 1 to Page 14-11; line 26 Section 14.5.6 Assessing Adverse Effects, Page 14-33; line 1 to Page 14-82; line 37
Section 14.3 Summary of Engagement Page 156	The Application will include: <ul style="list-style-type: none"> <li>A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>Engagement activities undertaken with the Nation including the timeframe, means, and results of engagement.</li> </ul> </li> </ul>	Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 14.3 Kitselas First Nation Summary of Engagement, Page 14-11; line 27 to Page 14-12; line 22 Section 14.8 Summary, Page 14-83; lines 23 to 36 Section 14.8.2 Follow-up Strategy, Page 14-84; lines 14 to 26



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 14.3 Summary of Engagement Page 156	The Application will include: <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including:                             <ul style="list-style-type: none"> <li>○ Efforts to engage diverse populations of the Nation community in culturally appropriate ways, including Indigenous local group/subgroup (e.g., clan, family) areas within the broader traditional territory, and groups identified by gender, age, or other community relevant factors.</li> </ul> </li> </ul>	Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 14.3 Kitselas First Nation Summary of Engagement, Page 14-11; line 27 to Page 14-12; line 22 Section 14.8.2 Follow-up Strategy, Page 14-84; lines 14 to 26
Section 14.3 Summary of Engagement Page 156	The Application will include: <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including:                             <ul style="list-style-type: none"> <li>○ How engagement activities conducted by Cedar support the Nation to understand the Project and its effects on the Nation and its Interests.</li> </ul> </li> </ul>	Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 14.3 Kitselas First Nation Summary of Engagement, Page 14-11; line 27 to Page 14-12; line 22 Section 14.8.2 Follow-up Strategy, Page 14-84; lines 14 to 26
Section 14.3 Summary of Engagement Page 156	The Application will include: <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including:                             <ul style="list-style-type: none"> <li>○ The Nation's views on Cedar's consultation approach and resolution of issues raised when provided.</li> </ul> </li> </ul>	Section 14.3 Kitselas First Nation Summary of Engagement, Page 14-11; line 27 to Page 14-12; line 22 Section 14.7 Kitselas First Nation Views, Page 14-83; lines 10 to 22



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 14.3 Summary of Engagement Page 156</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ A description of how Cedar responded to questions, comments and issues raised by the Nation, the Nation's perspective on the resolution of issues, how unresolved input has been addressed in the Application, and/or how unresolved input will be addressed through the assessment.</li> </ul> </li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 14.3 Kitselas First Nation Summary of Engagement, Page 14-11; line 27 to Page 14-12; line 22</p> <p>Section 14.8 Summary, Page 14-83; lines 23 to 36</p>
<p>Section 14.3 Summary of Engagement Page 157</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation's perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Development and collection of baseline information</li> </ul> </li> </ul> </li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 14.1 Overview and Context, Page 14-1; line 21 to Page 14-8; line 16</p> <p>Table 14.1.1 Kitselas First Nation Reserves, Page 14-8</p> <p>Section 14.2 Existing Conditions, Page 14-9; line 1 to Page 14-11; line 26</p> <p>Section 14.3 Kitselas First Nation Summary of Engagement, Page 14-11; line 27 to Page 14-12; line 22</p> <p>Section 14.3.1 Key Areas of Concern, Page 14-12; line 23 to Page 14-13; line 2</p> <p>Section 14.5.1 Scope of the Assessment, Page 14-13; line 18 to Page 14-14; line 4</p>
<p>Section 14.3 Summary of Engagement Page 157</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation's perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Plans for construction, operation, or decommissioning</li> </ul> </li> </ul> </li> </ul>	<p>Section 1.1 Project Context, Page 1-1; line 5 to Page 1-2; line 29</p> <p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 14.3 Kitselas First Nation Summary of Engagement, Page 14-11; line 27 to Page 14-12; line 22</p> <p>Section 14.3.1 Key Areas of Concern, Page 14-12; line 23 to Page 14-13; line 2</p> <p>Section 14.8.2 Follow-up Strategy, Page 14-84; lines 14 to 26</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 14.3 Summary of Engagement Page 157</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation’s perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Identification of VCs</li> </ul> </li> </ul> </li> </ul>	<p>Section 14.3.1 Key Areas of Concern, Page 14-12; line 23 to Page 14-13; line 2 Section 14.5.1 Scope of the Assessment, Page 14-13; line 18 to Page 14-14; line 4 Section 14.5.2 Preliminary List of Potential Effects, Page 14-17; lines 1 to 9 Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 14-21; lines 17 to 33 Table 14.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitselas First Nation Interests, Page 14-22 to Page 14-23</p>
<p>Section 14.3 Summary of Engagement Page 157</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• Information regarding any arrangement or agreement between Cedar and the Nation for collaboration on the development of the Application or delivery of the Project, subject to confidentiality terms. This includes agreements related to the delivery of studies, capacity funding agreements and agreements regarding the use of Indigenous knowledge.</li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 14.3 Kitselas First Nation Summary of Engagement, Page 14-11; line 27 to Page 14-12; line 22</p>
<p>Section 14.4 Information Sources Page 157</p>	<p>The sources of information used in preparing the assessment of effects on the Indigenous Nation will be clearly identified, noting where information represents the views of the Nation, Cedar or otherwise.</p>	<p>Section 14.4 Information Sources, Page 14-13; lines 3 to 14</p>
<p>Section 14.4 Information Sources Page 157</p>	<p>Information sources that include Indigenous knowledge will be clearly labeled as such.</p>	<p>Section 14.4 Information Sources, Page 14-13; lines 3 to 14</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 14.4 Information Sources Page 157</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>An outline of the steps taken by Cedar to work with the Indigenous Nation to incorporate Indigenous knowledge including a summary of any agreement with the Nation regarding the use, application and interpretation of Indigenous knowledge (e.g., Memorandum of Understanding).</li> </ul>	<p>Section 14.3 Kitselas First Nation Summary of Engagement, Page 14-11; line 27 to Page 14-12; line 22</p> <p>Section 14.4 Information Sources, Page 14-13; lines 3 to 14</p>
<p>Section 14.4 Information Sources Page 157</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>Identification of how and when Indigenous Nation were provided the opportunity to confirm that the information sources were appropriate for public disclosure.</li> </ul>	<p>Section 14.3 Kitselas First Nation Summary of Engagement, Page 14-11; line 27 to Page 14-12; line 22</p> <p>Section 14.4 Information Sources, Page 14-13; lines 3 to 14</p>
<p>Section 14.4 Information Sources Page 157</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>A description of how Indigenous knowledge informed the Project design, the assessment, proposed mitigation measures or any other aspect of the assessment.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 6.5 Existing Conditions, Page 6-9; line 25 to Page 6-11; line 26</p> <p>Section 14.4 Information Sources, Page 14-13; lines 3 to 14</p> <p>Section 14.5 Assessing Effects on Kitselas First Nation Interests, Page 14-13; line 15 to Page 14-82; line 37</p>
<p>Section 14.4 Information Sources Page 157</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>If applicable, a plan for future cooperation between Cedar and the Nation to further consider Indigenous knowledge in project implementation, for example monitoring and management plans.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 14.4 Information Sources, Page 14-13; lines 3 to 14</p> <p>Section 14.8.2 Follow-Up Strategy, Page 14-84; lines 14 to 26</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 14.5.1 Scope of the Assessment Page 158</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Identify the potential effects of the proposed Project on Indigenous Interests that will be assessed.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; line 1 to 39 Section 14.5.2 Preliminary List of Potential Effects, Page 14-17; lines 1 to 9 Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 14-21; lines 17 to 33 Table 14.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitselas First Nation Interests, Page 14-22 to Page 14-23 Section 14.8 Summary, Page 14-83; lines 23 to 36</p>
<p>Section 14.5.1 Scope of the Assessment Page 158</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe how the Indigenous interest was identified, through engagement with the Indigenous Nation or otherwise.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; line 1 to 39 Section 14.1 Overview and Context, Page 14-1; line 21 to Page 14-8; line 16; Table 14.1.1 Kitselas First Nation Reserves, Page 14-8 Section 14.3 Kitselas First Nation Summary of Engagement, Page 14-11; line 27 to Page 14-12; line 22 Section 14.4 Information Sources, Page 14-13; lines 3 to 14 Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 14-21; lines 17 to 33 Table 14.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitselas First Nation Interests, Page 14-22 to Page 14-23 Section 14.8 Summary, Page 14-83; lines 23 to 36</p>
<p>Section 14.5.1 Scope of the Assessment Page 158</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Summarize the VCs used in the assessment of effects on the Indigenous interest and whether they were carried forward from Section 6.1 or developed specifically for the assessment of the Indigenous interest.</li> </ul>	<p>Section 14.5.1 Scope of the Assessment, Page 14-13; line 18 to Page 14-14; line 4</p>

AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 14.5.1 Scope of the Assessment Page 158	<p>The Application will:</p> <ul style="list-style-type: none"> <li>• Describe linkages with other Indigenous Interests</li> </ul>	Section 14.5.1 Scope of the Assessment, Page 14-13; line 18 to Page 14-14; line 4
Section 14.5.2 Assessment Boundaries Page 158	<p>The Application will define the assessment boundaries for assessing the effects on the Indigenous interest, including spatial and temporal boundaries, with reference to the spatial and temporal boundaries used for the VC assessments in Section 7.0, as applicable.</p>	Section 14.5.3 Assessment Boundaries, Page 14-17; line 10 to Page 14-20; line 17
Section 14.5.2 Assessment Boundaries Page 158	<p>Where relevant, administrative and technical boundaries will also be identified.</p>	Section 14.5.3.3 Administrative and Technical Boundaries, Page 14-20; line 18 to Page 14-21; line 5
Section 14.5.3 Effects Assessment Page 158	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>○ Biophysical (e.g., effects to wildlife and habitat)</li> </ul> </li> </ul>	<p>Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 14-21; lines 17 to 33</p> <p>Table 14.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitselas First Nation Interests, Page 14-22 to Page 14-23</p> <p>Section 14.5.6.1 Changes in Consumption and Harvest – Project Pathways, Page 14-34; lines 1 to 38</p> <p>Section 14.8 Summary, Page 14-83; lines 23 to 36</p>
Section 14.5.3 Effects Assessment Page 158	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>○ Related to the ability to use and access Crown lands and waters</li> </ul> </li> </ul>	<p>Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 14-21; lines 17 to 33</p> <p>Table 14.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitselas First Nation Interests, Page 14-22 to Page 14-23</p> <p>Section 14.5.6.3 Changes that Affect Kitselas First Nation Governance – Project Pathways, Page 14-53; lines 18 to 42</p> <p>Section 14.5.6.4 Changes to Aboriginal Title and Rights, Page 14-62; lines 17 to 34</p> <p>Section 14.8 Summary, Page 14-83; lines 23 to 36</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 14.5.3 Effects Assessment Page 158</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>○ Cultural/experiential (e.g., presence of industrial activity disrupts peaceful enjoyment)</li> </ul> </li> </ul>	<p>Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 14-21; lines 17 to 33</p> <p>Table 14.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitselas First Nation Interests, Page 14-22 to Page 14-23</p> <p>Section 14.5.6.1 Changes in Consumption and Harvest – Project Pathways, Page 14-34; lines 1 to 38</p> <p>Section 14.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features – Project Pathways, Page 14-45; lines 7 to 26</p> <p>Section 14.8 Summary, Page 14-83; lines 23 to 36</p>
<p>Section 14.5.3 Effects Assessment Page 158</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Identification of effects to be carried forward from pathways determined to be consequential or requiring mitigation.</li> </ul>	<p>Section 14.5.4.2 Project Interactions, Page 14-24; lines 1 to 37; Table 14.5.3 Potential Project Interactions with Kitselas First Nation Interests, Page 14-25 to Page 14-26</p>
<p>Section 14.5.3 Effects Assessment Page 158</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of VCs and indicators used to assess effects carried forward.</li> </ul>	<p>Section 11.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 14-21; lines 17 to 33</p> <p>Table 14.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitselas First Nation Interests, Page 14-22 to Page 14-23</p>
<p>Section 14.5.3 Effects Assessment Page 158</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of any assessment methods and analysis used to undertake the assessment of effects to the Indigenous interest.</li> </ul>	<p>Section 14.5.4.3 Assessment Methods, Page 14-26; line 1 to Page 14-29; line 36</p>
<p>Section 14.5.4 Mitigation and Enhancement Measures Page 123</p>	<p>The Application will include information regarding:</p> <ul style="list-style-type: none"> <li>• Project design and mitigations identified for the relevant VCs that are proposed to mitigate effects on Indigenous Interests.</li> </ul>	<p>Section 14.5.5 Mitigation and Enhancement Measures, Page 14-30; lines 1 to 10</p> <p>Table 14.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Kitselas First Nation, Page 14-31</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 14.5.4 Mitigation and Enhancement Measures Page 159	The Application will include information regarding: <ul style="list-style-type: none"> <li>Additional mitigations and enhancement measures that are specific to the Indigenous Nation or Indigenous interest.</li> </ul>	Section 14.5.5 Mitigation and Enhancement Measures, Page 14-30; lines 1 to 10 Table 14.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Kitselas First Nation, Page 14-31
Section 14.5.4 Mitigation and Enhancement Measures Page 159	The Application will include information regarding: <ul style="list-style-type: none"> <li>Proposed monitoring initiatives or review processes related to the effect on the Indigenous interest, as applicable.</li> </ul>	Section 14.5.5 Mitigation and Enhancement Measures, Page 14-30; lines 1 to 10 Table 14.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Kitselas First Nation, Page 14-31 Section 14.5.7 Characterization of Residual Effects, Page 14-63; lines 1 to 30
Section 14.5.4 Mitigation and Enhancement Measures Page 159	Perspectives on the effectiveness of the mitigation options will be presented as well as the relative level of uncertainty or risk associated with the mitigation option(s).	Section 14.5.5 Mitigation and Enhancement Measures, Page 14-30; lines 1 to 10 Table 14.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Kitselas First Nation, Page 14-31 Section 14.7 Kitselas First Nation Views, Page 14-83; lines 10 to 22
Section 14.5.5 Assessing Adverse Effects Page 159	The Application will provide a detailed description of the assessment of adverse effects to Indigenous Interests that are anticipated as a result of the Project, and present the results of this assessment, after taking mitigation into account.	Section 14.5.6.1 Changes in Consumption and Harvest, Page 14-33; line 10 to Page 14-44; line 14 Section 14.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features, Page 14-44; line 15 to Page 14-52; line 12 Section 14.5.6.3 Changes that Affect Kitselas First Nation Governance, Page 14-52; line 13 to Page 14-62; line 16 Section 14.5.6.4 Changes to Aboriginal Title and Rights, Page 14-62; lines 17 to 34 Section 14.5.7 Characterization of Residual Effects, Page 14-63; lines 1 to 30
Section 14.5.5 Assessing Adverse Effects Page 159	It will describe proposed monitoring initiatives or review processes related to the effect on Indigenous interest.	Section 14.5.5 Mitigation and Enhancement Measures, Page 14-30; lines 1 to 10 Table 14.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Kitselas First Nation, Page 14-31 Section 14.5.7 Characterization of Residual Effects, Page 14-63; lines 1 to 30



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 14.5.6 Characterization of Residual Effects Page 159	The Application will provide a characterization of residual effects of the Project to the Indigenous interest.	Section 14.5.6 Assessing Adverse Effects, Page 14-33; line 1 to Page 14-82; line 37 Section 14.5.6.1 Changes in Consumption and Harvest – Characterization of Project Residual Effects, Page 14-43; line 1 to Page 14-44; line 14 Section 14.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features – Characterization of Project Residual Effects, Page 14-51; line 1 to Page 14-52; line 12 Section 14.5.6.3 Changes that Affect Kitselas First Nation Governance – Characterization of Project Residual Effects, Page 14-61; line 1 to Page 14-62; line 16 Section 14.5.7 Characterization of Residual Effects, Page 14-63; lines 1 to 30
Section 14.5.6 Characterization of Residual Effects Page 159	This will include information on the socio-cultural context of the Indigenous interest and the potential for effects on the broader social, economic, health status of the Nation from residual effects to Indigenous interest.	Section 14.5.6.1 Changes in Consumption and Harvest, Page 14-33; line 10 to Page 14-44; line 14 Section 14.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features, Page 14-44; line 15 to Page 14-52; line 12 Section 14.5.6.3 Changes that Affect Kitselas First Nation Governance, Page 14-52; line 13 to Page 14-62; line 16 Section 14.5.6.4 Changes to Aboriginal Title and Rights, Page 14-62; lines 17 to 34 Section 14.5.7 Characterization of Residual Effects, Page 14-63; lines 1 to 30
Section 14.5.7 Cumulative Effects Page 159	The Application will include an assessment of the Project’s contribution to cumulative effects on the Indigenous interest and identify any additional mitigation measures.	Section 14.5.8 Cumulative Effects, Page 14-66; line 1 to Page 14-81; line 29
Section 14.5.7 Cumulative Effects Page 159	The Application will describe the likelihood of any adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 14.5.8.4. Residual Cumulative Effects on Kitselas First Nation Interests, Page 14-81; line 30 to Page 14-82; line 32 Section 14.5.8.5 Likelihood of Residual Cumulative Effects, Page 14-82; lines 33 to 37



