ID	Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0001	Table of Concordance	The Application will include a table of concordance (using the format below) indicating where the requirements of the approved AIR are found in the Application, with volume and section references	Table of Concordance		
AIR0002	Preface	The Application will: • indicate why the Application has been prepared and how it has been developed;	Preface (First Page)		
AIR0003	Preface	The Application will: • indicate the proposed Project is subject to a review under the BC EAA and identify the trigger for the review under the BC EAA;	Preface (First page)		
AIR0004	Preface	The Application will: • indicate the Application has been developed pursuant to the AIR approved by the BC EAO and confirm that it complies with relevant instructions provided in the BC EAA Section 11 Order;	Preface (Second page)		
AIR0005	Preface	The Application will: • indicate that the proposed Project is subject to a review under CEAA 2012, and that the Application (also referred to federally as the Environmental Impact Statement) has been developed pursuant to Environmental Impact Statement guidelines provided by the CEA Agency;	Preface (First and second page)		
AIR0006	Preface	The Application will: • identify the type of federal-provincial EA review process that the proposed Project is subject to;	Preface (First page)		
AIR0007	Preface	The Application will: • identify the government agencies, First Nations groups, local governments and other parties involved in the development of the Application.	Preface (Second page)		
AIR0008	Acknowledgements	The Application will acknowledge the authors involved in preparing the Application, and will indicate where information has been prepared by a qualified professional and identify the qualified professional's relevant expertise.	Acknowledgements		
AIR0009	Acronyms and Abbreviations	The Application will include a list of acronyms and abbreviations, and their definitions, that are used in the Application	Glossary and Acronyms		
AIR0010	Executive Summary	The Executive Summary will: • briefly describe the proposed Murray River Coal Project (i.e., major Project components, activities, and phases of the proposed Project);	ExS		
AIR0011	Executive Summary	The Executive Summary will: • briefly describe key benefits that accrued to the proposed Project because of the EA process with respect to significant design changes and/or planning considerations that may have resulted in, for example, a reduction of environmental impacts, technological innovations, a reduction in project costs, or protection of First Nations interests, and protection of public health and safety (only applicable elements will be described with respect to the proposed Project);	ExS		
AIR0012	Executive Summary	The Executive Summary will: • summarize the consultation activities that were undertaken;	ExS		
AIR0013	Executive Summary	The Executive Summary will: • summarize the key residual effects of the proposed Project;	ExS		
AIR0014	Executive Summary	The Executive Summary will: • summarize recommended mitigation measures;	ExS		
AIR0015	Executive Summary	The Executive Summary will: • summarize the key residual cumulative effects and any additional mitigation that may be required;	ExS		
AIR0016	Executive Summary	The Executive Summary will: • summarize the key environmental management and monitoring plans;	ExS		

TABLE OF CONCORDANCE - APPLICATION INFORMATION REQUIREMENTS (AIR)

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0017		Executive Summary	The Executive Summary will: • summarize the Proponent's conclusions from the EA.	ExS		
AIR0018	1	Purpose and Organization of the Application	This section of the Application will: • identify the purpose of the Application;	1.1.1		
AIR0019	2	Purpose and Organization of the Application	This section of the Application will: • identify the triggers under the provincial and federal legislative frameworks that require the proposed Project to undergo an environmental assessment;	Preface 1.1.1		
AIR0020	3	Purpose and Organization of the Application	This section of the Application will: • indicate the Application meets the requirements of the provincial EA process;	1.1.2		
AIR0021	4	Purpose and Organization of the Application	This section of the Application will: • identify why the proposed Project needs an EA certificate;	1.1.1		
AIR0022	5	Purpose and Organization of the Application	This section of the Application will: • describe the organization of the Application.	1.1.2		
AIR0023	2.1.1	Proponent	The Application will provide a description of the Proponent, including company history, incorporation, management and reporting structures, corporate environmental policy, affiliations, company headquarters, and company contacts responsible for the proposed Project and the Application.	1.2 24.1.1.2 24.1.2.4		
AIR0024	2.2	Purpose of the Project	The Application will describe the need for, purpose of, and alternatives to the proposed Project. Relevant government plans, policy documents, guiding principles, and the Proponent's Corporate Environmental Management System will be discussed.	1.6		
AIR0025	2.3	Project Location and Access	The Application will describe the location of the proposed Project and provide latitude and longitude co-ordinates. Information will be provided that identifies the communities in the vicinity of the proposed Project and their distances from the proposed Project. The Application will describe existing access to the proposed Project site. Figures will be provided.	1.3 Figure 1.3-1		
AIR0026	2.4	Regional Information	The Application will: • identify permanent communities and temporary residences in the regional area; The information identified above will be supported by the following maps at appropriate scales: • a regional map; • a watershed map; and • map(s) depicting land and resource management plans, local government boundaries, parks and protected areas, conservation lands, Murray River property coal licences and other Crown land tenures, federal lands, private lands, etc.	1.5 Figure 1.5-2 Figure 18.6.2		
AIR0027	2.4	Regional Information	 The Application will: provide an overview of Crown lands (including provincial and federal lands); The information identified above will be supported by the following maps at appropriate scales: a regional map; a watershed map; and map(s) depicting land and resource management plans, local government boundaries, parks and protected areas, conservation lands, Murray River property coal licences and other Crown land tenures, federal lands, private lands, etc. 	1.5 Figure 1.5-1 16.2 16.5	16-A	

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0028	2.4	Regional Information	The Application will:	16.5.3.1		
			describe any private land use;			
			The information identified above will be supported by the following maps at appropriate scales:			
			• a regional map;			
			a watershed map; and			
			• map(s) depicting land and resource management plans, local government boundaries, parks and protected areas, conservation lands, Murray River property coal licences and other Crown land tenures, federal lands, private lands, etc.			
AIR0029	2.4	Regional Information	The Application will:	1.5.3	17-A	
			• identify areas of First Nations interest (e.g., Treaty boundaries, reserve lands, available information on areas of traditional use);	Figure 1.5-2		
			The information identified above will be supported by the following maps at appropriate scales:	17.5.3 17.4		
			a regional map;	20.3.[X].1		
			a watershed map; and			
			• map(s) depicting land and resource management plans, local government boundaries, parks and protected areas, conservation lands, Murray River property coal licences and other Crown land tenures, federal lands, private lands, etc.			
AIR0030	2.4	Regional Information	The Application will:	1.5.2	16-A	
			describe any provincially approved land resource management plans and objectives, and local government Official Community Plans where appropriate;	Figure 1.5-1		
			The information identified above will be supported by the following maps at appropriate scales:	16.2		
			a regional map;			
			a watershed map; and			
			• map(s) depicting land and resource management plans, local government boundaries, parks and protected areas, conservation lands, Murray River property coal licences and other Crown land tenures, federal lands, private lands, etc.			
AIR0031	2.4	Regional Information	The Application will:	1.5.2	8-A	
			identify existing designated environmentally sensitive areas, such as national, provincial and regional parks, ecological reserves, conservation lands, wildlife	Figure 1.5-1	16-A	
			management areas or sanctuaries, designated fisheries areas, wetlands and habitats of provincial or federally listed species at risk, and other sensitive areas in	8.5.2 16.5.3.1		
			the proposed Project area;	10.5.5.1		
			The information identified above will be supported by the following maps at appropriate scales:			
			• a regional map;			
			• a watershed map; and			
			• map(s) depicting land and resource management plans, local government boundaries, parks and protected areas, conservation lands, Murray River property coal licences and other Crown land tenures, federal lands, private lands, etc.			
AIR0032	2.4	Regional Information	The Application will:	1.3		
			identify the location of the Murray River property coal licences held by the Proponent;	3.2		
			The information identified above will be supported by the following maps at appropriate scales:			
			a regional map;			
			a watershed map; and			
			• map(s) depicting land and resource management plans, local government boundaries, parks and protected areas, conservation lands, Murray River property coal licences and other Crown land tenures, federal lands, private lands, etc.			