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 14.6 Assessing Positive Effects Page 159	The Application will describe any positive effects to Indigenous Interests or the Nation overall that are anticipated as a result of the Project and its associated effects management approaches.	Section 14.6 Assessing Positive Effects, Page 14-83; lines 1 to 9
Section 14.7 Kitselas First Nation Views Page 160	The Application will describe how Cedar engaged with the Indigenous Nation, including any collaboration with the Indigenous Nation, or integrated the Nation's perspectives into, the assessment of effects on Indigenous Interests, including both positive and adverse effects.	Section 14.7 Kitselas First Nation Views, Page 14-83; lines 10 to 22
Section 14.7 Kitselas First Nation Views Page 160	The Application will clearly state any views of the Nation on the potential positive and/or adverse effects identified, approach to effects management, residual effects, and conclusions.	Section 14.5.7 Characterization of Residual Effects, Page 14-63; lines 1 to 30 Section 14.7 Kitselas First Nation Views, Page 14-83; lines 10 to 22
Section 14.8 Summary Page 160	The Application will include a summary of the assessment for the Indigenous Nation outlining the residual effects on Indigenous Interests for the EAO to consider when determining the overall seriousness of impact to the Indigenous Interests, outline any major points of agreement or disagreement with the Nation, and describe efforts taken to address any points of disagreement.	Section 14.5.7 Characterization of Residual Effects, Page 14-63; lines 1 to 30 Section 14.8 Summary, Page 14-83; lines 23 to 36
Section 15.0 Kitsumkalum First Nation Page 160	The Application will include an assessment of the effects of the Project on Kitsumkalum First Nation Interests as described in Section 6.0, or following other assessment methods developed in consultation with Kitsumkalum First Nation.	Section 15.5 Assessing Effects on Kitsumkalum First Nation Interests, Page 15-13; line 1 to Page 15-86; line 40 Section 15.6 Assessing Positive Effects, Page 15-87; lines 1 to 9
Section 15.0 Kitsumkalum First Nation Page 160	The assessment in the Application will be informed by engagement with Kitsumkalum First Nation.	Section 15.3 Kitsumkalum First Nation Summary of Engagement, Page 15-11; lines 1 to 33



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 15.0 Kitsumkalum First Nation Page 160</p>	<p>Approach to the assessment will consider input provided by Kitsumkalum First Nation on incorporation of Nation specific VCs, if provided by Kitsumkalum First Nation.</p>	<p>Section 15.3.1 Key Areas of Concern, Page 15-11; line 34 to Page 15-12; line 14 Section 15.5.2 Preliminary List of Potential Effects, Page 15-16; lines 1 to 13 Section 15.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 15-20; lines 11 to 27 Table 15.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitsumkalum First Nation Interests, Page 15-20 to Page 15-22 Section 15.8 Summary, Page 15-87; lines 22 to Page 15-88; line 3</p>
<p>Section 15.0 Kitsumkalum First Nation Page 161</p>	<p>Each Indigenous interest will be assessed under its own section, unless analysis and supporting information is similar, in which case two or more may be combined in the same subsection.</p>	<p>Section 15.5.6 Assessing Adverse Effects, Page 15-31; line 1 to Page 15-86; line 40</p>
<p>Section 15.1 Overview and Context Page 161</p>	<p>The Application will include background information on each Indigenous Nation including ethnography, language, governance, economy, population, communities, Reserves, Indigenous land use plans (with reference to Section 2.3 as applicable), health and social conditions and other contextual information the Nation provides to Cedar and identifies as important to understanding the impacts of the Project on their Nation.</p>	<p>Section 15.1 Overview and Context, Page 15-1; line 24 to Page 15-7; line 27; Table 15.1.1 Kitsumkalum First Nation Reserves, Page 15-7 Section 15.2 Existing Conditions, Page 15-8; line 1 to Page 15-10; line 43</p>
<p>Section 15.1 Overview and Context Page 161</p>	<p>The assessment for each Indigenous Nation will include an overview of the understanding of Indigenous Interests in the area that could be affected by the Project.</p>	<p>Section 15.1 Overview and Context, Page 15-1; line 24 to Page 15-7; line 27; Table 15.1.1 Kitsumkalum First Nation Reserves, Page 15-7 Section 15.2 Existing Conditions, Page 15-8; line 1 to Page 15-10; line 43 Section 15.5.2 Preliminary List of Potential Effects, Page 15-16; lines 1 to 13 Section 15.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 15-20; lines 11 to 27 Table 15.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitsumkalum First Nation Interests, Page 15-20 to Page 15-22 Section 15.8 Summary, Page 15-87; lines 22 to Page 15-88; line 3</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 15.1 Overview and Context Page 161</p>	<p>Indigenous Interests will include impacts to Aboriginal or treaty rights recognized and affirmed by section 35 of the <i>Constitution Act</i>, 1982 as well as any other Interests identified by the Nation.</p>	<p>Section 15.1 Overview and Context, Page 15-1; line 24 to Page 15-7; line 27; Table 15.1.1 Kitsumkalum First Nation Reserves, Page 15-7</p> <p>Section 15.2 Existing Conditions, Page 15-8; line 1 to Page 15-10; line 43</p> <p>Section 15.5.2 Preliminary List of Potential Effects, Page 15-16; lines 1 to 13</p> <p>Section 15.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 15-20; lines 11 to 27</p> <p>Table 15.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitsumkalum First Nation Interests, Page 15-20 to Page 15-22</p> <p>Section 15.8 Summary, Page 15-87; lines 22 to Page 15-88; line 3</p>
<p>Section 15.1 Overview and Context Page 161</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation's governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ How Indigenous laws, governance or customs apply to this area, including how those processes may have evolved over time, and how they should be used to review the potential impacts of the Project on Indigenous Interests.</li> </ul> </li> </ul>	<p>Section 15.1.2 Ethnography, Page 15-2; line 27 to Page 15-3; line 4</p> <p>Section 15.1.5 Governance, Page 15-4; line 31 to Page 15-5; line 21</p>
<p>Section 15.1 Overview and Context Page 161</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation's governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ Indigenous laws, customs, or requirements for the area including any existing Indigenous land use plans.</li> </ul> </li> </ul>	<p>Section 2.3 Land and Marine Use Plans, Page 2-8; line 22 to Page 2-11; line 4</p> <p>Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-12; line 27</p> <p>Section 15.1.2 Ethnography, Page 15-2; line 27 to Page 15-3; line 4</p> <p>Section 15.1.4 Planning Initiatives and Land Use Plans, Page 15-3; line 20 to Page 15-4; line 30</p> <p>Section 15.1.5 Governance, Page 15-4; line 31 to Page 15-5; line 21</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 15.1 Overview and Context</p> <p>Page 161</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ Agreements with other Nations regarding governance of areas of territory overlap, as relevant to the Project.</li> </ul> </li> </ul>	<p>Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-12; line 27</p> <p>Section 15.1.4 Planning Initiatives and Land Use Plans, Page 15-3; line 20 to Page 15-4; line 30</p> <p>Section 15.1.5 Governance, Page 15-4; line 31 to Page 15-5; line 21</p>
<p>Section 15.1 Overview and Context</p> <p>Page 161</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• A list of the Indigenous Interests that may be impacted by the Project.</li> </ul>	<p>Section 15.5.2 Preliminary List of Potential Effects, Page 15-16; lines 1 to 13</p> <p>Section 15.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 15-20; lines 11 to 27</p> <p>Table 15.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitsumkalum First Nation Interests, Page 15-20 to Page 15-22</p> <p>Section 15.8 Summary, Page 15-87; lines 22 to Page 15-88; line 3</p>
<p>Section 15.1 Overview and Context</p> <p>Page 161</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• A summary of historic and current use of the area in the vicinity of the Project by Indigenous people over time including consideration of cumulative effects, and practices in the vicinity of the Project with regard to the Indigenous Interests. This summary will include any site-specific use values present in the vicinity of the Project, which are areas identified and/or mapped by Indigenous Nations as having environmental, cultural, spiritual, transportation, subsistence and habitation value.</li> </ul>	<p>Section 15.1 Overview and Context, Page 15-1; line 24 to Page 15-7; line 27;</p> <p>Table 15.1.1 Kitsumkalum First Nation Reserves, Page 15-7</p> <p>Section 15.2 Existing Conditions, Page 15-8; line 1 to Page 15-10; line 43</p>

AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 15.2 Existing Conditions Page 162	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>Describe historic and current use of the area in the vicinity of the Project by Indigenous people over time including consideration of cumulative effects.</li> </ul>	<p>Section 15.1 Overview and Context, Page 15-1; line 24 to Page 15-7; line 27; Table 15.1.1 Kitsumkalum First Nation Reserves, Page 15-7</p> <p>Section 15.2 Existing Conditions, Page 15-8; line 1 to Page 15-10; line 43</p>
Section 15.2 Existing Conditions Page 162	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>Describe practices in the vicinity of the Project with regard to Indigenous Interests (including reference to specific sites and species of Interests, where applicable).</li> </ul>	<p>Section 15.1 Overview and Context, Page 15-1; line 24 to Page 15-7; line 27; Table 15.1.1 Kitsumkalum First Nation Reserves, Page 15-7</p> <p>Section 15.2 Existing Conditions, Page 15-8; line 1 to Page 15-10; line 43</p>
Section 15.2 Existing Conditions Page 162	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>Describe the relative importance of the Project Area, transmission line corridor and surroundings, including any special characteristics or unique features, to Indigenous Interests.</li> </ul>	<p>Section 1.3.1 Infrastructure and Shipping Route, Page 1-5; line 4 to Page 1-6; line 8</p> <p>Section 1.3.3 Indigenous Territories, Page 1-9; lines 15 to 27</p> <p>Section 15.1 Overview and Context, Page 15-1; line 24 to Page 15-7; line 27</p> <p>Table 15.1.1 Kitsumkalum First Nation Reserves, Page 15-7</p> <p>Section 15.1.1 Kitsumkalum First Nation Traditional Territory, Page 15-2; lines 1 to 26</p> <p>Section 15.2 Existing Conditions, Page 15-8; line 1 to Page 15-10; line 43</p> <p>Section 15.5.6 Assessing Adverse Effects, Page 15-31; line 1 to Page 15-86; line 40</p>
Section 15.3 Summary of Engagement Page 162	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>Engagement activities undertaken with the Nation including the timeframe, means, and results of engagement.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26</p> <p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 15.3 Kitsumkalum First Nation Summary of Engagement, Page 15-11; lines 1 to 33</p> <p>Section 15.7 Kitsumkalum First Nation Views, Page 15-87; lines 10 to 21</p> <p>Section 15.8 Summary, Page 15-87; lines 22 to Page 15-88; line 3</p> <p>Section 15.8.2 Follow-up Strategy, Page 15-88; lines 14 to 26</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 15.3 Summary of Engagement Page 162</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Efforts to engage diverse populations of the Nation community in culturally appropriate ways, including Indigenous local group/sub-group (e.g., clan, family) areas within the broader traditional territory, and groups identified by gender, age, or other community relevant factors.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26</p> <p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 15.3 Kitsumkalum First Nation Summary of Engagement, Page 15-11; lines 1 to 33</p> <p>Section 15.8.2 Follow-up Strategy, Page 15-88; lines 14 to 26</p>
<p>Section 15.3 Summary of Engagement Page 162</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ How engagement activities conducted by Cedar support the Nation to understand the Project and its effects on the Nation and its Interests.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26</p> <p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 15.3 Kitsumkalum First Nation Summary of Engagement, Page 15-11; lines 1 to 33</p> <p>Section 15.8.2 Follow-up Strategy, Page 15-88; lines 14 to 26</p>
<p>Section 15.3 Summary of Engagement Page 162</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ The Nation's views on Cedar's consultation approach and resolution of issues raised when provided.</li> </ul> </li> </ul>	<p>Section 15.3 Kitsumkalum First Nation Summary of Engagement, Page 15-11; lines 1 to 33</p> <p>Section 15.7 Kitsumkalum First Nation Views, Page 15-87; lines 10 to 21</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 15.3 Summary of Engagement Page 162</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ A description of how Cedar responded to questions, comments and issues raised by the Nation, the Nation's perspective on the resolution of issues, how unresolved input has been addressed in the Application, and/or how unresolved input will be addressed through the assessment.</li> </ul> </li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 15.3 Kitsumkalum First Nation Summary of Engagement, Page 15-11; lines 1 to 33</p> <p>Section 15.8 Summary, Page 15-87; lines 22 to Page 15-88; line 3</p>
<p>Section 15.3 Summary of Engagement Page 163</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation's perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Development and collection of baseline information</li> </ul> </li> </ul> </li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 15.1 Overview and Context, Page 15-1; line 24 to Page 15-7; line 27</p> <p>Table 15.1.1 Kitsumkalum First Nation Reserves, Page 15-7</p> <p>Section 15.2 Existing Conditions, Page 15-8; line 1 to Page 15-10; line 43</p> <p>Section 15.3 Kitsumkalum First Nation Summary of Engagement, Page 15-11; lines 1 to 33</p> <p>Section 15.3.1 Key Areas of Concern, Page 15-11; line 34 to Page 15-12; line 14</p> <p>Section 15.5.1 Scope of the Assessment, Page 15-13; lines 4 to 16</p>
<p>Section 15.3 Summary of Engagement Page 163</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation's perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Plans for construction, operation, or decommissioning</li> </ul> </li> </ul> </li> </ul>	<p>Section 1.1 Project Context, Page 1-1; line 5 to Page 1-2; line 29</p> <p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 15.3 Kitsumkalum First Nation Summary of Engagement, Page 15-11; lines 1 to 33</p> <p>Section 15.3.1 Key Areas of Concern, Page 15-11; line 34 to Page 15-12; line 14</p> <p>Section 15.8.2 Follow-up Strategy, Page 15-88; lines 14 to 26</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 15.3 Summary of Engagement Page 163</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation’s perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Identification of VCs</li> </ul> </li> </ul> </li> </ul>	<p>Section 15.3.1 Key Areas of Concern, Page 15-11; line 34 to Page 15-12; line 14 Section 15.5.1 Scope of the Assessment, Page 15-13; lines 4 to 16 Section 15.5.2 Preliminary List of Potential Effects, Page 15-16; lines 1 to 13 Section 15.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 15-20; lines 11 to 27 Table 15.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitsumkalum First Nation Interests, Page 15-20 to Page 15-22</p>
<p>Section 15.3 Summary of Engagement Page 163</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• Information regarding any arrangement or agreement between Cedar and the Nation for collaboration on the development of the Application or delivery of the Project, subject to confidentiality terms. This includes agreements related to the delivery of studies, capacity funding agreements and agreements regarding the use of Indigenous knowledge.</li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 15.3 Kitsumkalum First Nation Summary of Engagement, Page 15-11; lines 1 to 33</p>
<p>Section 15.4 Information Sources Page 163</p>	<p>The sources of information used in preparing the assessment of effects on the Indigenous Nation will be clearly identified, noting where information represents the views of the Nation, Cedar or otherwise.</p>	<p>Section 15.4 Information Sources, Page 15-12; lines 15 to 28</p>
<p>Section 15.4 Information Sources Page 163</p>	<p>Information sources that include Indigenous knowledge will be clearly labeled as such.</p>	<p>Section 15.4 Information Sources, Page 15-12; lines 15 to 28</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 15.4 Information Sources Page 163</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>An outline of the steps taken by Cedar to work with the Indigenous Nation to incorporate Indigenous knowledge including a summary of any agreement with the Nation regarding the use, application and interpretation of Indigenous knowledge (e.g., Memorandum of Understanding).</li> </ul>	<p>Section 15.3 Kitsumkalum First Nation Summary of Engagement, Page 15-11; lines 1 to 33</p> <p>Section 15.4 Information Sources, Page 15-12; lines 15 to 28</p>
<p>Section 15.4 Information Sources Page 163</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>Identification of how and when Indigenous Nation were provided the opportunity to confirm that the information sources were appropriate for public disclosure.</li> </ul>	<p>Section 15.3 Kitsumkalum First Nation Summary of Engagement, Page 15-11; lines 1 to 33</p> <p>Section 15.4 Information Sources, Page 15-12; lines 15 to 28</p>
<p>Section 15.4 Information Sources Page 163</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>A description of how Indigenous knowledge informed the Project design, the assessment, proposed mitigation measures or any other aspect of the assessment.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 6.5 Existing Conditions, Page 6-9; line 25 to Page 6-11; line 26</p> <p>Section 15.4 Information Sources, Page 15-12; lines 15 to 28</p> <p>Section 15.5 Assessing Effects on Kitsumkalum First Nation Interests, Page 15-13; line 1 to Page 15-86; line 40</p>
<p>Section 15.4 Information Sources Page 163</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>If applicable, a plan for future cooperation between Cedar and the Nation to further consider Indigenous knowledge in project implementation, for example monitoring and management plans.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 15.4 Information Sources, Page 15-12; lines 15 to 28</p> <p>Section 15.8.2 Follow-up Strategy, Page 15-88; lines 14 to 26</p>

AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 15.5.1 Scope of the Assessment Page 164</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Identify the potential effects of the proposed Project on Indigenous Interests that will be assessed.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; line 1 to 39 Section 15.5.2 Preliminary List of Potential Effects, Page 15-16; lines 1 to 13 Section 15.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 15-20; lines 11 to 27 Table 15.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitsumkalum First Nation Interests, Page 15-20 to Page 15-22 Section 15.8 Summary, Page 15-87; lines 22 to Page 15-88; line 3</p>
<p>Section 15.5.1 Scope of the Assessment Page 164</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe how the Indigenous interest was identified, through engagement with the Indigenous Nation or otherwise.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; line 1 to 39 Section 15.1 Overview and Context, Page 15-1; line 24 to Page 15-7; line 27 Table 15.1.1 Kitsumkalum First Nation Reserves, Page 15-7 Section 15.3 Kitsumkalum First Nation Summary of Engagement, Page 15-11; lines 1 to 33 Section 15.4 Information Sources, Page 15-12; lines 15 to 28 Section 15.5.2 Preliminary List of Potential Effects, Page 15-16; lines 1 to 13 Section 15.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 15-20; lines 11 to 27 Table 15.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitsumkalum First Nation Interests, Page 15-20 to Page 15-22 Section 15.8 Summary, Page 15-87; lines 22 to Page 15-88; line 3</p>
<p>Section 15.5.1 Scope of the Assessment Page 164</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Summarize the VCs used in the assessment of effects on the Indigenous interest and whether they were carried forward from Section 6.1 or developed specifically for the assessment of the Indigenous interest.</li> </ul>	<p>Section 15.5.1 Scope of the Assessment, Page 15-13; lines 4 to 16</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 15.5.1 Scope of the Assessment Page 164	The Application will: <ul style="list-style-type: none"> <li>Describe linkages with other Indigenous Interests</li> </ul>	Section 15.5.1 Scope of the Assessment, Page 15-13; lines 4 to 16
Section 15.5.2 Assessment Boundaries Page 164	The Application will define the assessment boundaries for assessing the effects on the Indigenous interest, including spatial and temporal boundaries, with reference to the spatial and temporal boundaries used for the VC assessments in Section 7.0, as applicable.	Section 15.5.3 Assessment Boundaries, Page 15-16; line 14 to Page 15-18; line 28
Section 15.5.2 Assessment Boundaries Page 164	Where relevant, administrative and technical boundaries will also be identified.	Section 15.5.3.3 Administrative and Technical Boundaries, Page 15-19; lines 1 to 33
Section 15.5.3 Effects Assessment Page 164	The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include: <ul style="list-style-type: none"> <li>Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>Biophysical (e.g., effects to wildlife and habitat)</li> </ul> </li> </ul>	Section 15.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 15-20; lines 11 to 27 Table 15.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitsumkalum First Nation Interests, Page 15-20 to Page 15-22 Section 15.5.6.1 Changes in Consumption and Harvest – Project Pathways, Page 15-32; line 32 to Page 15-33; line 30 Section 15.8 Summary, Page 15-87; lines 22 to Page 15-88; line 3
Section 15.5.3 Effects Assessment Page 164	The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include: <ul style="list-style-type: none"> <li>Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>Related to the ability to use and access Crown lands and waters</li> </ul> </li> </ul>	Section 15.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 15-20; lines 11 to 27 Table 15.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitsumkalum First Nation Interests, Page 15-20 to Page 15-22 Section 15.5.6.3 Changes that Affect Kitsumkalum First Nation Governance – Project Pathways, Page 15-49; line 27 to Page 15-50; line 25 Section 15.5.6.5 Changes in access and travel – Project Pathways, Page 15-60; lines 1 to 9 Section 15.5.6.4 Changes to Aboriginal Title and Rights, Page 15-66; lines 1 to 19 Section 15.8 Summary, Page 15-87; lines 22 to Page 15-88; line 3

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 15.5.3 Effects Assessment Page 164</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>○ Cultural/experiential (e.g., presence of industrial activity disrupts peaceful enjoyment)</li> </ul> </li> </ul>	<p>Section 15.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 15-20; lines 11 to 27</p> <p>Table 15.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitsumkalum First Nation Interests, Page 15-20 to Page 15-22</p> <p>Section 15.5.6.1 Changes in Consumption and Harvest – Project Pathways, Page 15-32; line 32 to Page 15-33; line 30</p> <p>Section 15.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features – Project Pathways, Page 15-43; line 31 to Page 15-44; line 12</p> <p>Section 15.5.6.5 Changes in access and travel – Project Pathways, Page 15-60; lines 1 to 9</p> <p>Section 15.8 Summary, Page 15-87; lines 22 to Page 15-88; line 3</p>
<p>Section 15.5.3 Effects Assessment Page 164</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Identification of effects to be carried forward from pathways determined to be consequential or requiring mitigation.</li> </ul>	<p>Section 15.5.4.2 Project Interactions, Page 15-22; lines 1 to 21; Table 15.5.3 Potential Project Interactions with Kitsumkalum First Nation Interests, Page 15-23 to Page 15-24</p>
<p>Section 15.5.3 Effects Assessment Page 164</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of VCs and indicators used to assess effects carried forward.</li> </ul>	<p>Section 15.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 15-20; lines 11 to 27</p> <p>Table 15.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Kitsumkalum First Nation Interests, Page 15-20 to Page 15-22</p>
<p>Section 15.5.3 Effects Assessment Page 164</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of any assessment methods and analysis used to undertake the assessment of effects to the Indigenous interest.</li> </ul>	<p>Section 15.5.4.3 Assessment Methods, Page 15-24; line 1 to Page 15-27; line 36</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 15.5.4 Mitigation and Enhancement Measures Page 165	The Application will include information regarding: <ul style="list-style-type: none"> <li>Project design and mitigations identified for the relevant VCs that are proposed to mitigate effects on Indigenous Interests.</li> </ul>	Section 15.5.5 Mitigation and Enhancement Measures, Page 15-28; lines 1 to 10 Table 15.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Kitsumkalum First Nation, Page 15-29 to Page 15-30
Section 15.5.4 Mitigation and Enhancement Measures Page 165	The Application will include information regarding: <ul style="list-style-type: none"> <li>Additional mitigations and enhancement measures that are specific to the Indigenous Nation or Indigenous interest.</li> </ul>	Section 15.5.5 Mitigation and Enhancement Measures, Page 15-28; lines 1 to 10 Table 15.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Kitsumkalum First Nation, Page 15-29 to Page 15-30
Section 15.5.4 Mitigation and Enhancement Measures Page 165	The Application will include information regarding: <ul style="list-style-type: none"> <li>Proposed monitoring initiatives or review processes related to the effect on the Indigenous interest, as applicable.</li> </ul>	Section 15.5.5 Mitigation and Enhancement Measures, Page 15-28; lines 1 to 10 Table 15.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Kitsumkalum First Nation, Page 15-29 to Page 15-30 Section 15.5.7 Characterization of Residual Effects, Page 15-66; lines 20 to 38
Section 15.5.4 Mitigation and Enhancement Measures Page 165	Perspectives on the effectiveness of the mitigation options will be presented as well as the relative level of uncertainty or risk associated with the mitigation option(s).	Section 15.5.5 Mitigation and Enhancement Measures, Page 15-28; lines 1 to 10 Table 15.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Kitsumkalum First Nation, Page 15-29 to Page 15-30 Section 15.7 Kitsumkalum First Nation Views, Page 15-87; lines 10 to 21
Section 15.5.5 Assessing Adverse Effects Page 165	The Application will provide a detailed description of the assessment of adverse effects to Indigenous Interests that are anticipated as a result of the Project, and present the results of this assessment, after taking mitigation into account.	Section 15.5.6.1 Changes In Consumption and Harvest, Page 15-31; line 11 to Page 15-42; line 21 Section 15.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features, Page 15-42; line 22 to Page 15-48; line 13 Section 15.5.6.3 Changes That Affect Aspects of Kitsumkalum First Nation Governance, Page 14-48; line 14 to Page 15-58; line 11 Section 15.5.6.4 Changes in access and travel, Page 15-58; line 12 to Page 15-65; line 44 Section 15.5.6.4 Changes to Aboriginal Title and Rights, Page 15-66; lines 1 to 19 Section 15.5.7 Characterization of Residual Effects, Page 15-66; lines 20 to 38



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 15.5.5 Assessing Adverse Effects Page 165</p>	<p>It will describe proposed monitoring initiatives or review processes related to the effect on Indigenous interest.</p>	<p>Section 15.5.5 Mitigation and Enhancement Measures, Page 15-28; lines 1 to 10 Table 15.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Kitsumkalum First Nation, Page 15-29 to Page 15-30 Section 15.5.7 Characterization of Residual Effects, Page 15-66; lines 20 to 38</p>
<p>Section 15.5.6 Characterization of Residual Effects Page 165</p>	<p>The Application will provide a characterization of residual effects of the Project to the Indigenous interest.</p>	<p>Section 15.5.6 Assessing Adverse Effects, Page 15-31; line 1 to Page 15-86; line 40 Section 15.5.6.1 Changes In Consumption and Harvest – Characterization of Project Residual Effect, Page 15-41; line 1 to Page 15-42; line 21 Section 15.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features – Characterization of Project Residual Effect, Page 15-47; line 1 to Page 15-48; line 13 Section 15.5.6.3 Changes That Affect Aspects of Kitsumkalum First Nation Governance – Characterization of Project Residual Effect, Page 15-57; line 1 to Page 15-58; line 11 Section 15.5.6.4 Changes in access and travel – Characterization of Project Residual Effect, Page 15-65; lines 1 to 44 Section 15.5.7 Characterization of Residual Effects, Page 15-66; lines 20 to 38</p>
<p>Section 15.5.6 Characterization of Residual Effects Page 165</p>	<p>This will include information on the socio-cultural context of the Indigenous interest and the potential for effects on the broader social, economic, health status of the Nation from residual effects to Indigenous interest.</p>	<p>Section 15.5.6.1 Changes In Consumption and Harvest, Page 15-31; line 11 to Page 15-42; line 21 Section 15.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features, Page 15-42; line 22 to Page 15-48; line 13 Section 15.5.6.3 Changes That Affect Aspects of Kitsumkalum First Nation Governance, Page 14-48; line 14 to Page 15-58; line 11 Section 15.5.6.4 Changes in access and travel, Page 15-58; line 12 to Page 15-65; line 44 Section 15.5.6.4 Changes to Aboriginal Title and Rights, Page 15-66; lines 1 to 19 Section 15.5.7 Characterization of Residual Effects, Page 15-66; lines 20 to 38</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 15.5.7 Cumulative Effects Page 165	The Application will include an assessment of the Project's contribution to cumulative effects on the Indigenous interest and identify any additional mitigation measures.	Section 15.8 Cumulative Effects, Page 15-69; line 13 to Page 15-85; line 38
Section 15.5.7 Cumulative Effects Page 165	The Application will describe the likelihood of any adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.	Section 15.5.8.4. Residual Cumulative Effects on Kitsumkalum First Nation Interests, Page 15-86; lines 1 to 35 Section 15.5.8.5 Likelihood of Residual Cumulative Effects, Page 15-86; lines 36 to 40
Section 15.6 Assessing Positive Effects Page 165	The Application will describe any positive effects to Indigenous Interests or the Nation overall that are anticipated as a result of the Project and its associated effects management approaches.	Section 15.6 Assessing Positive Effects, Page 15-87; lines 1 to 9
Section 15.7 Kitsumkalum First Nation Views Page 166	The Application will describe how Cedar engaged with the Indigenous Nation, including any collaboration with the Indigenous Nation, or integrated the Nation's perspectives into, the assessment of effects on Indigenous Interests, including both positive and adverse effects.	Section 15.7 Kitsumkalum First Nation Views, Page 15-87; lines 10 to 21
Section 15.7 Kitsumkalum First Nation Views Page 166	The Application will clearly state any views of the Nation on the potential positive and/or adverse effects identified, approach to effects management, residual effects, and conclusions.	Section 15.7 Kitsumkalum First Nation Views, Page 15-87; lines 10 to 21
Section 15.8 Summary Page 166	The Application will include a summary of the assessment for the Indigenous Nation outlining the residual effects on Indigenous Interests for the EAO to consider when determining the overall seriousness of impact to the Indigenous Interests, outline any major points of agreement or disagreement with the Nation, and describe efforts taken to address any points of disagreement.	Section 15.5.7 Characterization of Residual Effects, Page 15-66; lines 20 to 38 Section 15.8 Summary, Page 15-87; lines 22 to Page 15-88; line 3

AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 16.0 Lax Kw'alaams Band Page 166	This section of the Application, including relevant background information and key Interests, will be presented and assessed in a manner determined by Lax Kw'alaams Band.	Section 16.0 Lax Kw'alaams Band, Page 16-1, lines 1 to 12 Section 16.4 Assessment Methods, Page 16-4; line 15 to Page 16-11; line 34
Section 16.0 Lax Kw'alaams Band Page 166	To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i> , at a minimum the assessment will include: <ul style="list-style-type: none"> <li>A summary of Cedar's engagement with Lax Kw'alaams Band.</li> </ul>	Section 2.4.3 Cedar Arrangements, Page 2-13; lines 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 16.2 Cedar's Summary of Engagement, Page 16-3; lines 1 to 24
Section 16.0 Lax Kw'alaams Band Page 166	To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i> , at a minimum the assessment will include: <ul style="list-style-type: none"> <li>Indigenous knowledge used to assess the effects of the Project</li> </ul>	Section 16.3 Information Sources and Limitations, Page 16-3; line 25 to Page 16-4; line 14
Section 16.0 Lax Kw'alaams Band Page 166	To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i> , at a minimum the assessment will include: <ul style="list-style-type: none"> <li>The effects of the Project on Lax Kw'alaams Band Interests and rights recognized and affirmed by section 35 of the <i>Constitution Act</i>, 1982.</li> </ul>	Section 16.4.1 Selection of Coast Tsimshian Interests, Page 16-4; line 27 to Page 16-7; Table 16.4.2 Section of Coast Tsimshian Interests for Assessment Section 16.5 Marine Harvesting, Page 16-12; line 1 to Page 16-19; Table 16.5.5 Seriousness of Project-Specific Residual Effects on Marine Harvesting Section 16.6 Sense of Place, Page 16-19; line 1 to Page 16-23; Table 16.6.4 Seriousness of Project-Specific Residual Effects on Sense of Place Section 16.7 Conclusions, Page 16-23; line 6 to Page 16-24; Table 16.7.1 Summary of Project Effects on Coast Tsimshian Interests
Section 16.0 Lax Kw'alaams Band Page 166	To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i> , at a minimum the assessment will include: <ul style="list-style-type: none"> <li>Consistency of the Project with any Lax Kw'alaams Band land-use or marine-use plan that is relevant to the assessment.</li> </ul>	Section 2.3 Land and Marine Use Plans, Page 2-8; line 22 to Page 2-11; line 4. Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-12; line 27 Section 16.4.1 Selection of Coast Tsimshian Interests, Page 16-4; line 27 to Page 16-7; Table 16.4.2 Section of Coast Tsimshian Interests for Assessment



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<p>Section 16.0 Lax Kw'alaams Band Page 166</p>	<p>To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i>, at a minimum the assessment will include:</p> <ul style="list-style-type: none"> <li>Potential effects resulting from a change to the environment caused by the Project on physical and cultural heritage.</li> </ul>	<p>Section 16.4.1 Selection of Coast Tsimshian Interests, Page 16-4; line 27 to Page 16-7; Table 16.4.2 Section of Coast Tsimshian Interests for Assessment</p> <p>Section 16.5 Marine Harvesting, Page 16-12; line 1 to Page 16-19; Table 16.5.5 Seriousness of Project-Specific Residual Effects on Marine Harvesting</p> <p>Section 16.6 Sense of Place, Page 16-19; line 1 to Page 16-23; Table 16.6.4 Seriousness of Project-Specific Residual Effects on Sense of Place</p> <p>Section 16.7 Conclusions, Page 16-23; line 6 to Page 16-24; Table 16.7.1 Summary of Project Effects on Coast Tsimshian Interests</p>
<p>Section 16.0 Lax Kw'alaams Band Page 166</p>	<p>To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i>, at a minimum the assessment will include:</p> <ul style="list-style-type: none"> <li>Potential effects resulting from a change to the environment caused by the Project on the current use of lands and resources for traditional purposes.</li> </ul>	<p>Section 16.4.1 Selection of Coast Tsimshian Interests, Page 16-4; line 27 to Page 16-7; Table 16.4.2 Section of Coast Tsimshian Interests for Assessment</p> <p>Section 16.5 Marine Harvesting, Page 16-12; line 1 to Page 16-19; Table 16.5.5 Seriousness of Project-Specific Residual Effects on Marine Harvesting</p> <p>Section 16.6 Sense of Place, Page 16-19; line 1 to Page 16-23; Table 16.6.4 Seriousness of Project-Specific Residual Effects on Sense of Place</p> <p>Section 16.7 Conclusions, Page 16-23; line 6 to Page 16-24; Table 16.7.1 Summary of Project Effects on Coast Tsimshian Interests</p>
<p>Section 16.0 Lax Kw'alaams Band Page 166</p>	<p>To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i>, at a minimum the assessment will include:</p> <ul style="list-style-type: none"> <li>Any change to the health, social, or economic conditions of the Lax Kw'alaams members.</li> </ul>	<p>Section 16.4.1 Selection of Coast Tsimshian Interests, Page 16-4; line 27 to Page 16-7; Table 16.4.2 Section of Coast Tsimshian Interests for Assessment</p> <p>Section 16.5 Marine Harvesting, Page 16-12; line 1 to Page 16-19; Table 16.5.5 Seriousness of Project-Specific Residual Effects on Marine Harvesting</p> <p>Section 16.6 Sense of Place, Page 16-19 line 1 to Page 16-23 line 5; Table 16.6.4 Seriousness of Project-Specific Residual Effects on Sense of Place</p> <p>Section 16.7 Conclusions, Page 16-23 line 6 to Page 16-24 line 11; Table 16.7.1 Summary of Project Effects on Coast Tsimshian Interests</p>