TABLE OF CONCORDANCE - APPLICATION INFORMATION REQUIREMENTS (AIR)

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0033	2.4	Regional Information	 The Application will: describe the land ownership (i.e., surface and sub-surface rights) and land use regime including tenures, licences, permits or other authorizations (e.g., agriculture, water licenses, mineral, forestry, oil and gas, utilities, trapping, angling, guide outfitting, and commercial recreation activities) in the vicinity of the proposed Project and overlapping with the proposed Project footprint; The information identified above will be supported by the following maps at appropriate scales: a regional map; a watershed map; and map(s) depicting land and resource management plans, local government boundaries, parks and protected areas, conservation lands, Murray River property coal licences and other Crown land tenures, federal lands, private lands, etc. 	1.5 1.5-3 16.5.3	16-A	
AIR0034	2.4	Regional Information	 The Application will: identify relevant existing or proposed monitoring programs or regional studies, including other projects where environmental monitoring data has been collected to support the EA process (as available). The information identified above will be supported by the following maps at appropriate scales: a regional map; a watershed map; and map(s) depicting land and resource management plans, local government boundaries, parks and protected areas, conservation lands, Murray River property coal licences and other Crown land tenures, federal lands, private lands, etc. 	1.5.5		
AIR0035	2.4	Regional Information	Consultation activities with holders of tenures and permits, and/or private land owners to resolve any potential issues will be summarized in the First Nations Consultation (Part C) and Public Consultation chapters of the Application as applicable.	2.4 2.5.3.1 16.5.2.2 16.5.3.1	2-F 16-A [Table 3.2-1]	
AIR0036	2.5	Project Description	The Application will describe the proposed Project, including the components, activities, and phases of the proposed Project (construction, operation, closure and post-closure). This information will be provided in sufficient detail to support the prediction and assessment of potential environmental, economic, social, heritage and health effects of the proposed Project.	3.6 3.7 3.8 3.9 3.10	3-A 3-B 3-C 3-D 3-E 3-F 3-G 3-H	
AIR0037	2.5	Project Description	The Application will include a site map identifying relevant features of the mine site (e.g., coarse coal rejects pile, waste rock storage facility, coal stockpile(s), portals and shafts, general outline of underground workings, diamond drill holes, coal preparation plant area, administrative building, etc.) and photographs, where appropriate.	Figure 3.2-2 Figure 3.6-1		
AIR0038	2.5.1	Geology and Mineralization	The Application will include a description of the regional geology (stratigraphy, structure and coal seam development and correlation) and property geology (stratigraphy, structure and coal seams to be mined) and a description of the coal resource.	3.3 3.4	3-A 3-B	
AIR0039	2.5.2	Exploration History	The Application will provide an overview of the history of exploration in and around the proposed Project area.	3.2.2		
AIR0040	2.5.2	Exploration History	The Application will briefly describe the bulk sample mining that has been permitted by the BC government, and how this work relates to the proposed Project to be assessed pursuant to the BC EAA.	3.2.3		
AIR0041	2.5.3	Underground Mine Development	The Application will provide a mine plan that is technically, economically, socially, and environmentally feasible and which demonstrates the Proponent's commitment to develop the mine in a safe and environmentally sound manner. This includes a preliminary mine plan developed in accordance with the "Health, Safety and Reclamation Code for Mines in British Columbia" (BC MEMPR 2008).	3.6 3.7 3.8 3.9 3.10		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0042	2.5.3	Underground Mine Development	The Application will include the following information: • proposed mining method and mining equipment;	3.6.2.4 3.6.2.6 3.7.3.2 3.8.2		
AIR0043	2.5.3	Underground Mine Development	The Application will include the following information: • mine planning, development and production schedules;	3.6.2 3.7.1 3.8.1		
AIR0044	2.5.3	Underground Mine Development	The Application will include the following information: • anticipated underground layout, showing the proposed sequence of coal extraction;	3.6.2.5 3.8.2		
AIR0045	2.5.3	Underground Mine Development	The Application will include the following information: • depth of mining, vertical cover thickness overlying the underground workings;	3.7.3 Figure 3.6-4 Figure 3.6-6		
AIR0046	2.5.3	Underground Mine Development	The Application will include the following information: • mine accesses, including identifying primary and secondary means of ingress/egress, and any changes required to the design of the decline and shaft permitted for the bulk sample;	3.6.2.2		
AIR0047	2.5.3	Underground Mine Development	The Application will include the following information: • geotechnical and hydrogeological considerations including expected rock quality in the underground workings;	3.6.2.4 3.6.2.12	3-A 7-B	
AIR0048	2.5.3	Underground Mine Development	The Application will include the following information: • conceptual ground control management and monitoring plan for workings, including proposed support for typical ground, areas with poor quality rock, and any major excavations, and instrumentation;	3.7.3.2		
AIR0049	2.5.3	Underground Mine Development	The Application will include the following information: • methods used to estimate the areal extent of expected surface subsidence, the degree of expected subsidence, and potential effects on infrastructure (existing and proposed);	3.6.2.14 10.6.2.1 11.6.2.1 12.6.2.1 Figure 10.7-1 Figure 11.6-1 Figure 12.8-6	3-C	
				16.7.5 16.7.6		
AIR0050	2.5.3	Underground Mine Development	The Application will include the following information: • underground air quality control, ventilation and heating;	3.6.2.8 3.6.2.9 3.6.2.10 6.7.1.2 24.2.4.7		
AIR0051	2.5.3	Underground Mine Development	The Application will include the following information: • underground water balance and water management system, including contingencies for potential inflows that are higher than expected;	3.6.2.12	3-A 7-B	
AIR0052	2.5.3	Underground Mine Development	The Application will include the following information: • type, estimated amount, storage, use, handling, and disposal of hazardous materials, reagents, and dangerous goods including explosives;	3.6.2.7 3.6.3.11		
AIR0053	2.5.3	Underground Mine Development	The Application will include the following information: • emergency response and safety planning, awareness, and training plans.	24.19		

TABLE OF CONCORDANCE - APPLICATION INFORMATION REQUIREMENTS (AIR)