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<p>Section 16.0 Lax Kw'alaams Band Page 167</p>	<p>To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i>, at a minimum the assessment will include:</p> <ul style="list-style-type: none"> <li>Any disproportionate effects on distinct human populations, including populations identified by gender.</li> </ul>	<p>Section 16.4.1 Selection of Coast Tsimshian Interests, Page 16-4; line 27 to Page 16-7; Table 16.4.2 Section of Coast Tsimshian Interests for Assessment</p> <p>Section 16.5 Marine Harvesting, Page 16-12; line 1 to Page 16-19; Table 16.5.5 Seriousness of Project-Specific Residual Effects on Marine Harvesting</p> <p>Section 16.6 Sense of Place, Page 16-19; line 1 to Page 16-23; Table 16.6.4 Seriousness of Project-Specific Residual Effects on Sense of Place</p> <p>Section 16.7 Conclusions, Page 16-23; line 6 to Page 16-24; Table 16.7.1 Summary of Project Effects on Coast Tsimshian Interests</p>
<p>Section 16.0 Lax Kw'alaams Band Page 167</p>	<p>To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i>, at a minimum the assessment will include:</p> <ul style="list-style-type: none"> <li>A summary of Cedar's perspective on the assessment and a description of the mitigation measures that it can implement by Cedar to mitigate identified effects/impacts.</li> </ul>	<p>Section 16.8 Cedar's Perspective on the Assessment, Page 16-25, lines 1 to 15</p>
<p>Section 16.0 Lax Kw'alaams Band Page 167</p>	<p>Where no interactions with the specific requirements of BCEAA or the <i>Impact Assessment Act</i> are identified by Lax Kw'alaams Band, this will be noted accordingly in the Application.</p>	<p>Section 16.4.1 Selection of Coast Tsimshian Interests, Page 16-4; line 27 to Page 16-7; Table 16.4.2 Section of Coast Tsimshian Interests for Assessment</p>
<p>Section 17.0 Metlakatla First Nation Page 167</p>	<p>This section of the Application, including relevant background information and key Interests, will be presented and assessed in a manner determined by Metlakatla First Nation.</p>	<p>Section 17.0 Metlakatla First Nation, Page 17-1; line 1 to 12</p> <p>Section 16.4 Assessment Methods, Page 16-4; line 15 to Page 16-11; line 34</p>
<p>Section 17.0 Metlakatla First Nation Page 167</p>	<p>To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i>, at a minimum the assessment will include:</p> <ul style="list-style-type: none"> <li>A summary of Cedar's engagement with Metlakatla First Nation.</li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; lines 19 to 26</p> <p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 17.1 Cedar's Summary of Engagement, Page 17-1; line 13 to Page 17-2; line 4</p>



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Section 17.0 Metlakatla First Nation Page 167	To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i> , at a minimum the assessment will include: <ul style="list-style-type: none"> <li>Indigenous knowledge used to assess the effects of the Project.</li> </ul>	Section 16.3 Information Sources and Limitations, Page 16-3; line 25 to Page 16-4; line 14
Section 17.0 Metlakatla First Nation Page 167	To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i> , at a minimum the assessment will include: <ul style="list-style-type: none"> <li>The effects of the Project on Metlakatla First Nation Interests and rights recognized and affirmed by section 35 of the <i>Constitution Act</i>, 1982.</li> </ul>	Section 16.4.1 Selection of Coast Tsimshian Interests, Page 16-4; line 27 to Page 16-7; Table 16.4.2 Section of Coast Tsimshian Interests for Assessment Section 16.5 Marine Harvesting, Page 16-12; line 1 to Page 16-19; Table 16.5.5 Seriousness of Project-Specific Residual Effects on Marine Harvesting Section 16.6 Sense of Place, Page 16-19; line 1 to Page 16-23; Table 16.6.4 Seriousness of Project-Specific Residual Effects on Sense of Place Section 16.7 Conclusions, Page 16-23; line 6 to Page 16-24; Table 16.7.1 Summary of Project Effects on Coast Tsimshian Interests
Section 17.0 Metlakatla First Nation Page 167	To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i> , at a minimum the assessment will include: <ul style="list-style-type: none"> <li>Consistency of the Project with any Metlakatla First Nation land-use or marine-use plan that is relevant to the assessment.</li> </ul>	Section 2.3 Land and Marine Use Plans, Page 2-8; line 22 to Page 2-11; line 4. Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-12; line 27 Section 16.4.1 Selection of Coast Tsimshian Interests, Page 16-4; line 27 to Page 16-7; Table 16.4.2 Section of Coast Tsimshian Interests for Assessment
Section 17.0 Metlakatla First Nation Page 167	To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i> , at a minimum the assessment will include: <ul style="list-style-type: none"> <li>Potential effects resulting from a change to the environment caused by the Project on physical and cultural heritage.</li> </ul>	Section 16.4.1 Selection of Coast Tsimshian Interests, Page 16-4; line 27 to Page 16-7; Table 16.4.2 Section of Coast Tsimshian Interests for Assessment Section 16.5 Marine Harvesting, Page 16-12; line 1 to Page 16-19; Table 16.5.5 Seriousness of Project-Specific Residual Effects on Marine Harvesting Section 16.6 Sense of Place, Page 16-19; line 1 to Page 16-23; Table 16.6.4 Seriousness of Project-Specific Residual Effects on Sense of Place Section 16.7 Conclusions, Page 16-23; line 6 to Page 16-24; Table 16.7.1 Summary of Project Effects on Coast Tsimshian Interests



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Section 17.0 Metlakatla First Nation Page 167	To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i> , at a minimum the assessment will include: <ul style="list-style-type: none"> <li>Potential effects resulting from a change to the environment caused by the Project on the current use of lands and resources for traditional purposes.</li> </ul>	Section 16.4.1 Selection of Coast Tsimshian Interests, Page 16-4; line 27 to Page 16-7; Table 16.4.2 Section of Coast Tsimshian Interests for Assessment Section 16.5 Marine Harvesting, Page 16-12; line 1 to Page 16-19; Table 16.5.5 Seriousness of Project-Specific Residual Effects on Marine Harvesting Section 16.6 Sense of Place, Page 16-19; line 1 to Page 16-23; Table 16.6.4 Seriousness of Project-Specific Residual Effects on Sense of Place Section 16.7 Conclusions, Page 16-23; line 6 to Page 16-24; Table 16.7.1 Summary of Project Effects on Coast Tsimshian Interests
Section 17.0 Metlakatla First Nation Page 167	To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i> , at a minimum the assessment will include: <ul style="list-style-type: none"> <li>Any change to the health, social, or economic conditions of the Metlakatla members.</li> </ul>	Section 16.4.1 Selection of Coast Tsimshian Interests, Page 16-4; line 27 to Page 16-7; Table 16.4.2 Section of Coast Tsimshian Interests for Assessment Section 16.5 Marine Harvesting, Page 16-12; line 1 to Page 16-19; Table 16.5.5 Seriousness of Project-Specific Residual Effects on Marine Harvesting Section 16.6 Sense of Place, Page 16-19; line 1 to Page 16-23; Table 16.6.4 Seriousness of Project-Specific Residual Effects on Sense of Place Section 16.7 Conclusions, Page 16-23; line 6 to Page 16-24; Table 16.7.1 Summary of Project Effects on Coast Tsimshian Interests
Section 17.0 Metlakatla First Nation Page 167	To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i> , at a minimum the assessment will include: <ul style="list-style-type: none"> <li>Any disproportionate effects on distinct human populations, including populations identified by gender.</li> </ul>	Section 16.4.1 Selection of Coast Tsimshian Interests, Page 16-4; line 27 to Page 16-7; Table 16.4.2 Section of Coast Tsimshian Interests for Assessment Section 16.5 Marine Harvesting, Page 16-12; line 1 to Page 16-19; Table 16.5.5 Seriousness of Project-Specific Residual Effects on Marine Harvesting Section 16.6 Sense of Place, Page 16-19; line 1 to Page 16-23; Table 16.6.4 Seriousness of Project-Specific Residual Effects on Sense of Place Section 16.7 Conclusions, Page 16-23; line 6 to Page 16-24; Table 16.7.1 Summary of Project Effects on Coast Tsimshian Interests

AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 17.0 Metlakatla First Nation Page 167	<p>To meet the specific requirements of BCEAA and the <i>Impact Assessment Act</i>, at a minimum the assessment will include:</p> <ul style="list-style-type: none"> <li>A summary of Cedar's perspective on the assessment and a description of the mitigation measures that it can implement by Cedar to mitigate identified effects/impacts.</li> </ul>	Section 17.2 Cedar's Perspective on the Assessment, Page 17-2, lines 5 to 19
Section 17.0 Metlakatla First Nation Page 168	Where no interactions with the specific requirements of BCEAA or the <i>Impact Assessment Act</i> are identified by Metlakatla First Nation, this will be noted accordingly in the Application.	Section 16.4.1 Selection of Coast Tsimshian Interests, Page 16-4; line 27 to Page 16-7; Table 16.4.2 Section of Coast Tsimshian Interests for Assessment
Section 18.0 Haida Nation Page 168	The Application will include an assessment of the effects of the Project's marine shipping on Haida Nation Interests as described in Section 6.0, or following other assessment methods developed in consultation with Haida Nation.	<p>Sections 18.5 Assessing Effects on Haida Nation Interests, Page 18-14; line 10 to Page 18-45; line 37</p> <p>Section 18.6 Assessing Positive Effects, Page 18-46; line 1 to 7</p>
Section 18.0 Haida Nation Page 168	The assessment in the Application will be informed by engagement with Haida Nation.	Section 18.3 Haida Nation Summary of Engagement, Page 18-13; lines 1 to 19
Section 18.0 Haida Nation Page 168	In upcoming consultation activities, Cedar will work with Haida Nation to develop an understanding of Haida Nation key areas of concern related to marine shipping and any associated potential effects on Indigenous Interests to be included in the assessment.	<p>Section 18.3.1 Key Areas of Concern, Page 18-14; lines 13 to 25</p> <p>Section 18.5.2 Preliminary List of Potential Effects, Page 18-17; lines 1 to 9</p> <p>Section 18.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 18-20; lines 23 to 39; Table 18.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haida Nation Interests, Page 18-21</p> <p>Section 18.8 Summary, Page 18-46; lines 24 to 34</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 18.1 Overview and Context Page 168</p>	<p>The Application will include background information on each Indigenous Nation including ethnography, language, governance, economy, population, communities, Reserves, Indigenous land use plans (with reference to Section 2.3 as applicable), health and social conditions and other contextual information the Nation provides to Cedar and identifies as important to understanding the impacts of the Project on their Nation.</p>	<p>Section 18.1 Overview and Context, Page 18-1; line 20 to Page 18-7; line 38; Table 18.1.1 Haida Nation Reserves, Page 18-8 to Page 18-10  Section 18.2 Existing Conditions, Page 18-10; line 1 to Page 18-12; line 41</p>
<p>Section 18.1 Overview and Context Page 168</p>	<p>The assessment for each Indigenous Nation will include an overview of the understanding of Indigenous Interests in the area that could be affected by the Project.</p>	<p>Section 18.1 Overview and Context, Page 18-1; line 20 to Page 18-7; line 38; Table 18.1.1 Haida Nation Reserves, Page 18-8 to Page 18-10  Section 18.2 Existing Conditions, Page 18-10; line 1 to Page 18-12; line 41  Section 18.5.2 Preliminary List of Potential Effects, Page 18-17; lines 1 to 9  Section 18.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 18-20; lines 23 to 39; Table 18.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haida Nation Interests, Page 18-21  Section 18.8 Summary, Page 18-46; lines 24 to 34</p>
<p>Section 18.1 Overview and Context Page 168</p>	<p>Indigenous Interests will include impacts to Aboriginal or treaty rights recognized and affirmed by section 35 of the <i>Constitution Act</i>, 1982 as well as any other Interests identified by the Nation.</p>	<p>Section 18.1 Overview and Context, Page 18-1; line 20 to Page 18-7; line 38; Table 18.1.1 Haida Nation Reserves, Page 18-8 to Page 18-10  Section 18.2 Existing Conditions, Page 18-10; line 1 to Page 18-12; line 41  Section 18.5.2 Preliminary List of Potential Effects, Page 18-17; lines 1 to 9  Section 18.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 18-20; lines 23 to 39; Table 18.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haida Nation Interests, Page 18-21  Section 18.8 Summary, Page 18-46; lines 24 to 34</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 18.1 Overview and Context</p> <p>Page 168</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ How Indigenous laws, governance or customs apply to this area, including how those processes may have evolved over time, and how they should be used to review the potential impacts of the Project on Indigenous Interests.</li> </ul> </li> </ul>	<p>Section 18.1.2 Ethnography, Page 18-2; lines 20 to 37</p> <p>Section 18.1.5 Governance, Page 18-5; lines 1 to 31</p>
<p>Section 18.1 Overview and Context</p> <p>Page 168</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ Indigenous laws, customs, or requirements for the area including any existing Indigenous land use plans.</li> </ul> </li> </ul>	<p>Section 2.3 Land and Marine Use Plans, Page 2-8; line 22 to Page 2-11; line 4</p> <p>Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-13; line 26</p> <p>Section 18.1.2 Ethnography, Page 18-2; lines 20 to 37</p> <p>Section 18.1.4 Planning Initiatives and Land Use Plans, Page 18-3; line 18 to Page 18-4; line 36</p> <p>Section 18.1.5 Governance, Page 18-5; lines 1 to 31</p>
<p>Section 18.1 Overview and Context</p> <p>Page 169</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding: <ul style="list-style-type: none"> <li>○ Agreements with other Nations regarding governance of areas of territory overlap, as relevant to the Project.</li> </ul> </li> </ul>	<p>Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-13; line 26</p> <p>Section 18.1.4 Planning Initiatives and Land Use Plans, Page 18-3; line 18 to Page 18-4; line 36</p> <p>Section 18.1.5 Governance, Page 18-5; lines 1 to 31</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 18.1 Overview and Context</p> <p>Page 169</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>A list of the Indigenous Interests that may be impacted by the Project.</li> </ul>	<p>Section 18.5.2 Preliminary List of Potential Effects, Page 18-17; lines 1 to 9</p> <p>Section 18.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 18-20; lines 23 to 39</p> <p>Table 18.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haida Nation Interests, Page 18-21</p> <p>Section 18.8 Summary, Page 18-46; lines 24 to 34</p>
<p>Section 18.1 Overview and Context</p> <p>Page 169</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>A summary of historic and current use of the area in the vicinity of the Project by Indigenous people over time including consideration of cumulative effects, and practices in the vicinity of the Project with regard to the Indigenous Interests. This summary will include any site-specific use values present in the vicinity of the Project, which are areas identified and/or mapped by Indigenous Nations as having environmental, cultural, spiritual, transportation, subsistence and habitation value.</li> </ul>	<p>Section 18.1 Overview and Context, Page 18-1; line 20 to Page 18-7; line 38; Table 18.1.1 Haida Nation Reserves, Page 18-8 to Page 18-10</p> <p>Section 18.2 Existing Conditions, Page 18-10; line 1 to Page 18-12; line 41</p>
<p>Section 18.2 Existing Conditions</p> <p>Page 169</p>	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>Describe historic and current use of the area in the vicinity of the Project by Indigenous people over time including consideration of cumulative effects.</li> </ul>	<p>Section 18.1 Overview and Context, Page 18-1; line 20 to Page 18-7; line 38; Table 18.1.1 Haida Nation Reserves, Page 18-8 to Page 18-10</p> <p>Section 18.2 Existing Conditions, Page 18-10; line 1 to Page 18-12; line 41</p>
<p>Section 18.2 Existing Conditions</p> <p>Page 169</p>	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>Describe practices in the vicinity of the Project with regard to Indigenous Interests (including reference to specific sites and species of Interests, where applicable).</li> </ul>	<p>Section 18.1 Overview and Context, Page 18-1; line 20 to Page 18-7; line 38; Table 18.1.1 Haida Nation Reserves, Page 18-8 to Page 18-10</p> <p>Section 18.2 Existing Conditions, Page 18-10; line 1 to Page 18-12; line 41</p> <p>Section 18.2.2 Cumulative Effects / Regional Context, page 18-12, lines 7 to 35.</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 18.2 Existing Conditions Page 169</p>	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>• Describe the relative importance of the Project Area, transmission line corridor and surroundings, including any special characteristics or unique features, to Indigenous Interests.</li> </ul>	<p>Section 1.3.1 Infrastructure and Shipping Route, Page 1-5; line 4 to Page 1-6; line 8 Section 1.3.3 Indigenous Territories, Page 1-9; lines 15 to 27 Section 18.1 Overview and Context, Page 18-1; line 20 to Page 18-7; line 38; Table 18.1.1 Haida Nation Reserves, Page 18-8 to Page 18-10 Section 18.1.1 Haida Territory, Page 18-1; line 29 to Page 18-2; line 19 Section 18.2 Existing Conditions, Page 18-10; line 1 to Page 18-12; line 41 Section 18.5.6 Assessing Adverse Effects, Page 18-29; line 1 to Page 18-45; line 25</p>
<p>Section 18.3 Summary of Engagement Page 169</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Engagement activities undertaken with the Nation including the timeframe, means, and results of engagement.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; line 1 to 39 Section 18.3 Haida Nation Summary of Engagement, Page 18-13; lines 1 to 19 Section 18.7 Haida Nation Views, Page 18-46; lines 7 to 23 Section 18.8 Summary, Page 18-46; lines 24 to 34 Section 18.8.2 Follow-up Strategy, Page 18-47; lines 7 to 19</p>
<p>Section 18.3 Summary of Engagement Page 169</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Efforts to engage diverse populations of the Nation community in culturally appropriate ways, including Indigenous local group/subgroup (e.g., clan, family) areas within the broader traditional territory, and groups identified by gender, age, or other community relevant factors.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 18.3 Haida Nation Summary of Engagement, Page 18-13; lines 1 to 19 Section 18.8.2 Follow-up Strategy, Page 18-47; lines 7 to 19</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 18.3 Summary of Engagement Page 169</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ How engagement activities conducted by Cedar support the Nation to understand the Project and its effects on the Nation and its Interests.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 18.3 Haida Nation Summary of Engagement, Page 18-13; lines 1 to 19 Section 18.8.2 Follow-up Strategy, Page 18-47; lines 7 to 19</p>
<p>Section 18.3 Summary of Engagement Page 169</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ The Nation's views on Cedar's consultation approach and resolution of issues raised when provided.</li> </ul> </li> </ul>	<p>Section 18.3 Haida Nation Summary of Engagement, Page 18-13; lines 1 to 19 Section 18.7 Haida Nation Views, Page 18-46; lines 7 to 23</p>
<p>Section 18.3 Summary of Engagement Page 170</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ A description of how Cedar responded to questions, comments and issues raised by the Nation, the Nation's perspective on the resolution of issues, how unresolved input has been addressed in the Application, and/or how unresolved input will be addressed through the assessment.</li> </ul> </li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 18.3 Haida Nation Summary of Engagement, Page 18-13; lines 1 to 19 Section 18.8 Summary, Page 18-46; lines 24 to 34</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 18.3 Summary of Engagement Page 170</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation’s perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Development and collection of baseline information</li> </ul> </li> </ul> </li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 18.1 Overview and Context, Page 18-1; line 20 to Page 18-7; line 38; Table 18.1.1 Haida Nation Reserves, Page 18-8 to Page 18-10 Section 18.2 Existing Conditions; Pages 11-11 to 11-13 Section 18.3 Haida Nation Summary of Engagement, Page 18-13; lines 1 to 19 Section 18.3.1 Key Areas of Concern, Page 18-14; lines 13 to 25 Section 18.5.1 Scope of the Assessment, Page 18-14, lines 13 to 25</p>
<p>Section 18.3 Summary of Engagement Page 170</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation’s perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Plans for construction, operation, or decommissioning</li> </ul> </li> </ul> </li> </ul>	<p>Section 1.1 Project Context, Page 1-1; line 5 to Page 1-2; line 29 Section 6.2 Influence of Consultation and Engagement; Page 6-7 Section 18.3 Haida Nation Summary of Engagement, Page 18-13; lines 1 to 19 Section 18.3.1 Key Areas of Concern, Page 18-14; lines 13 to 25 Section 18.8.2 Follow-up Strategy, Page 18-47; lines 7 to 19</p>
<p>Section 18.3 Summary of Engagement Page 170</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation’s perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Identification of VCs</li> </ul> </li> </ul> </li> </ul>	<p>Section 18.3.1 Key Areas of Concern, Page 18-14; lines 13 to 25 Section 18.5.1 Scope of the Assessment, Page 18-14, lines 13 to 25 Section 18.5.2 Preliminary List of Potential Effects, Page 18-17; lines 1 to 9 Section 18.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 18-20; lines 23 to 39 Table 18.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haida Nation Interests, Page 18-21 Section 18.8 Summary, Page 18-46; lines 24 to 34</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 18.3 Summary of Engagement Page 170</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>Information regarding any arrangement or agreement between Cedar and the Nation for collaboration on the development of the Application or delivery of the Project, subject to confidentiality terms. This includes agreements related to the delivery of studies, capacity funding agreements and agreements regarding the use of Indigenous knowledge.</li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 18.3 Haida Nation Summary of Engagement, Page 18-13; lines 1 to 19</p>
<p>Section 18.4 Information Sources Page 170</p>	<p>The sources of information used in preparing the assessment of effects on the Indigenous Nation will be clearly identified, noting where information represents the views of the Nation, Cedar or otherwise.</p>	<p>Section 18.4 Information Sources, Page 18-14; lines 1 to 9</p>
<p>Section 18.4 Information Sources Page 170</p>	<p>Information sources that include Indigenous knowledge will be clearly labeled as such.</p>	<p>Section 18.4 Information Sources, Page 18-14; lines 1 to 9</p>
<p>Section 18.4 Information Sources Page 170</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>An outline of the steps taken by Cedar to work with the Indigenous Nation to incorporate Indigenous knowledge including a summary of any agreement with the Nation regarding the use, application and interpretation of Indigenous knowledge (e.g., Memorandum of Understanding).</li> </ul>	<p>Section 18.3 Haida Nation Summary of Engagement, Page 18-13; lines 1 to 19 Section 18.4 Information Sources, Page 18-14; lines 1 to 9</p>
<p>Section 18.4 Information Sources Page 170</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>Identification of how and when Indigenous Nation were provided the opportunity to confirm that the information sources were appropriate for public disclosure.</li> </ul>	<p>Section 18.3 Haida Nation Summary of Engagement, Page 18-13; lines 1 to 19 Section 18.4 Information Sources, Page 18-14; lines 1 to 9</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 18.4 Information Sources Page 170</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>A description of how Indigenous knowledge informed the Project design, the assessment, proposed mitigation measures or any other aspect of the assessment.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 6.5 Existing Conditions, Page 6-9, lines 25-35, Page 6-10, lines 1-39, Page 6-11, lines 1-26 Section 18.4 Information Sources, Page 18-14; lines 1 to 9 Sections 18.5 Assessing Effects on Haida Nation Interests, Page 18-14; line 10 to Page 18-45; line 37</p>
<p>Section 18.4 Information Sources Page 170</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>If applicable, a plan for future cooperation between Cedar and the Nation to further consider Indigenous knowledge in project implementation, for example monitoring and management plans.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 18.4 Information Sources, Page 18-14; lines 1 to 9 Section 18.8.2 Follow-Up Strategy, Page 18-9; lines 7 to 19</p>
<p>Section 18.5.1 Scope of the Assessment Page 171</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Identify the potential effects of the proposed Project on Indigenous Interests that will be assessed.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; line 1 to 39 Section 18.5.2 Preliminary List of Potential Effects, Page 18-17; lines 1 to 9 Section 18.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 18-20; lines 23 to 39; Table 18.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haida Nation Interests, Page 18-21 Section 18.8 Summary, Page 18-46; lines 24 to 34</p>
<p>Section 18.5.1 Scope of the Assessment Page 171</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe how the Indigenous interest was identified, through engagement with the Indigenous Nation or otherwise.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; line 1 to 39 Section 18.1 Overview and Context, Page 18-1; line 20 to Page 18-7; line 38; Table 18.1.1 Haida Nation Reserves, Page 18-8 to Page 18-10 Section 18.3 Haida Nation Summary of Engagement, Page 18-13; lines 1 to 19 Section 18.4 Information Sources, Page 18-14; lines 1 to 9 Section 18.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 18-20; lines 23 to 39; Table 18.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haida Nation Interests, Page 18-21 Section 18.8 Summary, Page 18-46; lines 24 to 34</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 18.5.1 Scope of the Assessment Page 171	The Application will: <ul style="list-style-type: none"> <li>Summarize the VCs used in the assessment of effects on the Indigenous interest and whether they were carried forward from Section 6.1 or developed specifically for the assessment of the Indigenous interest.</li> </ul>	Section 18.5.1 Scope of the Assessment, Page 18-14, lines 13 to 25
Section 18.5.1 Scope of the Assessment Page 171	The Application will: <ul style="list-style-type: none"> <li>Describe linkages with other Indigenous Interests</li> </ul>	Section 18.5.1 Scope of the Assessment, Page 18-14, lines 13 to 25
Section 18.5.2 Assessment Boundaries Page 171	The Application will define the assessment boundaries for assessing the effects on the Indigenous interest, including spatial and temporal boundaries, with reference to the spatial and temporal boundaries used for the VC assessments in Section 7.0, as applicable.	Section 18.5.3 Assessment Boundaries, Page 18-17, lines 10 to Page 18-19; line 17
Section 18.5.2 Assessment Boundaries Page 171	Where relevant, administrative and technical boundaries will also be identified.	Section 18.5.3.3 Administrative and Technical Boundaries, Page 18-19; line 18 to Page 18-20; line 13
Section 18.5.3 Effects Assessment Page 171	The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include: <ul style="list-style-type: none"> <li>Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>Biophysical (e.g., effects to wildlife and habitat)</li> </ul> </li> </ul>	Section 18.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 18-20; lines 23 to 39 Table 18.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haida Nation Interests, Page 18-21 Section 18.5.6.1 Changes in Consumption and Harvest – Project Pathways, Page 18-30; line 35 to Page 18-31; line 19 Section 18.8 Summary, Page 18-46; lines 24 to 34