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0054	2.5.3	Underground Mine Development	The Application will clearly describe plans for continued use of any infrastructure originally developed to support the bulk sample, and will demonstrate that the infrastructure design is adequate to accommodate the full mine development, or describe any planned upgrades to ensure that it will support the full mine development.	3.6.2.2 3.7.2 3.7.3 3.7.4	3-G	
AIR0055	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • raw and processed coal stockpiles, including location(s) and maximum size;	3.6.3.4		
AIR0056	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • conveyor system;	3.6.3.4		
AIR0057	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • coal wash plant;	3.6.3.4	3-D	
AIR0058	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • coarse and fine coal rejects dump;	3.6.3.4	3-E	
AIR0059	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • waste rock facility(s);	3.6.2.13 3.6.3.4	3-G	
AIR0060	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • soil salvage;	3.6.3.4 3.7.2 3.9.3		
AIR0061	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • rail load-out;	3.6.3.4		
AIR0062	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • fuel storage and dispensing facilities;	3.6.3.7		
AIR0063	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • electricity and natural gas supply and distribution;	3.6.3.7 Figure 3.6-23	3-D	
AIR0064	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • maintenance and administrative buildings;	3.6.3.2 3.6.3.4		
AIR0065	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • warehouse facilities;	3.6.2.3 3.6.3.2		
AIR0066	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • security office and site access controls;	24.18 Figure 3.6-21 Figure 3.6-22 Figure 3.6-23		
AIR0067	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • temporary explosives storage;	3.6.2.7		
AIR0068	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • sewage and grey water handling facilities;	3.6.3.9		
AIR0069	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • fire and potable water facilities;	3.6.2.11 3.6.3.8		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0070	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • contact and non-contact water management facilities (e.g., ditches, sediment ponds, treatment plant(s));	3.6.3.8 Figure 3.6-21 Figure 3.6-22 Figure 3.6-23 Figure 3.6-31 Figure 3.6-32 Figure 3.6-37a,b,c Figure 3.6-40	3-E	
AIR0071	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • refuse materials handling;	3.6.3.10		
AIR0072	2.5.4	Surface Facilities	The Application will describe the layout and design of planned surface infrastructure including the following: • outdoor lighting.	3.6.3.11		
AIR0073	2.5.4	Surface Facilities	A conceptual design for all water management facilities and diversion structures will be provided in the Application. Infrastructure will be designed to accommodate a defined peak flow event or as otherwise required by government.	3.6.3.8 8.7.1.2 8.8.1.2	8-E	
AIR0074	2.5.4	Surface Facilities	Geotechnical characterization of the coal reject dump(s) and waste rock facility(s) will be completed in accordance with the Interim Guidelines of the BC Waste Rock Pile Research Committee (1991), and will include: • volumes, heights, and slopes of the structures;	3.6.3.3 3.6.3.4	3-E 3-G	
AIR0075	2.5.4	Surface Facilities	Geotechnical characterization of the coal reject dump(s) and waste rock facility(s) will be completed in accordance with the Interim Guidelines of the BC Waste Rock Pile Research Committee (1991), and will include: • the location and rationale for any required drill holes and/or test pits;	3.6.3.3 3.6.3.4	3-E 3-G	
AIR0076	2.5.4	Surface Facilities	Geotechnical characterization of the coal reject dump(s) and waste rock facility(s) will be completed in accordance with the Interim Guidelines of the BC Waste Rock Pile Research Committee (1991), and will include: • geotechnical stability of the structures, including preliminary factors of safety where appropriate;	3.6.3.3 3.6.3.4	3-E 3-G	
AIR0077	2.5.4	Surface Facilities	Geotechnical characterization of the coal reject dump(s) and waste rock facility(s) will be completed in accordance with the Interim Guidelines of the BC Waste Rock Pile Research Committee (1991), and will include: • foundation conditions for each facility, including foundation angles and soil properties;	3.6.3.3 3.6.3.4	3-E 3-G	
AIR0078	2.5.4	Surface Facilities	Geotechnical characterization of the coal reject dump(s) and waste rock facility(s) will be completed in accordance with the Interim Guidelines of the BC Waste Rock Pile Research Committee (1991), and will include: • conceptual plan for any proposed instrumentation or monitoring;	3.6.3.3 3.6.3.4	3-E 3-G	
AIR0079	2.5.4	Surface Facilities	Geotechnical characterization of the coal reject dump(s) and waste rock facility(s) will be completed in accordance with the Interim Guidelines of the BC Waste Rock Pile Research Committee (1991), and will include: • failure modes effects assessment for each facility (see Section 10, Accidents or Malfunctions);	3.6.3.3 3.6.3.4	3-E 3-G	
AIR0080	2.5.4	Surface Facilities	Geotechnical characterization of the coal reject dump(s) and waste rock facility(s) will be completed in accordance with the Interim Guidelines of the BC Waste Rock Pile Research Committee (1991), and will include: • properties of the fine and coarse reject material, proposed method of co-disposal or mixing, and properties of the mixed product (if applicable);	3.6.3.3 3.6.3.4	3-E 3-G	
AIR0081	2.5.4	Surface Facilities	Geotechnical characterization of the coal reject dump(s) and waste rock facility(s) will be completed in accordance with the Interim Guidelines of the BC Waste Rock Pile Research Committee (1991), and will include: - the development sequence for each facility.	3.6.3.3 3.6.3.4	3-E 3-G	

TABLE OF CONCORDANCE - APPLICATION INFORMATION REQUIREMENTS (AIR)

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0082	2.5.4	Surface Facilities	The Application will clearly describe plans for continued use of any infrastructure originally developed to support the bulk sample, and will demonstrate that the infrastructure design is adequate to accommodate the full mine development, or describe any planned upgrades to ensure that it will support the full mine development.	3.6.2.2 3.6.3.3 3.7.1 3.7.2 3.7.3 3.7.4	3-G	Comments
AIR0083	2.5.5	Construction	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the construction phase including: • workforce requirements (including use of temporary foreign workers);	1.7.4 Table 1.7-3 3.7.9.1		
AIR0084	2.5.5	Construction	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the construction phase including: • ML/ARD prevention and management (if required)	3.5.3 24.7 Table 24.7-3 Table 24.7-5	3-B	
AIR0085	2.5.5	Construction	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the construction phase including: • equipment/machinery transportation (including traffic type, volume, and frequency);	3.7.7 3.7.10.3	6-B 18-B	
AIR0086	2.5.5	Construction	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the construction phase including: • materials and supplies transportation to the site (including traffic type, volume, and frequency);	3.7.7 3.7.10.3	6-B 18-B	
AIR0087	2.5.5	Construction	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the construction phase including: • site preparation;	3.7.2		
AIR0088	2.5.5	Construction	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the construction phase including: • soil salvage;	3.7.1 3.7.2 Figure 3.7-1 3.9.3		
AIR0089	2.5.5	Construction	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the construction phase including: • surface infrastructure installations, including conveyor, diversion channels, and other erosion control measures	3.6.3 3.7.1 Figure 3.7-1 3.7.2 3.7.3.1 3.7.4 3.7.5 3.7.6		
AIR0090	2.5.6	Operation	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the operations phase including: • workforce requirements (including use of temporary foreign workers);	1.7.4 Table 1.7-3 3.8.8.1		
AIR0091	2.5.6	Operation	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the operations phase including: • materials and supplies transportation to the site (including traffic type, volume, and frequency);	3.8.7.3 3.8.7.4	6-B [Appendix B, Table B-3] 18-C [Appendix E]	