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 18.5.3 Effects Assessment Page 171</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>○ Related to the ability to use and access Crown lands and waters</li> </ul> </li> </ul>	<p>Section 18.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 18-20; lines 23 to 39; Table 18.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haida Nation Interests, Page 18-21</p> <p>Section 18.5.6.3 Changes that Affect Aspects of Haida Nation Governance, Page 18-42; lines 31 to 42</p> <p>Section 18.5.6.4 Changes to Aboriginal Title and Rights, Page 18-45; lines 8 to 20</p> <p>Section 18.8 Summary, Page 18-46; lines 24 to 34</p>
<p>Section 18.5.3 Effects Assessment Page 171</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>○ Cultural/experiential (e.g., presence of industrial activity disrupts peaceful enjoyment)</li> </ul> </li> </ul>	<p>Section 18.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 18-20; lines 23 to 39</p> <p>Table 18.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haida Nation Interests, Page 18-21</p> <p>Section 18.5.6.1 Changes in Consumption and Harvest – Project Pathways, Page 18-30; line 35 to Page 18-31; line 19</p> <p>Section 18.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important, Page 18-37; line 28 to Page 18-38; line 8</p> <p>Section 18.8 Summary, Page 18-46; lines 24 to 34</p>
<p>Section 18.5.3 Effects Assessment Page 171</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Identification of effects to be carried forward from pathways determined to be consequential or requiring mitigation.</li> </ul>	<p>Section 18.5.4.2 Project Interactions, Page 18-21; lines 1 to 20; Table 18.5.3 Potential Project Interactions with Haida Nation's Interests, Page 18-22 to Page 18-23</p>
<p>Section 18.5.3 Effects Assessment Page 171</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of VCs and indicators used to assess effects carried forward.</li> </ul>	<p>Section 18.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 18-20; lines 23 to 39</p> <p>Table 18.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Haida Nation Interests, Page 18-21</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 18.5.3 Effects Assessment Page 171	The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include: <ul style="list-style-type: none"> <li>Description of any assessment methods and analysis used to undertake the assessment of effects to the Indigenous interest.</li> </ul>	Section 18.5.4.3 Assessment Methods, Page 18-24; line 1 to Page 18-27; line 12
Section 18.5.4 Mitigation and Enhancement Measures Page 172	The Application will include information regarding: <ul style="list-style-type: none"> <li>Project design and mitigations identified for the relevant VCs that are proposed to mitigate effects on Indigenous Interests.</li> </ul>	Section 18.5.5 Mitigation and/or Enhancement Measures, Page 18-27; lines 13 to 22 Table 18.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Haida Nation, Page 18-28
Section 18.5.4 Mitigation and Enhancement Measures Page 172	The Application will include information regarding: <ul style="list-style-type: none"> <li>Additional mitigations and enhancement measures that are specific to the Indigenous Nation or Indigenous interest.</li> </ul>	Section 18.5.5 Mitigation and/or Enhancement Measures, Page 18-27; lines 13 to 22 Table 18.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Haida Nation, Page 18-28
Section 18.5.4 Mitigation and Enhancement Measures Page 172	The Application will include information regarding: <ul style="list-style-type: none"> <li>Proposed monitoring initiatives or review processes related to the effect on the Indigenous interest, as applicable.</li> </ul>	Section 18.5.5 Mitigation and/or Enhancement Measures, Page 18-27; lines 13 to 22 Table 18.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Haida Nation, Page 18-28 Section 18.5.7 Characterization of Residual Effects, Page 18-45; lines 21 to 25
Section 18.5.4 Mitigation and Enhancement Measures Page 172	Perspectives on the effectiveness of the mitigation options will be presented as well as the relative level of uncertainty or risk associated with the mitigation option(s).	Section 18.5.5 Mitigation and/or Enhancement Measures, Page 18-27; lines 13 to 22 Table 18.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Haida Nation, Page 18-28 Section 18.7 Haida Nation Views, Page 18-46; lines 7 to 23



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 18.5.5 Assessing Adverse Effects Page 172	The Application will provide a detailed description of the assessment of adverse effects to Indigenous Interests that are anticipated as a result of the Project, and present the results of this assessment, after taking mitigation into account.	Section 18.5.6.1 Changes in Consumption and Harvest, Page 18-29; line 10 to Page 18-37; line 10 Section 18.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features, Page 18-37; line 11 to Page 18-41; line 8 Section 18.5.6.3 Changes that Affect Haida Nation Governance, Page 18-41; line 9 to Page 18-45; line 7 Section 18.5.6.4 Changes to Aboriginal Title and Rights, Page 18-45; lines 8 to 20 Section 18.5.7 Characterization of Residual Effects, Page 18-45; lines 21 to 25
Section 18.5.5 Assessing Adverse Effects Page 172	It will describe proposed monitoring initiatives or review processes related to the effect on Indigenous interest.	Section 18.5.5 Mitigation and/or Enhancement Measures, Page 18-27; lines 13 to 22; Table 18.5.5 Mitigation and/or Enhancement Measures, Review Processes and Monitoring Initiatives for Haida Nation, Page 18-28 Section 18.5.7 Characterization of Residual Effects, Page 18-45; lines 21 to 25
Section 18.5.6 Characterization of Residual Effects Page 172	The Application will provide a characterization of residual effects of the Project to the Indigenous interest.	Section 18.5.6 Assessing Adverse Effects, Page 18-29; line 1 to Page 18-45; line 25 Section 18.5.6.1 Changes in Consumption and Harvest – Characterization of Project Residual Effects, Page 18-37; lines 1 to 10 Section 18.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features – Characterization of Project Residual Effects, Page 18-41; lines 1 to 8 Section 18.5.6.3 Changes that Affect Haida Nation Governance – Characterization of Project Residual Effects, Page 18-45; lines 1 to 7 Section 18.5.7 Characterization of Residual Effects, Page 18-45; lines 21 to 25



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 18.5.6 Characterization of Residual Effects Page 172</p>	<p>This will include information on the socio-cultural context of the Indigenous interest and the potential for effects on the broader social, economic, health status of the Nation from residual effects to Indigenous interest.</p>	<p>Section 18.5.6.1 Changes in Consumption and Harvest, Page 18-29; line 10 to Page 18-37; line 10</p> <p>Section 18.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features, Page 18-37; line 11 to Page 18-41; line 8</p> <p>Section 18.5.6.3 Changes that Affect Haida Nation Governance, Page 18-41; line 9 to Page 18-45; line 7</p> <p>Section 18.5.6.4 Changes to Aboriginal Title and Rights, Page 18-45; lines 8 to 20</p> <p>Section 18.5.7 Characterization of Residual Effects, Page 18-45; lines 21 to 25</p>
<p>Section 18.5.7 Cumulative Effects Page 172</p>	<p>The Application will include an assessment of the Project's contribution to cumulative effects on the Indigenous interest and identify any additional mitigation measures.</p>	<p>Section 18.5.8 Cumulative Effects, Page 18-45; lines 26 to 37</p>
<p>Section 18.5.7 Cumulative Effects Page 172</p>	<p>The Application will describe the likelihood of any adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.</p>	<p>Section 18.5.8 Cumulative Effects, Page 18-45; lines 26 to 37</p>
<p>Section 18.6 Assessing Positive Effects Page 172</p>	<p>The Application will describe any positive effects to Indigenous Interests or the Nation overall that are anticipated as a result of the Project and its associated effects management approaches.</p>	<p>Section 18.6 Assessing Positive Effects, Page 18-46; line 1 to 7</p>
<p>Section 18.7 Haida Nation Views Page 173</p>	<p>The Application will describe how Cedar engaged with the Indigenous Nation, including any collaboration with the Indigenous Nation, or integrated the Nation's perspectives into, the assessment of effects on Indigenous Interests, including both positive and adverse effects.</p>	<p>Section 18.7 Haida Nation Views, Page 18-46; lines 7 to 23</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 18.7 Haida Nation Views Page 173	The Application will clearly state any views of the Nation on the potential positive and/or adverse effects identified, approach to effects management, residual effects, and conclusions.	Section 18.7 Haida Nation Views, Page 18-46; lines 7 to 23
Section 18.8 Summary Page 173	The Application will include a summary of the assessment for the Indigenous Nation outlining the residual effects on Indigenous Interests for the EAO to consider when determining the overall seriousness of impact to the Indigenous Interests, outline any major points of agreement or disagreement with the Nation, and describe efforts taken to address any points of disagreement.	Section 18.5.7 Characterization of Residual Effects, Page 18-45; lines 21 to 25 Section 18.8 Summary, Page 18-46; lines 24 to 34
Section 19.0 Métis Nation British Columbia Page 173	The Application will include an assessment of the effects of the Project on Métis Nation British Columbia Interests as described in Section 6.0, or following other assessment methods developed in consultation with Métis Nation British Columbia.	Sections 19.5 Assessing Effects on Métis Nation British Columbia Interests, Page 19-9; line 1 to Page 19-66; line 30 Section 19.6 Assessing Positive Effects, Page 11-89; lines 18 to 25
Section 19.0 Métis Nation British Columbia Page 173	The assessment in the Application will be informed by engagement with Métis Nation British Columbia.	Section 19.3 Métis Nation British Columbia Summary of Engagement, Page 19-7; lines 19 to 37 to Page 19-8; lines 1 to 2
Section 19.0 Métis Nation British Columbia Page 173	In upcoming consultation activities, Cedar will work with Métis Nation British Columbia to develop an understanding of Métis Nation key areas of concern and any associated potential effects on Indigenous Interests to be included in the assessment.	Section 19.3.1 Key Areas of Concern Page 19-8; lines 3 to 17 Section 19.5.2 Preliminary List of Potential Effects, Page 19-12; lines 1 to 10 Section 19.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 19-16; line 1 to 17 Table 19.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Métis Nation British Columbia Interests, Page 19-16 to Page 19-17 Section 19.8 Summary, Page 19-67; lines 15 to 26



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 19.1 Overview and Context Page 173</p>	<p>The Application will include background information on each Indigenous Nation including ethnography, language, governance, economy, population, communities, Reserves, Indigenous land use plans (with reference to Section 2.3 as applicable), health and social conditions and other contextual information the Nation provides to Cedar and identifies as important to understanding the impacts of the Project on their Nation.</p>	<p>Section 19.1 Overview and Context, Page 19-1; line 24 to Page 19-6; line 16 Section 19.2 Existing Conditions, Page 19-6; line 17 to Page 19-7; line 2</p>
<p>Section 19.1 Overview and Context Page 174</p>	<p>The assessment for each Indigenous Nation will include an overview of the understanding of Indigenous Interests in the area that could be affected by the Project.</p>	<p>Section 19.1 Overview and Context, Page 19-1; line 24 to Page 19-6; line 16 Section 19.2 Existing Conditions, Page 19-6; line 17 to Page 19-7; line 2 Section 19.5.2 Preliminary List of Potential Effects, Page 19-12; lines 1 to 10 Section 19.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 19-16; line 1 to 17 Table 19.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Métis Nation British Columbia Interests, Page 19-16 to Page 19-17 Section 19.8 Summary, Page 19-67; lines 15 to 26</p>
<p>Section 19.1 Overview and Context Page 174</p>	<p>Indigenous Interests will include impacts to Aboriginal or treaty rights recognized and affirmed by section 35 of the <i>Constitution Act</i>, 1982 as well as any other Interests identified by the Nation.</p>	<p>Section 19.1 Overview and Context, Page 19-1; line 24 to Page 19-6; line 16 Section 19.2 Existing Conditions, Page 19-6; line 17 to Page 19-7; line 2 Section 19.5.2 Preliminary List of Potential Effects, Page 19-12; lines 1 to 10 Section 19.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 19-16; line 1 to 17 Table 19.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Métis Nation British Columbia Interests, Page 19-16 to Page 19-17 Section 19.8 Summary, Page 19-67; lines 15 to 26</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 19.1 Overview and Context Page 174	Information in this section will be developed through engagement with the Nation and include: <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding:                             <ul style="list-style-type: none"> <li>○ How Indigenous laws, governance or customs apply to this area, including how those processes may have evolved over time, and how they should be used to review the potential impacts of the Project on Indigenous Interests.</li> </ul> </li> </ul>	Section 19.1.2 Ethnography, Page 19-2; line 30 to Page 19-3; line 16 Section 19.1.5 Governance, Page 19-4; lines 1 to 30
Section 19.1 Overview and Context Page 174	Information in this section will be developed through engagement with the Nation and include: <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding:                             <ul style="list-style-type: none"> <li>○ Indigenous laws, customs, or requirements for the area including any existing Indigenous land use plans.</li> </ul> </li> </ul>	Section 2.3 Land and Marine Use Plans, Page 2-8; line 22 to Page 2-11; line 4 Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-13; line 26 Section 19.1.2 Ethnography, Page 19-2; line 30 to Page 19-3; line 16 Section 19.1.4 Planning Initiatives and Land Use Plans, Page 19-3; lines 27 to 39 Section 19.1.5 Governance, Page 19-4; lines 1 to 30
Section 19.1 Overview and Context Page 174	Information in this section will be developed through engagement with the Nation and include: <ul style="list-style-type: none"> <li>• An overview of the Nation’s governance context of the area affected by the Project including information regarding:                             <ul style="list-style-type: none"> <li>○ Agreements with other Nations regarding governance of areas of territory overlap, as relevant to the Project.</li> </ul> </li> </ul>	Section 2.4 Indigenous Nation Arrangements, Page 2-11; line 5 to Page 2-13; line 26 Section 19.1.4 Planning Initiatives and Land Use Plans, Page 19-3; lines 27 to 39 Section 19.1.5 Governance, Page 19-4; lines 1 to 30



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 19.1 Overview and Context</p> <p>Page 174</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>A list of the Indigenous Interests that may be impacted by the Project.</li> </ul>	<p>Section 19.5.2 Preliminary List of Potential Effects, Page 19-12; lines 1 to 10</p> <p>Section 19.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 19-16; line 1 to 17</p> <p>Table 19.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Métis Nation British Columbia Interests, Page 19-16 to Page 19-17</p> <p>Section 19.8 Summary, Page 19-67; lines 15 to 26</p>
<p>Section 19.1 Overview and Context</p> <p>Page 174</p>	<p>Information in this section will be developed through engagement with the Nation and include:</p> <ul style="list-style-type: none"> <li>A summary of historic and current use of the area in the vicinity of the Project by Indigenous people over time including consideration of cumulative effects, and practices in the vicinity of the Project with regard to the Indigenous Interests. This summary will include any site-specific use values present in the vicinity of the Project, which are areas identified and/or mapped by Indigenous Nations as having environmental, cultural, spiritual, transportation, subsistence and habitation value.</li> </ul>	<p>Section 19.1 Overview and Context, Page 19-1; line 24 to Page 19-6; line 16</p> <p>Section 19.2 Existing Conditions, Page 19-6; line 17 to Page 19-7; line 2</p>
<p>Section 19.2 Existing Conditions</p> <p>Page 174</p>	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>Describe historic and current use of the area in the vicinity of the Project by Indigenous people over time including consideration of cumulative effects.</li> </ul>	<p>Section 19.1 Overview and Context, Page 19-1; line 24 to Page 19-6; line 16</p> <p>Section 19.2 Existing Conditions, Page 19-6; line 17 to Page 19-7; line 2</p>
<p>Section 19.2 Existing Conditions</p> <p>Page 174</p>	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>Describe practices in the vicinity of the Project with regard to Indigenous Interests (including reference to specific sites and species of Interests, where applicable).</li> </ul>	<p>Section 19.1 Overview and Context, Page 19-1; line 24 to Page 19-6; line 16</p> <p>Section 19.2 Existing Conditions, Page 19-6; line 17 to Page 19-7; line 2</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 19.2 Existing Conditions Page 174</p>	<p>As applicable and to the extent that information is available, the Application will:</p> <ul style="list-style-type: none"> <li>• Describe the relative importance of the Project Area, transmission line corridor and surroundings, including any special characteristics or unique features, to Indigenous Interests.</li> </ul>	<p>Section 1.3.1 Infrastructure and Shipping Route, Page 1-5; line 4 to Page 1-6; line 8 Section 1.3.3 Indigenous Territories, Page 1-9; lines 15 to 27 Section 19.1 Overview and Context, Page 19-1; line 24 to Page 19-6; line 16 Section 19.1.1 Métis Nation British Columbia Traditional Territory Page 19-2; lines 1 to 29. Section 19.2 Existing Conditions, Page 19-6; line 17 to Page 19-7; line 2 Section 19.5.6 Assessing Adverse Effects, Page 19-25; line 1 to Page 19-50; line 38</p>
<p>Section 19.3 Summary of Engagement Page 175</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Engagement activities undertaken with the Nation including the timeframe, means, and results of engagement.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 19.3 Métis Nation British Columbia Summary of Engagement, Page 19-7; lines 19 to 37 to Page 19-8; lines 1 to 2 Section 19.7 Métis Nation British Columbia Views, Page 19-67; lines 1 to 14 Section 19.8 Summary, Page 19-67; lines 15 to 26 Section 19.8.2 Follow-up Strategy, Page 19-68; lines 4 to 17</p>
<p>Section 19.3 Summary of Engagement Page 175</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Efforts to engage diverse populations of the Nation community in culturally appropriate ways, including Indigenous local group/subgroup (e.g., clan, family) areas within the broader traditional territory, and groups identified by gender, age, or other community relevant factors.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 19.3 Métis Nation British Columbia Summary of Engagement, Page 19-7; lines 19 to 37 to Page 19-8; lines 1 to 2 Section 11.8.2 Follow-up Strategy, Page 19-68; lines 4 to 17</p>



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<p>Section 19.3 Summary of Engagement Page 175</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ How engagement activities conducted by Cedar support the Nation to understand the Project and its effects on the Nation and its Interests.</li> </ul> </li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26</p> <p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 19.3 Métis Nation British Columbia Summary of Engagement, Page 19-7; lines 19 to 37 to Page 19-8; lines 1 to 2</p> <p>Section 11.8.2 Follow-up Strategy, Page 19-68; lines 4 to 17</p>
<p>Section 19.3 Summary of Engagement Page 175</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• A summary of past and planned engagement activities that describes the efforts taken to seek the views of each Indigenous Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ The Nation's views on Cedar's consultation approach and resolution of issues raised when provided.</li> </ul> </li> </ul>	<p>Section 19.3 Métis Nation British Columbia Summary of Engagement, Page 19-7; lines 19 to 37 to Page 19-8; lines 1 to 2</p> <p>Section 19.7 Métis Nation British Columbia Views, Page 19-67; lines 1 to 14</p>
<p>Section 19.3 Summary of Engagement Page 175</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ A description of how Cedar responded to questions, comments and issues raised by the Nation, the Nation's perspective on the resolution of issues, how unresolved input has been addressed in the Application, and/or how unresolved input will be addressed through the assessment.</li> </ul> </li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 19.3 Métis Nation British Columbia Summary of Engagement, Page 19-7; lines 19 to 37 to Page 19-8; lines 1 to 2</p> <p>Section 19.8 Summary, Page 19-67; lines 15 to 26</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 19.3 Summary of Engagement Page 175</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation's perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Development and collection of baseline information</li> </ul> </li> </ul> </li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 19.1 Overview and Context, Page 19-1; line 24 to Page 19-6; line 16 Section 19.2 Existing Conditions, Page 19-6; line 17 to Page 19-7; line 2 Section 19.3 Métis Nation British Columbia Summary of Engagement, Page 19-7; lines 19 to 37 to Page 19-8; lines 1 to 2 Section 19.3.1 Key Areas of Concern Page 19-8; lines 3 to 17 Section 19.5.1 Scope of the Assessment, Page 19-9; lines 1 to 17</p>
<p>Section 19.3 Summary of Engagement Page 175</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation's perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Plans for construction, operation, or decommissioning</li> </ul> </li> </ul> </li> </ul>	<p>Section 1.1 Project Context, Page 1-1; line 5 to Page 1-2; line 29 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 19.3 Métis Nation British Columbia Summary of Engagement, Page 19-7; lines 19 to 37 to Page 19-8; lines 1 to 2 Section 19.3.1 Key Areas of Concern Page 19-8; lines 3 to 17 Section 11.8.2 Follow-up Strategy, Page 19-68; lines 4 to 17</p>
<p>Section 19.3 Summary of Engagement Page 175</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>• An analysis of the input received from the Nation with respect to the Project including: <ul style="list-style-type: none"> <li>○ Where and how the Nation's perspectives were integrated into or contributed to decisions regarding the Project, including: <ul style="list-style-type: none"> <li>▪ Identification of VCs</li> </ul> </li> </ul> </li> </ul>	<p>Section 19.3.1 Key Areas of Concern Page 19-8; lines 3 to 17 Section 19.5.1 Scope of the Assessment, Page 19-9; lines 1 to 17 Section 19.5.2 Preliminary List of Potential Effects, Page 19-12; lines 1 to 10 Section 19.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 19-16; line 1 to 17 Table 19.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Métis Nation British Columbia Interests, Page 19-16 to Page 19-17 Section 19.8 Summary, Page 19-67; lines 15 to 26</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 19.3 Summary of Engagement Page 175</p>	<p>The Application will include:</p> <ul style="list-style-type: none"> <li>Information regarding any arrangement or agreement between Cedar and the Nation for collaboration on the development of the Application or delivery of the Project, subject to confidentiality terms. This includes agreements related to the delivery of studies, capacity funding agreements and agreements regarding the use of Indigenous knowledge.</li> </ul>	<p>Section 2.4.3 Cedar Arrangements, Page 2-13; line 19 to 26 Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39 Section 19.3 Métis Nation British Columbia Summary of Engagement, Page 19-7; lines 19 to 37 to Page 19-8; lines 1 to 2</p>
<p>Section 19.4 Information Sources Page 176</p>	<p>The sources of information used in preparing the assessment of effects on the Indigenous Nation will be clearly identified, noting where information represents the views of the Nation, Cedar or otherwise.</p>	<p>Section 19.4 Information Sources, Page 19-8; lines 18 to 27</p>
<p>Section 19.4 Information Sources Page 176</p>	<p>Information sources that include Indigenous knowledge will be clearly labeled as such.</p>	<p>Section 19.4 Information Sources, Page 19-8; lines 18 to 27</p>
<p>Section 19.4 Information Sources Page 176</p>	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>An outline of the steps taken by Cedar to work with the Indigenous Nation to incorporate Indigenous knowledge including a summary of any agreement with the Nation regarding the use, application and interpretation of Indigenous knowledge (e.g., Memorandum of Understanding).</li> </ul>	<p>Section 19.3 Métis Nation British Columbia Summary of Engagement, Page 19-7; lines 19 to 37 to Page 19-8; lines 1 to 2 Section 19.4 Information Sources, Page 19-8; lines 18 to 27</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 19.4 Information Sources Page 176	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>• Identification of how and when Indigenous Nation were provided the opportunity to confirm that the information sources were appropriate for public disclosure.</li> </ul>	<p>Section 19.3 Métis Nation British Columbia Summary of Engagement, Page 19-7; lines 19 to 37 to Page 19-8; lines 1 to 2</p> <p>Section 19.4 Information Sources, Page 19-8; lines 18 to 27</p>
Section 19.4 Information Sources Page 176	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>• A description of how Indigenous knowledge informed the Project design, the assessment, proposed mitigation measures or any other aspect of the assessment.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 6.5 Existing Conditions, Page 6-9 to Page 6-11.</p> <p>Section 19.4 Information Sources, Page 19-8; lines 18 to 27</p> <p>Sections 19.5 Assessing Effects on Métis Nation British Columbia Interests, Page 19-9; line 1 to Page 19-66; line 30</p>
Section 19.4 Information Sources Page 176	<p>Regarding the collection and use of Indigenous knowledge, the Application will include:</p> <ul style="list-style-type: none"> <li>• If applicable, a plan for future cooperation between Cedar and the Nation to further consider Indigenous knowledge in project implementation, for example monitoring and management plans.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39.</p> <p>Section 19.4 Information Sources, Page 19-8; lines 18 to 27</p> <p>Section 11.8.2 Follow-up Strategy, Page 19-68; lines 4 to 17</p>
Section 19.5.1 Scope of the Assessment Page 176	<p>The Application will:</p> <ul style="list-style-type: none"> <li>• Identify the potential effects of the proposed Project on Indigenous Interests that will be assessed.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 19.5.2 Preliminary List of Potential Effects, Page 19-12; lines 1 to 10</p> <p>Section 19.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 19-16; line 1 to 17</p> <p>Table 19.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Métis Nation British Columbia Interests, Page 19-16 to Page 19-17</p> <p>Section 19.8 Summary, Page 19-67; lines 15 to 26</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
<p>Section 19.5.1 Scope of the Assessment Page 176</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe how the Indigenous interest was identified, through engagement with the Indigenous Nation or otherwise.</li> </ul>	<p>Section 6.2 Influence of Consultation and Engagement, Page 6-7; lines 1 to 39</p> <p>Section 19.1 Overview and Context, Page 19-1; line 24 to Page 19-6; line 16</p> <p>Section 19.3 Métis Nation British Columbia Summary of Engagement, Page 19-7; lines 19 to 37 to Page 19-8; lines 1 to 2</p> <p>Section 19.4 Information Sources, Page 19-8; lines 18 to 27</p> <p>Section 19.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 19-16; line 1 to 17</p> <p>Table 19.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Métis Nation British Columbia Interests, Page 19-16 to Page 19-17</p> <p>Section 19.8 Summary, Page 19-67; lines 15 to 26</p>
<p>Section 19.5.1 Scope of the Assessment Page 176</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Summarize the VCs used in the assessment of effects on the Indigenous interest and whether they were carried forward from Section 6.1 or developed specifically for the assessment of the Indigenous interest.</li> </ul>	<p>Section 19.5.1 Scope of the Assessment, Page 19-9; lines 1 to 17</p>
<p>Section 19.5.1 Scope of the Assessment Page 176</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe linkages with other Indigenous Interests</li> </ul>	<p>Section 19.5.1 Scope of the Assessment, Page 19-9; lines 1 to 17</p>
<p>Section 19.5.2 Assessment Boundaries Page 177</p>	<p>The Application will define the assessment boundaries for assessing the effects on the Indigenous interest, including spatial and temporal boundaries, with reference to the spatial and temporal boundaries used for the VC assessments in Section 7.0, as applicable.</p>	<p>Section 19.5.3 Assessment Boundaries, Page 19-12; line 11 to Page 19-14; line 23</p>
<p>Section 19.5.2 Assessment Boundaries Page 177</p>	<p>Where relevant, administrative and technical boundaries will also be identified.</p>	<p>Section 19.5.3.3 Administrative and Technical Boundaries, Pages 19-15; lines 1 to 25</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 19.5.3 Effects Assessment Page 177</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>○ Biophysical (e.g., effects to wildlife and habitat)</li> </ul> </li> </ul>	<p>Section 19.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 19-16; line 1 to 17</p> <p>Table 19.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Métis Nation British Columbia Interests, Page 19-16 to Page 19-17</p> <p>Section 19.5.6.1 Changes in Consumption and Harvest – Project Pathways, Page 19-26; lines 4 to 34</p> <p>Section 19.8 Summary, Page 19-67; lines 15 to 26</p>
<p>Section 19.5.3 Effects Assessment Page 177</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>○ Related to the ability to use and access Crown lands and waters</li> </ul> </li> </ul>	<p>Section 19.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 19-16; line 1 to 17</p> <p>Table 19.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Métis Nation British Columbia Interests, Page 19-16 to Page 19-17</p> <p>Section 19.5.6.3 Changes that Affect Aspects of Métis Governance – Project Pathways, Page 19-34; lines 25 to 39</p> <p>Section 19.5.6.4 Changes to Aboriginal Rights, Page 19-50; lines 1 to 17</p> <p>Section 19.8 Summary, Page 19-67; lines 15 to 26</p>
<p>Section 19.5.3 Effects Assessment Page 177</p>	<p>The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include:</p> <ul style="list-style-type: none"> <li>• Description of the potential pathways by which the Project components and activities could impact the Indigenous interest. Effects may occur through multiple pathways including but not limited to the following: <ul style="list-style-type: none"> <li>○ Cultural/experiential (e.g., presence of industrial activity disrupts peaceful enjoyment)</li> </ul> </li> </ul>	<p>Section 19.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 19-16; line 1 to 17</p> <p>Table 19.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Métis Nation British Columbia Interests, Page 19-16 to Page 19-17</p> <p>Section 19.5.6.1 Changes in Consumption and Harvest – Project Pathways, Page 19-26; lines 4 to 34</p> <p>Section 19.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features – Project Pathways, Page 19-34; lines 25 to 39</p> <p>Section 19.8 Summary, Page 19-67; lines 15 to 26</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 19.5.3 Effects Assessment Page 177	The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include: <ul style="list-style-type: none"> <li>• Identification of effects to be carried forward from pathways determined to be consequential or requiring mitigation.</li> </ul>	Section 19.5.4.2 Project Interactions, Pages 19-17; line 1 to Page 19-19; line 5 Table 19.5.3 Potential Project Interactions with Métis Nation British Columbia Interests, Page 19-18 to Page 19-19
Section 19.5.3 Effects Assessment Page 177	The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include: <ul style="list-style-type: none"> <li>• Description of VCs and indicators used to assess effects carried forward.</li> </ul>	Section 19.5.4.1 Selection of Potential Effects and Indicators/Measurable Parameters, Page 19-16; line 1 to 17 Table 19.5.2 Potential Effects, Effect Pathways and Indicators/Measurable Parameters for Métis Nation British Columbia Interests, Page 19-16 to Page 19-17
Section 19.5.3 Effects Assessment Page 177	The Application will include an assessment of the effects of the Project on Indigenous Interests. This will include: <ul style="list-style-type: none"> <li>• Description of any assessment methods and analysis used to undertake the assessment of effects to the Indigenous interest.</li> </ul>	Section 19.5.4.3 Assessment Methods, Page 19-19 to Page 19-22.
Section 19.5.4 Mitigation and Enhancement Measures Page 177	The Application will include information regarding: <ul style="list-style-type: none"> <li>• Project design and mitigations identified for the relevant VCs that are proposed to mitigate effects on Indigenous Interests.</li> </ul>	Section 19.5.5 Mitigation and Enhancement, Page 19-23; lines 1 to 10 Table 19.5.5 Mitigation Enhancement Measures, Review Process and Monitoring Initiatives for Métis Nation British Columbia, Page 19-24
Section 19.5.4 Mitigation and Enhancement Measures Page 177	The Application will include information regarding: <ul style="list-style-type: none"> <li>• Additional mitigations and enhancement measures that are specific to the Indigenous Nation or Indigenous interest.</li> </ul>	Section 19.5.5 Mitigation and Enhancement, Page 19-23; lines 1 to 10 Table 19.5.5 Mitigation Enhancement Measures, Review Process and Monitoring Initiatives for Métis Nation British Columbia, Page 19-24
Section 19.5.5 Mitigation and Enhancement Measures Page 177	The Application will include information regarding: <ul style="list-style-type: none"> <li>• Proposed monitoring initiatives or review processes related to the effect on the Indigenous interest, as applicable.</li> </ul>	Section 19.5.5 Mitigation and Enhancement, Page 19-23; lines 1 to 10 Table 19.5.5 Mitigation Enhancement Measures, Review Process and Monitoring Initiatives for Métis Nation British Columbia, Page 19-24 Section 19.5.7 Characterization of Residual Effects, Page 19-50; lines 18 to 38