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0092	2.5.6	Operation	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the operations phase including: • ML/ARD prevention and management;	3.5.3 24.7 Table 24.7-3 Table 24.7-5	3-B	
AIR0093	2.5.6	Operation	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the operations phase including: • underground mining (drilling, blasting, and mucking);	3.8.2		
AIR0094	2.5.6	Operation	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the operations phase including: • dust emission control of underground and ventilation systems;	3.8.7 3.6.2.8 3.6.2.10 6.7.1.2 24.2.4.7	6-B	
AIR0095	2.5.6	Operation	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the operations phase including: • waste rock management;	3.5.3 3.9.5		
AIR0096	2.5.6	Operation	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the operations phase including: • material handling and conveyance to the rail loadout;	3.6.3.4 3.8.5		
AIR0097	2.5.6	Operation	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the operations phase including: • coal processing;	3.6.3.4 Figure 3.6-24 Figure 3.6-25 3.8.3 3.8.5		
AIR0098	2.5.6	Operation	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the operations phase including: • soils and rejects/waste management;	3.6.3.10 3.9.3		
AIR0099	2.5.6	Operation	The Application will describe the proposed Project components and physical activities, along with an anticipated timetable and schedule for those occurring during the operations phase including: • water management related to coal extraction and processing activities	3.6.2.12 3.6.3.4 3.6.3.8	7-B 8-E	
AIR0100	2.5.7	Closure	The Application will describe activities associated with decommissioning and reclamation, as well as provide a conceptual plan for temporary or early-permanent closure. A schedule describing the timing of closure activities will be included. Specific details will be provided in the Application for: • workforce requirements;	3.9.7		
AIR0101	2.5.7	Closure	The Application will describe activities associated with decommissioning and reclamation, as well as provide a conceptual plan for temporary or early-permanent closure. A schedule describing the timing of closure activities will be included. Specific details will be provided in the Application for: • ML/ARD prevention and management;	3.5.3 3.9.4.1 24.7	3-B	
AIR0102	2.5.7	Closure	The Application will describe activities associated with decommissioning and reclamation, as well as provide a conceptual plan for temporary or early-permanent closure. A schedule describing the timing of closure activities will be included. Specific details will be provided in the Application for: • waste rock facility and coal rejects pile reclamation;	3.9.4.1 3.9.4.7	3-G	
AIR0103	2.5.7	Closure	The Application will describe activities associated with decommissioning and reclamation, as well as provide a conceptual plan for temporary or early-permanent closure. A schedule describing the timing of closure activities will be included. Specific details will be provided in the Application for: • coal stockpile areas reclamation;	3.9.4.2		

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0104	2.5.7	Closure	The Application will describe activities associated with decommissioning and reclamation, as well as provide a conceptual plan for temporary or early-permanent closure. A schedule describing the timing of closure activities will be included. Specific details will be provided in the Application for: • mine access road reclamation;	3.9.4.10		
AIR0105	2.5.7	Closure	The Application will describe activities associated with decommissioning and reclamation, as well as provide a conceptual plan for temporary or early-permanent closure. A schedule describing the timing of closure activities will be included. Specific details will be provided in the Application for: • underground mine works;	3.9.4.5		
AIR0106	2.5.7	Closure	The Application will describe activities associated with decommissioning and reclamation, as well as provide a conceptual plan for temporary or early-permanent closure. A schedule describing the timing of closure activities will be included. Specific details will be provided in the Application for: • long-term water management	3.6.3.8 3.9 3.10 24.6	8-E	
AIR0107	2.5.7	Closure	Reclamation plans will implement progressive reclamation wherever possible.	3.9.5		
AIR0108	2.5.7	Closure	The Application will provide an initial estimate for reclamation bonding based on provincial government guidelines; it will include the costs associated with long-term monitoring and with maintenance for infrastructure that is to remain on site.	3.11		
AIR0109	2.5.8	Post-closure	The Application will describe activities associated with the post-closure phase. A conceptual management and monitoring plan to ensure that closure objectives are achieved will be included.	3.10		
AIR0110	2.5.9	Water Management	The Application will include a description of the diversion channel infrastructure, collecting and pumping of contact water, management of underground seepage, and water treatment requirements.	3.6.2.12 3.6.3.4 3.6.3.8 8.8.1.2 24.6	8-G	
AIR0111	2.5.9	Water Management	A water balance will be prepared that incorporates each proposed Project component through each proposed Project phase. The balance will be summarized at both monthly and annual scales.	3.6.3.8 Figure 3.6-34 Figures 3.6-37a,b,c	8-E	
AIR0112	2.5.9	Water Management	Reported parameter estimates (e.g., precipitation, evaporation, stream flows, groundwater discharge/recharge, hydraulic conductivity) will include information sources and uncertainty estimates.	3.6.2.12 3.6.3.8	7-A 7-B [Sections 2, 3, 4] 8-A 8-B 8-E [Section 2]	
AIR0113	2.5.9	Water Management	The water balance will couple water quantity and quality predictions to inform the identification and inclusion of appropriate mitigation and management measures.	3.6.3.8 8.8.1.2 24.6 24.10	8-E	
AIR0114	2.5.9	Water Management	As appropriate, the document will make reference to measurement standards or collection protocols which were used, as well as assumptions built into the data.	3.6.2.12 3.6.3.8	7-A 7-B [Sections 2, 3, 4] 8-A 8-B 8-E [Section 2]	
AIR0115	2.5.9	Water Management	Sensitivity analysis will include consideration of climatic variability and data uncertainty.	3.6.2.12 3.6.3.8 23.3	8-A 8-E	

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0116	2.5.10	Waste Management	Based on the underground mine and surface infrastructure, the Application will identify the waste management streams from the proposed Project for all phases, including, but not limited to: • air emissions;	3.6.3.10 3.7.9.1 3.8.7 6.7.12 24.2.4.7	6-B	
AIR0117	2.5.10	Waste Management	Based on the underground mine and surface infrastructure, the Application will identify the waste management streams from the proposed Project for all phases, including, but not limited to: • effluent discharges;	3.6.3.8 3.7.9.2 24.8 24.10		
AIR0118	2.5.10	Waste Management	Based on the underground mine and surface infrastructure, the Application will identify the waste management streams from the proposed Project for all phases, including, but not limited to: • refuse (i.e., landfill) material.	3.6.3.10 Table 3.8-1		
AIR0119	2.5.11	Environmental Management System	The Application will outline the environmental management system (EMS) that will be implemented to ensure the proposed Project is executed in an environmentally responsible manner.	24.1		
AIR0120	2.5.11	Environmental Management System	The EMS will address all phases of the proposed Project.	24.1		
AIR0121	2.5.11	Environmental Management System	The objectives of the EMS will be to: • ensure compliance with applicable legislation and regulations;	24.1 25		
AIR0122	2.5.11	Environmental Management System	The objectives of the EMS will be to: • promote conformance with applicable government policies and practices;	24.1 25		
AIR0123	2.5.11	Environmental Management System	The objectives of the EMS will be to: • ensure environmental conditions in authorization, approvals and licences are being met;	24.1 25		
AIR0124	2.5.11	Environmental Management System	The objectives of the EMS will be to: • ensure operations are consistent with good environmental practices and sustainable development objectives.	24.1 25		
AIR0125	2.5.11	Environmental Management System	Recognizing that the proposed Project will be dynamic, the EMS will describe mechanisms for adaptive management and continual improvement.	24.1		
AIR0126	2.5.12	Proposed Certified Project Description	The Proponent will work with the EAO and the working group to prepare a Certified Project Description, which will consist of a description of the components of the Project as described in the Section 11 Order. A draft document will be provided with the Application; the document will be revised and updated during the application review process.	draft submitted to EAO		
AIR0127	2.5.12	Proposed Certified Project Description	The finalized Certified Project Description would be attached to the environmental assessment certificate. As such, if a certificate is issued, the Certified Project Description would become a legally binding document. The Proponent would be required to build, operate, and decommission the Project as described by this document. If the Proponent subsequently proposes to vary from the Certified Project Description, an amendment to the certificate would be required.	draft submitted to EAO		
AIR0128	2.7	Federal Scope of the Project	The Application will describe the federal scope of the proposed Project.	1.8.1.2		

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0129	2.8	Alternative Means of	The Application will include a description of alternatives means of undertaking the proposed Project, in particular, those associated with the following:	4.3.1		
		Undertaking the Project	- mining methods;			
			the Application will describe and assess:			
			technical considerations;			
			economic considerations;			
			potential environmental and social effects, where applicable; and			
			the rationale for selecting the preferred alternative.			
AIR0130	2.8	Alternative Means of	The Application will include a description of alternatives means of undertaking the proposed Project, in particular, those associated with the following:	4.3.3.2		
		Undertaking the Project	- backfilling waste rock and/or tailings into underground mine workings;			
			the Application will describe and assess:			
			technical considerations;			
			economic considerations;			
			potential environmental and social effects, where applicable; and			
			the rationale for selecting the preferred alternative.			
AIR0131	2.8	Alternative Means of	The Application will include a description of alternatives means of undertaking the proposed Project, in particular, those associated with the following:	4.3.3.2		
		Undertaking the Project	location/design of proposed waste rock facility;			
			The Application will describe and assess:			
			technical considerations;			
			economic considerations;			
			potential environmental and social effects, where applicable; and			
			the rationale for selecting the preferred alternative.			
AIR0132	2.8	Alternative Means of	The Application will include a description of alternatives means of undertaking the proposed Project, in particular, those associated with the following:	4.3.3.1		
		Undertaking the Project	• - location/design of rail load-out;			
			The Application will describe and assess:			
			technical considerations;			
			economic considerations;			
			potential environmental and social effects, where applicable; and			
			the rationale for selecting the preferred alternative.			
AIR0133	2.8	Alternative Means of	The Application will include a description of alternatives means of undertaking the proposed Project, in particular, those associated with the following:	4.3.3.3		
		Undertaking the Project	location of the conveyor system;			
			The Application will describe and assess:			
			technical considerations;			
			economic considerations;			
			potential environmental and social effects, where applicable; and			
			the rationale for selecting the preferred alternative.			

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0134	2.8	Alternative Means of Undertaking the Project	The Application will include a description of alternatives means of undertaking the proposed Project, in particular, those associated with the following: • power options; The Application will describe and assess: • technical considerations; • economic considerations; • potential environmental and social effects, where applicable; and	4.3.4.3		
AIR0135	2.8	Alternative Means of Undertaking the Project	 the rationale for selecting the preferred alternative. The Application will include a description of alternatives means of undertaking the proposed Project, in particular, those associated with the following: employment/recruitment. The Application will describe and assess: technical considerations; economic considerations; potential environmental and social effects, where applicable; and the rationale for selecting the preferred alternative. 	4.3.4.7		
AIR0136	2.9	Project Benefits	The Application will: • provide initial capital construction cost estimates, including a breakdown of major cost categories (e.g., equipment and infrastructure) as well as a description of the planned use of local facilities and whether these are currently under-utilized.	1.7.2		
AIR0137	2.9	Project Benefits	The Application will: • provide estimated operating costs over the life of the proposed Project (for land, buildings and equipment), including estimated annual operating costs (excluding labour)	1.7.3		
AIR0138	2.9	Project Benefits	The Application will: • provide estimated operating costs over the life of the proposed Project (for land, buildings and equipment), including an indication of how the costs are measured (i.e., current dollar value or the use of Net Present Value);	1.7.3		
AIR0139	2.9	Project Benefits	The Application will: • provide estimated operating costs over the life of the proposed Project (for land, buildings and equipment), including estimated costs for the closure and post-closure phases (i.e., decommissioning, reclamation, care and maintenance, and abandonment activities)	1.7.3		
AIR0140	2.9	Project Benefits	The Application will: • provide employment estimates, including direct employment, stated in number of person years and full time equivalents by major job category (e.g., labour, management, business services) for each stage of the proposed Project including construction, operations and reclamation and closure phases, distinguishing among full-time, part-time and seasonal workers;	1.7.4		
AIR0141	2.9	Project Benefits	The Application will: • provide employment estimates, including direct employment, stated in number of person years and full time equivalents by major job category (e.g., labour, management, business services) for each stage of the proposed Project including construction, operations and reclamation and closure phases, distinguishing among full-time, part-time and seasonal workers	1.7.4		
AIR0142	2.9	Project Benefits	The Application will: • provide employment estimates, including an estimate of wage levels, by major job category, for the construction and operating phases;	1.7.4		
AIR0143	2.9	Project Benefits	The Application will: • provide employment estimates, including breakdown of the number of people that will be hired locally, provincially, nationally or internationally (where applicable);	1.7.4		