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 19.5.4 Mitigation and Enhancement Measures Page 177	<p>The Application will include information regarding:</p> <ul style="list-style-type: none"> <li>Perspectives on the effectiveness of the mitigation options will be presented as well as the relative level of uncertainty or risk associated with the mitigation option(s).</li> </ul>	<p>Section 19.5.5 Mitigation and Enhancement, Page 19-23; lines 1 to 10</p> <p>Table 19.5.5 Mitigation Enhancement Measures, Review Process and Monitoring Initiatives for Métis Nation British Columbia, Page 19-24</p> <p>Section 19.7 Métis Nation British Columbia Views, Page 19-67; lines 1 to 14</p>
Section 19.5.5 Assessing Adverse Effects Page 178	<p>The Application will provide a detailed description of the assessment of adverse effects to Indigenous Interests that are anticipated as a result of the Project, and present the results of this assessment, after taking mitigation into account.</p>	<p>Section 19.5.6.1 Changes in Consumption and Harvest, Page 19-25; line 11 to Page 19-34; line 12</p> <p>Section 19.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features, Page 19-34; line 13 to Page 19-42; line 7</p> <p>Section 19.5.6.3 Changes that Affect Aspects of Métis Governance, Page 19-42; line 8 to Page 19-49; line 39</p> <p>Section 19.5.6.4 Changes to Aboriginal Rights, Page 19-50; lines 1 to 17</p> <p>Section 19.5.7 Characterization of Residual Effects, Page 19-50; lines 18 to 38</p>
Section 19.5.5 Assessing Adverse Effects Page 178	<p>It will describe proposed monitoring initiatives or review processes related to the effect on Indigenous interest.</p>	<p>Section 19.5.5 Mitigation and Enhancement, Page 19-23; lines 1 to 10</p> <p>Table 19.5.5 Mitigation Enhancement Measures, Review Process and Monitoring Initiatives for Métis Nation British Columbia, Page 19-24</p> <p>Section 19.5.7 Characterization of Residual Effects, Page 19-50; lines 18 to 38</p>
Section 19.5.6 Characterization of Residual Effects Page 178	<p>The Application will provide a characterization of residual effects of the Project to the Indigenous interest.</p>	<p>Section 19.5.6 Assessing Adverse Effects, Page 19-25; line 1 to Page 19-50; line 38</p> <p>Section 19.5.6.1 Changes in Consumption and Harvest, Page 19-25; line 11 to Page 19-34; line 12</p> <p>Section 19.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features, Page 19-34; line 13 to Page 19-42; line 7</p> <p>Section 19.5.6.3 Changes that Affect Aspects of Métis Governance, Page 19-42; line 8 to Page 19-49; line 39</p> <p>Section 19.5.7 Characterization of Residual Effects, Page 19-50; lines 18 to 38</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 19.5.6 Characterization of Residual Effects Page 178</p>	<p>This will include information on the socio-cultural context of the Indigenous interest and the potential for effects on the broader social, economic, health status of the Nation from residual effects to Indigenous interest.</p>	<p>Section 19.5.6.1 Changes in Consumption and Harvest, Page 19-25; line 11 to Page 19-34; line 12</p> <p>Section 19.5.6.2 Changes in the Use and Integrity of Sacred and Culturally Important Sites and Landscape Features, Page 19-34; line 13 to Page 19-42; line 7</p> <p>Section 19.5.6.3 Changes that Affect Aspects of Métis Governance, Page 19-42; line 8 to Page 19-49; line 39</p> <p>Section 19.5.6.4 Changes to Aboriginal Rights, Page 19-50; lines 1 to 17</p> <p>Section 19.5.7 Characterization of Residual Effects, Page 19-50; lines 18 to 38</p>
<p>Section 19.5.7 Cumulative Effects Page 178</p>	<p>The Application will include an assessment of the Project's contribution to cumulative effects on the Indigenous interest and identify any additional mitigation measures.</p>	<p>Section 19.5.8 Cumulative Effects, Page 19-52; line 1 to Page 19-66; line 30</p>
<p>Section 19.5.7 Cumulative Effects Page 178</p>	<p>The Application will describe the likelihood of any adverse residual cumulative effects and provide a summary of the results of the cumulative effects assessment.</p>	<p>Section 19.5.8.4 Residual Cumulative Effects on Métis Nation British Columbia Interests, Page 19-66; lines 5 to 25</p> <p>Section 19.5.8.5 Likelihood of Residual Cumulative Effects, Page 19-66; lines 26 to 30</p>
<p>Section 19.6 Assessing Positive Effects Page 178</p>	<p>The Application will describe any positive effects to Indigenous Interests or the Nation overall that are anticipated as a result of the Project and its associated effects management approaches.</p>	<p>Section 19.6 Assessing Positive Effects, Page 19-66; lines 31 to 39</p>
<p>Section 19.7 Indigenous Nation Views Page 178</p>	<p>The Application will describe how Cedar engaged with the Indigenous Nation, including any collaboration with the Indigenous Nation, or integrated the Nation's perspectives into, the assessment of effects on Indigenous Interests, including both positive and adverse effects.</p>	<p>Section 19.7 Métis Nation British Columbia Views, Page 19-67; lines 1 to 14</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 19.7 Indigenous Nation Views Page 178	The Application will clearly state any views of the Nation on the potential positive and/or adverse effects identified, approach to effects management, residual effects, and conclusions.	Section 19.7 Métis Nation British Columbia Views, Page 19-67; lines 1 to 14
Section 19.8 Summary Page 178	The Application will include a summary of the assessment for the Indigenous Nation outlining the residual effects on Indigenous Interests for the EAO to consider when determining the overall seriousness of impact to the Indigenous Interests, outline any major points of agreement or disagreement with the Nation, and describe efforts taken to address any points of disagreement.	Section 19.5.7 Characterization of Residual Effects, Page 19-50; lines 18 to 38 Section 19.8 Summary, Page 19-67; lines 15 to 26
Section 20.0 Summary of Statutory Requirements under the Federal <i>Impact Assessment Act</i> Page 179	In the <u>Notice of Substitution Approval under the <i>Impact Assessment Act</i></u> issued by the Impact Assessment Agency of Canada (IAAC) on January 24, 2020, the substituted impact assessment process must: <ul style="list-style-type: none"> <li>Meet the legislative requirements of the <i>Impact Assessment Act</i>, including consideration of the factors set out in subsection 22(1) and the reporting requirements for substitution outlined in subsections 33(1) and (2).</li> </ul>	Section 20.0 Summary of Statutory Requirements under the Federal <i>Impact Assessment Act</i> , Page 20-1; line 1 to Page 20-20; line 39; Table 20.1.1 to 20.1.2
Section 20.0 Summary of Statutory Requirements under the Federal <i>Impact Assessment Act</i> Page 179	In the <u>Notice of Substitution Approval under the <i>Impact Assessment Act</i></u> issued by the Impact Assessment Agency of Canada (IAAC) on January 24, 2020, the substituted impact assessment process must: <ul style="list-style-type: none"> <li>Include an assessment of the potential effects of marine shipping activities associated with the Project, including potential effects of malfunctions or accidents and any potential cumulative effects.</li> </ul>	Section 20.0 Summary of Statutory Requirements under the Federal <i>Impact Assessment Act</i> , Page 20-1; line 1 to Page 20-20; line 39; Table 20.1.1 to 20.1.2



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 20.0 Summary of Statutory Requirements under the Federal <i>Impact Assessment Act</i> Page 179	In the <u>Notice of Substitution Approval under the <i>Impact Assessment Act</i></u> issued by the Impact Assessment Agency of Canada (IAAC) on January 24, 2020, the substituted impact assessment process must: <ul style="list-style-type: none"> <li>• Include the requirements of the Strategic Assessment of Climate Change, prepared by Environment and Climate Change Canada.</li> </ul>	Section 20.1 Concordance to Federal Requirements, Page 20-1; line 29 to 34; Table 20.1.1  Section 8.0 Greenhouse Gas Emissions, Page 8-1; line 1 to Page 8-23; line 21  Appendix 8B Strategic Assessment of Climate Change Technical Report
Section 20.1 Concordance to Federal Requirements	Table 20.1.1 below provides a concordance between the list of potential effects within federal jurisdiction, as established in section 2 (Definitions) of the <i>Impact Assessment Act</i> , and the information provided in the Application.	Section 20.1 Concordance to Federal Requirements, Page 20-1; line 29 to 34; Table 20.1.1; Table 20.1.2
Section 20.1 Concordance to Federal Requirements	Table 20.1.2 will provide a concordance between the factors that must be taken into account by an impact assessment of a designated project as per subsection 22(1) of the <i>Impact Assessment Act</i> , and where the relevant information is presented in the Application.	Section 20.1 Concordance to Federal Requirements, Page 20-1; line 29 to 34; Table 20.1.1; Table 20.1.2
Section 20.2 Alternatives to the Project Page 190	This section of the Application will discuss technically and economically feasible alternatives to the Project such that that the needs and purpose of the Project could be met. The analysis will validate that the preferred alternative is a reasonable approach.	Section 20.2 Alternatives to the Project, Page 20-15; line 1 to Page 20-16; line 20

AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
<p>Section 20.3 Contributions to Sustainability Page 190</p>	<p>This section of the Application will draw upon the results of Section 7.0 (all valued components), Section 21.0 (Summary of Biophysical Factors that Support Ecosystem Function), Section 22.0 (Summary of Human and Community Well-being), and Section 23.0 (Summary of Effects to Current and Future Generations) to describe the extent to which the Project contributes to sustainability. This will take into consideration IAAC's <i>Guidance: Considering the Extent to which a Project Contributes to Sustainability</i> and the principles for the sustainability analysis set out in <i>Policy Context: Public Interest Determination under the Impact Assessment Act</i></p>	<p>Section 20.3 Contributions to Sustainability, Page 20-16; line 21 to Page 20-20; line 39</p>
<p>Section 21.0 Summary of Biophysical Factors That Support Ecosystem Function Page 191</p>	<p>The Application will consider effects on biophysical factors that support ecosystem function based on the results of the VC assessments, including the cumulative effects assessments.</p>	<p>Section 21.0 Summary of Biophysical Factors that Support Ecosystem Function, Page 21-1; line 1 to Page 21-2; line 22</p>
<p>Section 21.0 Summary of Biophysical Factors That Support Ecosystem Function Page 191</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Provide an overview of the current ecosystem function in the vicinity of the Project at a landscape-level.</li> </ul>	<p>Section 21.2 Overview of Existing Ecosystem Function, Pages 21-2; line 23 to Page 21-4; line 35</p>
<p>Section 21.0 Summary of Biophysical Factors That Support Ecosystem Function Page 191</p>	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Identify the key biophysical factors that support ecosystem function.</li> </ul>	<p>Section 21.3 Key Biophysical Factors, Page 21-5; line 1 to Page 21-8; line 14; Table 21.3.1; Figure 21.3.1</p>



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 21.0 Summary of Biophysical Factors That Support Ecosystem Function Page 191	The Application will: <ul style="list-style-type: none"> <li>Discuss how the VC assessments and cumulative effects assessments considered effects on these biophysical factors.</li> </ul>	Section 21.4 Biophysical Factors in Valued Components Assessments, Page 21-8; line 15 to Page 21-10; Table 21.4.1
Section 21.0 Summary of Biophysical Factors That Support Ecosystem Function Page 191	The Application will: <ul style="list-style-type: none"> <li>Summarize the positive and adverse effects, including adverse cumulative effects, on biophysical factors that support ecosystem function based on appropriate information from the VC assessments.</li> </ul>	Section 21.5 Potential Effects on Biophysical Factors, Page 21-11; line 1 to Page 21-15; line 27  Section 21.7 Predicted Effects on Ecosystem Function, Page 21-15; line 28 to Page 21-16; line 28
Section 21.0 Summary of Biophysical Factors That Support Ecosystem Function Page 191	The Application will: <ul style="list-style-type: none"> <li>Identify any additional proposed measures required to manage potential effects on biophysical factors that support ecosystem function.</li> </ul>	Section 21.6 Mitigation and Enhancement Measures, Page 21-13; line 5 to Page 21-15; line 27
Section 21.0 Summary of Biophysical Factors That Support Ecosystem Function Page 191	The Application will: <ul style="list-style-type: none"> <li>Describe any predicted changes to ecosystem function as a result of the Project.</li> </ul>	Section 21.7 Predicted Effects on Ecosystem Function, Page 21-15; line 28 to Page 21-16; line 28
Section 22.0 Summary of Human and Community Well-being Page 191	This section of the Application will summarize the broad range of potential social, cultural, economic and health effects that contribute to changes in human and community well-being (i.e., social determinants of health), with the understanding that these effects can be highly dependent on each other and are inter-related.	Section 22.0 Summary of Human and Community Well-being, Page 22-1; line 1 to Page 22-39; line 40



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 22.0 Summary of Human and Community Well-being Page 191	The Application will consider linkages between potential project-related changes to environmental, economic, social and cultural factors, contributing to community well-being.	Section 22.2.1, Project Indicators and Pathways (Determinants of Health), Page 22-4; line 33 to 35; Table 22.2.1
Section 22.0 Summary of Human and Community Well-being Page 191	The Application will: <ul style="list-style-type: none"> <li>Acknowledge Haisla Nation's Comprehensive Community Plan</li> </ul>	Section 22.2.5.1 The Haisla Nation, Page 22-20; line 15 to Page 22-21; line 24
Section 22.0 Summary of Human and Community Well-being Page 191	<ul style="list-style-type: none"> <li>Provide an overview of the current state of human and community well-being in the vicinity of the Project from both a local and Indigenous perspective.</li> </ul>	Section 22.2 Current Status of Human and Community Well-being, Page 22-4; line 26 to Page 22-26; line 29; Table 22.2.1
Section 22.0 Summary of Human and Community Well-being Page 192	<ul style="list-style-type: none"> <li>Describe, or refer to the applicable section of the Application where the information is provided, baseline conditions identified for VCs linked to population health (e.g., employment and economy, infrastructure and services) that contribute to community well-being, such as: <ul style="list-style-type: none"> <li>Population demographics</li> </ul> </li> </ul>	Section 22.2.2. Population Demographic, Page 22-8; line 17 to 34
Section 22.0 Summary of Human and Community Well-being Page 192	<ul style="list-style-type: none"> <li>Describe, or refer to the applicable section of the Application where the information is provided, baseline conditions identified for VCs linked to population health (e.g., employment and economy, infrastructure and services) that contribute to community well-being, such as: <ul style="list-style-type: none"> <li>Personal health practices (e.g., substance use, diet, exercise)</li> </ul> </li> </ul>	Section 22.2.2 Population Health, Page 22-9; line 1 to Page 22-13; line 14; Table 22.2.2 to 22.2.6