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0144	2.9	Project Benefits	The Application will: • provide employment estimates, including potential for the Proponent to use currently underutilized local human resources;	1.7.4.4		
AIR0145	2.9	Project Benefits	The Application will: • provide employment estimates, including description of relevant employment policies/practices (i.e., a local hiring strategy);	1.7.4		
AIR0146	2.9	Project Benefits	The Application will: • provide employment estimates, including an estimate of indirect employment (i.e., employment in industries that supply goods and services used to produce an industry's output or to be consumed by individuals) during the construction and operation phases of the proposed Project. Assumptions relating to industry specific multipliers or other multipliers used will be included.	1.7.1 1.7.4.5		
AIR0147	2.9	Project Benefits	The Application will: • provide contractor supply services estimates, including a list of the major types of businesses/contractors that will benefit from the overall proposed Project, broken down at the local, provincial, and national level;	1.7.5 Table 1.7-8 1.7.9		
AIR0148	2.9	Project Benefits	The Application will: • provide contractor supply services estimates, including an estimate of the value of supply-service contracts expected for both the construction and operation phases of the proposed Project;	1.7.5		
AIR0149	2.9	Project Benefits	The Application will: • provide contractor supply services estimates, including a description of the Proponent's local purchasing strategy.	1.7.5 1.7.9		
AIR0150	2.9	Project Benefits	The Application will: • provide estimates of annual government revenues for the construction and operation phases of the proposed Project, including local/municipal (property taxes, other);	1.7.7		
AIR0151	2.9	Project Benefits	The Application will: • provide estimates of annual government revenues for the construction and operation phases of the proposed Project, including Regional District (taxes, other);	1.7.7		
AIR0152	2.9	Project Benefits	The Application will: • provide estimates of annual government revenues for the construction and operation phases of the proposed Project, including provincial (income tax, sales tax, lease, license and tenure, royalties, other);	1.7.7		
AIR0153	2.9	Project Benefits	The Application will: • provide estimates of annual government revenues for the construction and operation phases of the proposed Project, including federal (income tax, Harmonized Sales Tax (HST), General Sales Tax (GST); payroll taxes, other).	1.7.7		
AIR0154	2.9	Project Benefits	The Application will: • identify the proposed Project's contributions to community development;	1.7.8		
AIR0155	2.9	Project Benefits	The Application will: • identify all assumptions and reference information sources for the above information.	1.7.1		
AIR0156	2.10	Applicable Permits	In addition to an EA certificate, the proposed Project will require licences, permits and/or approvals to construct, operate, and close the site. The Application will: • provide a list of applicable provincial and federal licenses, permits and/or approvals required for the construction, operation, decommissioning and closure, and post closure of the proposed Project, and the associated responsible regulatory agency;	1.8.4		
AIR0157	2.10	Applicable Permits	In addition to an EA certificate, the proposed Project will require licences, permits and/or approvals to construct, operate, and close the site. The Application will: • identify the Proponent's intent to pursue concurrent permitting under the BC EAA pursuant to the Concurrent Approval Regulation (BC Reg. 371/2002).	1.8.4.1		
AIR0158	2.10	Applicable Permits	In addition to a federal EA Decision Statement under the <i>Canadian Environmental Assessment Act</i> , 2012, the proposed Project may require federal authorizations under the <i>Fisheries Act</i> and the <i>Explosives Act</i> . A list of these authorizations will be provided in the Application.	1.8.4.2		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0159	3.1.1	Pre-application Stage	The Application will: • describe the pre-application stage of the BC EA process including the dates of the issuance of the Section 10 and 11 orders, Murray River Working Group meeting dates, the dates of public comment periods, and other relevant milestones;	1.8.2.2 1.8.2.10		
AIR0160	3.1.1	Pre-application Stage	The Application will: • identify the government (federal, provincial, local) agencies, First Nations groups and the public who participated in the pre-application stage, including reviewing and commenting on the draft AIR.	1.8.2.3		
AIR0161	3.1.2	Application Stage	The Application will describe the Application stage of the BC EA process. Comments raised throughout the EA process by the working group, the public, and First Nations groups will be recorded and summarized in an issues tracking table and accompanying reports if required. Issues will be considered and integrated into the Application where feasible. Responses will be provided for each of the identified issues. Rationale for not incorporating the comment into the Application will be provided where appropriate.	1.8.2	2-C 2-E 2-G	
AIR0162	3.2	Federal EA Process	If applicable, following scoping of the proposed Project by the CEA Agency, the Application will include: • a list of the agencies/departments/organizations who are members of the EA Working Group and are providing technical expertise;	1.8.2.3 1.8.3.3		
AIR0163	3.2	Federal EA Process	If applicable, following scoping of the proposed Project by the CEA Agency, the Application will include: • a description of the type of joint federal-provincial co-operative EA mechanism that is being used on this Project;	1.8.3.1 1.8.3.5		
AIR0164	3.2	Federal EA Process	If applicable, following scoping of the proposed Project by the CEA Agency, the Application will include: • a list of applicable federal milestones.	1.8.3.11		
AIR0165	3.3	Information Distribution and Consultation	This section of the Application will describe information distribution and consultation activities for the pre-application and application phases of the EA process with First Nations groups, the public, and government agencies (including the EA Working Group).	2		
AIR0166	3.3.1	First Nations Consultation	All First Nations consultation activities will be conducted according to the approved First Nations Consultation Plan.	2.4.2		
AIR0167	3.3.1	First Nations Consultation	The Application will: • summarize the pre-application stage consultation activities undertaken with First Nations groups;	2.4.3	2-D	
AIR0168	3.3.1	First Nations Consultation	The Application will: • in a tracking table, summarize and respond to the issues raised during consultations with First Nations groups;	2.4.4	2-E	
AIR0169	3.3.1	First Nations Consultation	The Application will: • describe how the Application will be made available to First Nations groups;	2.4.5		
AIR0170	3.3.1	First Nations Consultation	The Application will: • describe consultations proposed during the Application stage with First Nations groups;	2.4.5		
AIR0171	3.3.1	First Nations Consultation	The Application will: • describe the proposed methods and process to resolve any outstanding issues.	2.5.4		
AIR0172	3.3.1	First Nations Consultation	Consultation activities will be undertaken commensurate with the depth of consultation identified by the BC EAO and the CEA Agency.	2.4.2		
AIR0173	3.3.2	Public Consultation	All public information distribution and consultation activities will be conducted according to the approved Public Consultation Plan.	2.5.2		
AIR0174	3.3.2	Public Consultation	The Application will: • summarize consultation activities undertaken with key stakeholders (e.g., other tenure holders) and the public during the pre-application phase, which may include a description of the methods used to conduct consultation activities, for example: open houses; direct meetings; correspondence; telephone interviews; earned media; website; newspaper advertisements; and project information materials.	2.5.3	2-F	

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AIR0175	3.3.2	Public Consultation	The Application will: • in a tracking table, summarize and respond to the issues raised during public consultation activities.	2.5.4	2-G	
AIR0176	3.3.2	Public Consultation	The Application will: • describe how the Application will be made available to key stakeholders and to the public;	2.5.5		
AIR0177	3.3.2	Public Consultation	The Application will: • describe consultations proposed during the Application stage with the public;	2.5.5		
AIR0178	3.3.2	Public Consultation	The Application will: • describe the proposed methods and process to resolve any outstanding issues.	2.5.5		
AIR0179	3.3.3	Government Agency and Local Government Consultation	The Application will: • summarize the consultation activities undertaken with government agencies and local governments during the pre-application phase;	2.3.2 2.5.3	2-B	
AIR0180	3.3.3	Government Agency and Local Government Consultation	The Application will: • in a tracking table, summarize and respond to the issues raised during government agency and local government consultations;	2.3.3 2.5.4	2-C 2-G	
AIR0181	3.3.3	Government Agency and Local Government Consultation	The Application will: • describe how the Application will be made available to government agencies and local governments;	2.3.4 2.5.5		
AIR0182	3.3.3	Government Agency and Local Government Consultation	The Application will: • describe consultations proposed during the Application stage with government agencies and local governments;	2.5.5		
AIR0183	3.3.3	Government Agency and Local Government Consultation	The Application will: • describe the proposed methods and process to resolve any outstanding issues.	2.3.4		
AIR0184	4.1	Environmental Assessment Methodology	The introduction to this chapter in the Application will briefly describe the content of the EA Methodology chapter, including: • the scope of the proposed Project and the potential for project components and activities to overlap with Valued Components (VCs) in each of the five assessment categories (i.e., environmental, social, economic, heritage, or health considerations) as prescribed by the BC EAA;	5.1 5.6.1		
AIR0185	4.1	Environmental Assessment Methodology	The introduction to this chapter in the Application will briefly describe the content of the EA Methodology chapter, including: • spatial and temporal boundaries;	5.1 5.6.2.1 5.6.2.2		
AIR0186	4.1	Environmental Assessment Methodology	The introduction to this chapter in the Application will briefly describe the content of the EA Methodology chapter, including: • the process for assessing potential effects;	5.1 5.6.3 5.7		
AIR0187	4.1	Environmental Assessment Methodology	The introduction to this chapter in the Application will briefly describe the content of the EA Methodology chapter, including: • the process for determining the significance of residual effects;	5.1 5.8 5.9		
AIR0188	4.1	Environmental Assessment Methodology	The introduction to this chapter in the Application will briefly describe the content of the EA Methodology chapter, including: • the methodology for the cumulative effects assessment.	5.1 5.10		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0189	4.1	Environmental Assessment Methodology	Guidance documents used to develop the assessment methods will be referenced.	5.1 5.2 5.6 5.8 5.9 5.10		
AIR0190	4.2	Environmental Assessment Methodology	The Application will describe the scoping process undertaken for each phase of the proposed Project to identify the VCs within each of the environmental, social, economic, heritage or health assessment categories that may interact either positively or negatively with project components and/or physical activities.	5.6.1		
AIR0191	4.2	Environmental Assessment Methodology	In addition to the potential for the proposed Project to interact with a VC, VCs may be selected based on a consideration of some or all of the following criteria: • presence/abundance and/or distribution within the area affected by the proposed Project; • resilience of a VC to change (i.e., the sensitivity or generalist nature of a biophysical VC); • past mining project experience; • established scientific cause-effect pathways; • legislative requirements; • policy guidance (e.g., the Conservation Framework; BC MOE 2009); • First Nations interest; • public interest; • feedback from the EA Working Group; and • best professional judgement.	5.6.1		
AIR0192	4.2	Environmental Assessment Methodology	It is anticipated that the scoping process will identify issues or concerns that have similar core values and a common receptor or valued component will be selected to collectively assess the project effects on groups of issues. Where it is identified that the proposed Project effect may affect more than one VC, the information will be shared and used in the assessment for each affected VC as required.	5.6.1 [6 to 19].6.1		
AIR0193	4.2	Environmental Assessment Methodology	Specific rationale for why each VC was selected (and the metrics used to assess potential changes to a VC, referred to as the measurement end-point) will be included in the Application.	5.6.1.3 [6 to 19].6.1		
AIR0194	4.3.1	Environmental Assessment Methodology	The Application will include the following: • criteria used to determine the extent of spatial boundaries for each VC;	5.6.2.1 [6 to 16].6.2 17.5.2 18.6.2 19.6.2		
AIR0195	4.3.1	Environmental Assessment Methodology	The Application will include the following: • a description of the local and regional spatial extent of the assessment relative to each VC;	5.6.2.1 [6 to 16].6.2 17.5.2 18.6.2 19.6.2		
AIR0196	4.3.1	Environmental Assessment Methodology	The Application will include the following: • maps outlining the spatial extent of the regional and local study areas.	[6 to 16].6.2 17.5.2 18.6.2 19.6.2		

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AIR0197	4.3.1	Environmental Assessment Methodology	Study areas will be developed based on a review of existing information, potential effects, and feedback received during consultation activities. The spatial boundary for each VC will be discussed and illustrated on figures provided in Sections 5 to 11 for the Application.	5.6.2.1 [6 to 16].6.2 17.5.2 18.6.2 19.6.2		
AIR0198	4.3.2	Environmental Assessment Methodology	The Application will describe the rationale for the selected temporal boundaries for each VC. Potential effects on VCs will be considered for each phase of the proposed Project (where relevant), which are: • Construction;	5.6.2.2 [6 to 16].6.2 17.5.2 18.6.2 19.6.2		
AIR0199	4.3.2	Environmental Assessment Methodology	The Application will describe the rationale for the selected temporal boundaries for each VC. Potential effects on VCs will be considered for each phase of the proposed Project (where relevant), which are: • Operations;	5.6.2.2 [6 to 16].6.2 17.5.2 18.6.2 19.6.2		
AIR0200	4.3.2	Environmental Assessment Methodology	The Application will describe the rationale for the selected temporal boundaries for each VC. Potential effects on VCs will be considered for each phase of the proposed Project (where relevant), which are: • Closure;	5.6.2.2 [6 to 16].6.2 17.5.2 18.6.2 19.6.2		
AIR0201	4.3.2	Environmental Assessment Methodology	The Application will describe the rationale for the selected temporal boundaries for each VC. Potential effects on VCs will be considered for each phase of the proposed Project (where relevant), which are: • Post-Closure.	5.6.2.2 [6 to 16].6.2 17.5.2 18.6.2 19.6.2		
AIR0202	4.3.2	Environmental Assessment Methodology	As appropriate, the Application will describe any annual or seasonal variation for VCs and rationalize how this is incorporated into the assessment.	5.6.2.2 [6 to 16].6.2 17.5.2 18.6.2 19.6.2		
AIR0203	4.4	Environmental Assessment Methodology	The effects analyses will be conducted on VCs over relevant spatial and temporal boundaries.	5.6		
AIR0204	4.4	Environmental Assessment Methodology	The Application will analyze, through either quantitative or qualitative means, and based on baseline monitoring programs, predictive studies, traditional knowledge, or best scientific professional judgement, each potential effect on a VC for each of the relevant phases of the proposed Project, and will identify key mitigation and design measures to minimize adverse effects	5.7		
AIR0205	4.4	Environmental Assessment Methodology	An assessment of the potential for residual adverse effects to occur, taking into account mitigation (i.e., measures taken to avoid, prevent, control, reduce, compensate, offset, and/or manage potential effects) will be presented.	5.8 5.9		
AIR0206	4.4	Environmental Assessment Methodology	Follow-up monitoring programs will be described where relevant for each VC.	25		