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 22.0 Summary of Human and Community Well-being Page 192	<ul style="list-style-type: none"> <li>• Describe, or refer to the applicable section of the Application where the information is provided, baseline conditions identified for VCs linked to population health (e.g., employment and economy, infrastructure and services) that contribute to community well-being, such as:                             <ul style="list-style-type: none"> <li>○ Access to public lands for recreational and traditional uses</li> </ul> </li> </ul>	Section 22.2.4.2 Access to Public Lands for Recreational and Traditional Uses, Page 22-19; line 19 to Page 22-20; line 5.
Section 22.0 Summary of Human and Community Well-being Page 192	<ul style="list-style-type: none"> <li>• Describe, or refer to the applicable section of the Application where the information is provided, baseline conditions identified for VCs linked to population health (e.g., employment and economy, infrastructure and services) that contribute to community well-being, such as:                             <ul style="list-style-type: none"> <li>○ Access to healthcare services</li> </ul> </li> </ul>	Section 22.2.2 Population Health, Page 22-8, line 1 through Page 22-13 line 14 Section 22.2.3 Current Socio-Economic Status, Page 22-13; line 15 to Page 22-18; line 42; Table 22.2.7
Section 22.0 Summary of Human and Community Well-being Page 192	<ul style="list-style-type: none"> <li>• Summarize potential positive and adverse effects including adverse cumulative effects of the Project on human and community well-being based on the results of the VC assessments under social, economic and health and the assessment of effects to Indigenous Interests.</li> </ul>	Section 22.4 Project Residual Effects on Human and Community Well-being, Page 22-31; line 1 to Page 22-38; line 21
Section 22.0 Summary of Human and Community Well-being Page 192	<ul style="list-style-type: none"> <li>• Identify how the Project interacts differently with distinct human populations.</li> </ul>	Section 22.5 Differential Effects (GBA+), Page 22-38; line 22 to Page 22-39; line 40; Table 22.5.1
Section 22.0 Summary of Human and Community Well-being Page 192	<ul style="list-style-type: none"> <li>• Identify if the Project interacts with other factors that support human and community well-being that were not specifically assessed as part of a VC.</li> </ul>	Section 22.4.10 Personal Health Practices, Mental Health and Health Status, Page 22-36; line 26 to Page 22-38; line 21



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 22.0 Summary of Human and Community Well-being Page 192	<ul style="list-style-type: none"> <li>Identify any key measures proposed to manage potential effects on human and community well-being.</li> </ul>	Section 22.3 Summary of Mitigation and Enhancements Measures, Page 22-26; line 30 to 39; Table 22.3.1
Section 22.0 Summary of Human and Community Well-being Page 192	<ul style="list-style-type: none"> <li>Describe any anticipated changes to human and community well-being more generally as a result of the Project.</li> </ul>	Section 22.4.10 Personal Health Practices, Mental Health and Health Status, Page 22-36; line 26 to Page 22-38; line 21
Section 22.0 Summary of Human and Community Well-being Page 192	<ul style="list-style-type: none"> <li>Describe how the Project interacts differently with distinct human populations (GBA+).</li> </ul>	Section 22.5 Differential Effects (GBA+), Page 22-38; line 22 to Page 22-39; line 40; Table 22.5.1
Section 22.0 Summary of Human and Community Well-being Page 192	<ul style="list-style-type: none"> <li>Consider how certain subgroups may be differentially affected due to variety of factors including gender. Intersectionality (multiple identity factors that influence their experiences) will be considered.</li> </ul>	Section 22.5 Differential Effects (GBA+), Page 22-38; line 22 to Page 22-39; line 40; Table 22.5.1
Section 23.0 Summary of Effects to Current and Future Generations Page 193	The Application will summarize analyses and conclusions for each of the VCs and Indigenous Interests that contribute to the Project's positive or adverse effects on current and future generations.	Section 23.4 Project Effects on Current and Future Generations, Page 23-7; line 1 to Page 23-13; line 9
Section 23.0 Summary of Effects to Current and Future Generations Page 193	<p>The Application will:</p> <ul style="list-style-type: none"> <li>Describe how input from engagement related to effects on current and future generations was incorporated and how the Project has changed as a result.</li> </ul>	<p>Section 23.2 Influence of Engagement on Project Design, Page 23-4; line 1 to Page 23-5; line 18; Table 23.2.1</p> <p>Section 23.3 Current and Future Haisla Generations, Page 23-6; line 1 to 33</p>

<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 23.0 Summary of Effects to Current and Future Generations Page 193	The Application will: <ul style="list-style-type: none"> <li>Demonstrate how any strategic direction from the Province of British Columbia, regarding sustainable development was considered.</li> </ul>	Section 23.2 Influence of Engagement on Project Design, Page 23-4; line 1 to Page 23-5; line 18; Table 23.2.1 Section 23.1.2 District of Kitimat, Page 23-2; line 24 to Page 23-3; line 42
Section 23.0 Summary of Effects to Current and Future Generations Page 193	The Application will: <ul style="list-style-type: none"> <li>Provide any mitigation measures proposed to more equitably distribute positive and adverse effects over time (e.g., across generations).</li> </ul>	Section 23.4.2 Mitigation Measures, Page 23-9; line 27 to Page 23-11; line 14 Section 23.4.4 Enhancements Measures, Page 23-12; line 11 to Page 23-13; line 9
Section 23.0 Summary of Effects to Current and Future Generations Page 193	The Application will: <ul style="list-style-type: none"> <li>Discuss the potential outcome that residual effects to VCs and Indigenous Interests will have on both current and future generations.</li> </ul>	Section 23.4 Project Effects on Current and Future Generations, Page 23-7; line 1 to Page 23-13; line 9
Section 23.0 Summary of Effects to Current and Future Generations Page 193	The Application will: <ul style="list-style-type: none"> <li>Discuss the type(s) of economic growth that would be generated by the Project and how this growth would be distributed, both within the population, (including for Indigenous populations) and over time.</li> </ul>	Section 23.4.3 Positive Effects, Page 23-11; line 15 to Page 13-12; line 10 Section 23.4.4 Enhancements Measures, Page 23-12; line 11 to Page 23-13; line 9
Section 23.0 Summary of Effects to Current and Future Generations Page 193	The Application will: <ul style="list-style-type: none"> <li>Identify any relevant regional or provincial growth strategies and describe how the Project is or is not aligned with them.</li> </ul>	Section 23.2 Influence of Engagement on Project Design, Page 23-4; line 1 to Page 23-5; line 18; Table 23.2.1 Section 23.1.2 District of Kitimat, Page 23-2; line 24 to Page 23-3; line 42
Section 24.0 Conclusions Page 194	The Application will include: <ul style="list-style-type: none"> <li>A summary of residual effects, including cumulative effects, presented in a table following the format shown in Table 24.0.1</li> </ul>	Section 24.0 Conclusions, Page 24-7; line 1 to 24-46; line 33; Table 24.0.1



AIR Section, Title and Page Number	Information Requirement	Information Location in Application (Application Section, Title, Page Number and Appendix)
Section 24.0 Conclusions Page 194	The Application will include: <ul style="list-style-type: none"> <li>A statement on the Project's ability to mitigate any residual or cumulative effects</li> </ul>	Section 24.0 Conclusions, Page 24-1 line 35 to Page 24-2 line 6; Page 24-6; line 12 to 28
Section 24.0 Conclusions Page 194	The Application will include: <ul style="list-style-type: none"> <li>An overview of the Project's positive effects and benefits</li> </ul>	Section 24.0 Conclusions, Page 24-1; line 12 to 35
Section 24.0 Conclusions Page 194	The Application will include: <ul style="list-style-type: none"> <li>A request for an EAC from the Government of British Columbia and a decision under section 60 of the IAA from the Canadian Minister of Environment and Climate Change</li> </ul>	Section 24.0 Conclusions, Page 24-6; line 29 to 33
Section 24.0 Conclusions Page 194	The Application will include: <ul style="list-style-type: none"> <li>Confirmation of the need to successfully complete subsequent permitting or authorization processes prior to proceeding with construction, operation, and decommissioning of the Project</li> </ul>	Section 24.0 Conclusions, Page 24-6; line 22 to 28
Section 26.1, Appendix A Summary of Mitigation Measures Page 204	The Application will include a summary table of mitigation measures by valued component and by project phase and categorize the mitigation measures to indicate how they will be tracked and implemented, for example as requirements associated with permitting authorizations, standard best management practices, or Project commitments resulting from the assessment.	Appendix A Summary of Mitigations; Table A.1 Mitigation and Enhancement Measures, Pages A-3 to A-80
Section 26.2, Appendix B: Valued Components Selection Memo Page 205	The Application will provide a copy of the valued components selection memo prepared for the Project.	Appendix B Valued Components Selection Memo



<b>AIR Section, Title and Page Number</b>	<b>Information Requirement</b>	<b>Information Location in Application (Application Section, Title, Page Number and Appendix)</b>
Section 26.3 Appendix C Requested Certified Project Description Page 206	The Application will provide Cedar's requested certified project description for environmental assessment certification, as a draft to support engagement during Application Review.	Appendix C, Requested Certified Project Description, Page C-1; line 1 to Page C-3, line 22; Figures C.1 to C.3
Section 26.4 Appendix D Authorship Page 207	The Application will include an appendix to identify key personnel, contractors, and/or sub-contractors responsible for preparing the Application, their qualifications, and the sections for which they were responsible.	Appendix D, Environmental Assessment Certificate Application Contribution Summary, Table D.1, Pages D-2 to D-14

## Abbreviations and Acronyms

%	percent
%HA	percent highly annoyed
<	less than
°C	degrees Celsius
µg/m <sup>3</sup>	micrograms per cubic metre
AIA	archaeological impact assessment
AIR	Application Information Requirements
AIS	Automatic Identification System
AMHS	Alaska Marine Highway System
ANC	acid neutralizing capacity
ANC <sub>limit</sub>	acid neutralizing capacity limit
ANC <sub>oaa</sub>	organic adjusted acid neutralizing capacity
AOC	area of concern
AQO	air quality objective
ARD	acid rock drainage
ATV	all-terrain vehicle
BAT	best available technologies
BCAFN	British Columbia Assembly of First Nations
BCCSN	British Columbia Cetacean Sightings Network
BCMCA	British Columbia Marine Conservation Analysis
BCPI	Bank of Canada's Commodity Price Index
BCTS	BC Timber Sales
BCWQG-FAL	British Columbia Approved Water Quality Guidelines for the Protection of Freshwater Aquatic Life
BEP	best environmental practices
BMI	body mass index
BMP	best management practice

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CA	Census Agglomeration
CAAQS	Canadian Ambient Air Quality Standards
CAC	criteria air contaminant
CALPUFF	California Puff Model
CBCYC	Council of British Columbia Yacht Clubs
CCG	Canadian Coast Guard
CCME	Canadian Council of Ministers of the Environment
CDC	British Columbia Conservation Data Centre
Cedar	Cedar LNG Partners LP
CEMP	Construction Environmental Management Plan
CEMS	Cumulative Effects of Marine Shipping
CH <sub>4</sub>	methane
CMSD	Coast Mountains School District
CMT	culturally modified tree
CMTN	Coast Mountain College
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
COPC(s)	chemical(s) of potential concern
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CWH	Coastal Western Hemlock
dB	decibel (un-weighted)
dBA	A-weighted decibel
dBC	C-weighted decibel
dBL	linear decibel level
DFO	Fisheries and Oceans Canada
DWT	dead weight tonne
EAC	Environmental Assessment Certificate
EAO	Environmental Assessment Office

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EBM	Ecosystem-Based Management
ECCC	Environment and Climate Change Canada
EMF	electric and magnetic fields
ENV	British Columbia Ministry of Environment and Climate Change Strategy
eq ha <sup>-1</sup> yr <sup>-1</sup>	equivalents per hectare per year
FEED	front end engineering design
FLNG	floating liquefied natural gas
FLNRORD	Ministry of Forests, Lands, Natural Resource Operations and Rural Development (previously Ministry of Forests, Lands and Natural Resource Operations)
FMA	Fisheries Management Area
FMO	Fossil Management Office
FNHA	First Nations Health Authority
FSC	food, social, ceremonial
FTE	full-time equivalent
GBA+	gender-based analysis plus
GDC	Gitga'at Development Corporation
GDP	gross domestic product
GHG	greenhouse gas
GIS	geographic information system
GNR	global non-response rate
GWh	gigawatt-hour
ha	hectare
HADD	harmful alteration, disruption, or destruction (of fish habitat)
HaiCo	Haida Enterprise Corporation
HAZID	hazard identification
HHRA	human health risk assessment
HHWMT	higher high-water mean tide
HNC	Haisla Nation Council

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HQ	hazard quotient
HSDA	Health Service Delivery Area
HSSE	health, safety, security and environment
IA	important area
IAPP	Invasive Alien Plant Program
IFMP	Integrated Fishery Management Plan
ILUS	Indigenous Land Use Study
INAC	Indigenous and Northern Affairs Canada
IPIOM	Interprovincial Input-Output Model
IREC	Internet Recreational Effort and Catch
ISSET	Indigenous Skills and Employment Training
ISO	International Organization for Standardization
ISQG	Interim Sediment Quality Guideline
ITA	Industry Training Authority
km	kilometre
km <sup>2</sup>	square kilometres
KTSA	Kalum Timber Supply Area
kV	kilovolt
LAA	local assessment area
L <sub>d</sub>	daytime equivalent sound level
L <sub>dn</sub>	day-night equivalent sound level
L <sub>eq</sub>	energy equivalent sound level
LICO-AT	low-income cut-offs after tax
LIM-AT	low-income measure after tax
L <sub>max</sub>	maximum sound level
L <sub>n</sub>	nighttime equivalent sound level
LNG	liquefied natural gas
LPG	liquefied petroleum gas
LQ	location quotient

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LRMP	Land and Resource Management Plan
LSA	local study area – SHOULD ONLY BE USED IN TDRs
LUP	Land Use Plan
m	metre
m <sup>2</sup>	square metres
m <sup>3</sup>	cubic metre
MaPP	Marine Plan Partnership
MCTS	marine communications and traffic services
mg/L	milligrams per Litre
mgd	millions of gallons per day <sup>2</sup>
ML	metal leaching
mm	millimetre
mm/s	millimetres per second
MOTI	Ministry of Transportation and Infrastructure
MOU	Memorandum of Understanding
MPA	Marine Protected Area
MPOI	maximum point of impingement
MTMP	Marine Transportation Management Plan
MTPA	million tonnes per annum
MUP	Marine Use Plan
MW	megawatt
N	nitrogen
N <sub>2</sub> O	nitrous oxide
NAD	North American Datum
NAICS	North American Industry Classification System
NCD	non-classified drainage
NCRD	North Coast Regional District
NCWMG	North Coast Waterways Management Guidelines
NHS	National Household Survey

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NIFCS	Northwest Inter-nation Family and Community Services
NO <sub>2</sub>	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NOC	National Occupation Classification
NOI	Notation of Interest
NO <sub>x</sub>	nitrogen oxides
NVC	no visible channel
NWHSDA	NorthWest HSDA
NWIPC	Northwest Invasive Plant Council
OCP	Official Community Plan
OGC	Oil and Gas Commission
ONC	Ocean Networks Canada
PAH	polycyclic aromatic hydrocarbons
PCB	polychlorinated biphenyls
Pembina	Pembina Pipeline Corporation
PetroLMI	Petroleum Labour Market Information
PM <sub>10</sub>	inhalable particulate matter
PM <sub>2.5</sub>	respirable particulate matter
PNCIMA	Pacific North Coast Integrated Management Area
PoE	Pathway of Effect
PPA	Pacific Pilotage Authority
PRD	Prince Rupert District
Pre-FEED	preliminary front end engineering design
PRPA	Prince Rupert Port Authority
PSL	permissible sound level
PTSA	Pacific Timber Supply Area
Q	average annual runoff
QRA	quantitative risk assessment
RAA	regional assessment area

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RCMP	Royal Canadian Mounted Police
RDA	Regional District Area
RDKS	Regional District of Kitimat-Stikine
RISC	Resources Information Standards Committee
RMA	Riparian Management Areas
RRZ	Riparian Reserve Zone
RSA	regional study area – SHOULD ONLY BE USED IN TDRs
S	sulphur
S+N	sulfur plus nitrogen
SACC	Strategic Assessment of Climate Change
SAR	Search and Rescue
SDOH	social determinants of health
SEL	sound exposure levels
SGC	Standard Geographical Classification
SHIP	Skidegate Haida Immersion Program
SLUPA	Strategic Land Use Planning Agreement
SO <sub>2</sub>	sulphur dioxide
SOLAS	International Convention for the Safety of Life at Sea
SO <sub>x</sub>	sulphur oxides
SPL	sound pressure level
SRMP	Sustainable Resource Management Plan
tCO <sub>2e</sub> /tLNG	metric tonnes of carbon dioxide equivalent per metric tonne of LNG produced
TDR	technical data report
TEK	traditional ecological knowledge
TEM	terrestrial ecosystem mapping
TERMPOL	technical review process of marine systems and transshipment sites
TEU	twenty-foot equivalent unit
TFL	Tree Farm Licence

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TK	traditional knowledge
TRICORP	Tribal Resources Investment Corporation
TRV	toxicological reference value
TSA	Timber Supply Area
TSS	total suspended solids
TU	traditional use
UNBC	University of Northern British Columbia
UTM	universal transverse mercator
UWR	ungulate winter range
VHF	very high frequency
VLI	Visual Land Inventory
VOC	volatile organic compound
VPD	vehicles per day
VRI	Vegetation Resources Inventory
WC	watercourse
WCI	Western Climate Initiative
WHA	Wildlife Habitat Area
WHO	World Health Organization
WMF	Waste Management Facility
WMU	Wildlife Management Unit
WQG	Water Quality Guidelines
WQG-MAL	Water Quality Guidelines for the Protection of Marine Aquatic Life