				Application/	Application/	
ID		Section	Requirement	EIS Section	EIS Appendix	Comments
AIR0207	4.5	Environmental Assessment Methodology	 Determining whether a Project is likely to cause significant effects will follow the following considerations: Step 1: determining whether the effect is adverse; Step 2: determining whether the effect is likely; and Step 3: determining whether the effect is significant. 	5.6.3 5.7 5.9		
AIR0208	4.5	Environmental Assessment Methodology	The Application will determine the significance of residual effects by considering the following attributes of the effect: • Magnitude: This refers to the intensity or severity of the effect. Low magnitude effects may have no impact, while high magnitude effects may have an impact.	5.9		
AIR0209	4.5	Environmental Assessment Methodology	The Application will determine the significance of residual effects by considering the following attributes of the effect: • Geographic Extent: This refers to the extent of the effect over a geographic area. The geographic extent of effects can be local, watershed, regional or beyond regional. Local effects may have a lower impact than regional effects.	5.9		
AIR0210	4.5	Environmental Assessment Methodology	 The Application will determine the significance of residual effects by considering the following attributes of the effect: Duration and Frequency: This refers to the length of time the effect lasts and how often the effect occurs. The duration of an effect can be short term or long term. The frequency of an effect can be frequent or infrequent. Short term and/or infrequent effects may have a lower impact than long term and/or frequent effects. 	5.9		
AIR0211	4.5	Environmental Assessment Methodology	The Application will determine the significance of residual effects by considering the following attributes of the effect: • Reversibility: This refers to the degree to which the effect is reversible. Effects can be reversible or permanent. Reversible effects may have lower impact than irreversible or permanent effects.: This refers to the degree to which the effect is reversible. Effects can be reversible or permanent. Reversible effects may have lower impact than irreversible or permanent effects.	5.9		
AIR0212	4.5	Environmental Assessment Methodology	The Application will determine the significance of residual effects by considering the following attributes of the effect: • Context: This refers to the ability of the environment to accept change. For example, the effects of a project may have an impact if they occur in areas that are ecologically sensitive, with little resilience to imposed stresses.	5.9		
AIR0213	4.5	Environmental Assessment Methodology	Definitions of each of these attributes may be VC specific and may vary accordingly. Where available, thresholds will be used (e.g., aquatic life receiving environment criteria, ambient air criteria, or land and resource management planning objectives) to assist with the determination of significance.	5.9 [6 to 19].9		
AIR0214	4.5	Environmental Assessment Methodology	The significance of effects will be ranked according to the following categories: • Not significant (minor) • Not significant (moderate) • Significant (major).	5.9.1		
AIR0215	4.5	Environmental Assessment Methodology	Likelihood, confidence and risk of an effect occurring and the associated confidence in the analyses and results will be evaluated using: • Likelihood: The likelihood that an adverse effect will occur in circumstances where it is not certain that the effect will materialize.	5.9.2		
AIR0216	4.5	Environmental Assessment Methodology	Likelihood, confidence and risk of an effect occurring and the associated confidence in the analyses and results will be evaluated using: • Confidence and Risk: The certainty associated with understanding the cause-effect relationship between the project and its interaction with the environment supported by a consideration of the availability of adequate data inputs required to fully characterize this relationship. In some situations, it may be necessary to conduct risk analyses. In these cases, the Application will summarize the process and methodology used for the risk analysis.	5.9.2		
AIR0217	4.5	Environmental Assessment Methodology	The Application will identify whether any of the adverse effects will require follow-up monitoring to determine the effectiveness of identified mitigation measures, or to identify any emerging negative trends.	25		

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0218	4.6	Environmental Assessment Methodology	The cumulative effects assessment will follow, where applicable, the approach used for the Project-specific effects analysis and determination of significance presented above. As an initial starting point, only the project-specific residual effects will be carried forward into the cumulative effects assessment. The Application will: • Provide the methodology and rationale used to identify other projects and activities (past, current, and reasonably foreseeable future projects) that may temporally and spatially overlap with the residual effects of the proposed Project, recognizing that other projects or activities may be located outside the direct zone of influence of the Project;	5.10.2 5.10.3	16-A	
AIR0219	4.6	Environmental Assessment Methodology	The cumulative effects assessment will follow, where applicable, the approach used for the Project-specific effects analysis and determination of significance presented above. As an initial starting point, only the project-specific residual effects will be carried forward into the cumulative effects assessment. The Application will: • Provide the methodology and rationale used to identify other projects and activities (past, current, and reasonably foreseeable future projects) that may temporally and spatially overlap with the residual effects of the proposed Project, recognizing that effects of past and present projects and activities must be expected to continue into the future (i.e., beyond the effects reflected under the existing conditions);	5.10.2 5.10.3		
AIR0220	4.6	Environmental Assessment Methodology	The cumulative effects assessment will follow, where applicable, the approach used for the Project-specific effects analysis and determination of significance presented above. As an initial starting point, only the project-specific residual effects will be carried forward into the cumulative effects assessment. The Application will: • Provide the methodology and rationale used to identify other projects and activities (past, current, and reasonably foreseeable future projects) that may temporally and spatially overlap with the residual effects of the proposed Project, recognizing that project and activities for consideration are not limited to other reviewable projects if those activities are likely to affect VCs cumulatively (e.g., forestry, agriculture, recreational activity).	5.10.2 5.10.3		
AIR0221	4.6	Environmental Assessment Methodology	The cumulative effects assessment will follow, where applicable, the approach used for the Project-specific effects analysis and determination of significance presented above. As an initial starting point, only the project-specific residual effects will be carried forward into the cumulative effects assessment. The Application will: • Identify and describe any potential adverse effects from other projects and activities;	5.10.4 6.11.2.3 7.11.3 8.11.2.4 10.11.2.3 11.12.1.3 12.11.2.3 13.11.1.3 14.11.2.3 15.11.3.3 16.11.2.3 17.10.2.3		
AIR0222	4.6	Environmental Assessment Methodology	The cumulative effects assessment will follow, where applicable, the approach used for the Project-specific effects analysis and determination of significance presented above. As an initial starting point, only the project-specific residual effects will be carried forward into the cumulative effects assessment. The Application will: • Describe the synergistic and additive effects of the overlapping cumulative activities as appropriate;	5.10.4 6.11.2.3 7.11.3 8.11.2.4 10.11.2.3 11.12.1.3 12.11.2.3 13.11.1.3 14.11.2.3 15.11.3.3 16.11.2.3 17.10.2.3		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0223	4.6	Environmental Assessment Methodology	The cumulative effects assessment will follow, where applicable, the approach used for the Project-specific effects analysis and determination of significance presented above. As an initial starting point, only the project-specific residual effects will be carried forward into the cumulative effects assessment. The Application will: - Identify additional mitigation measures that may be required to reduce adverse residual cumulative effects;	5.10.4 6.11.3 7.11.4 8.11.4 10.11.3 11.12.3 12.11.3 13.11.3 14.11.3 15.11.3 16.11.3		
AIR0224	4.6	Environmental Assessment Methodology	The cumulative effects assessment will follow, where applicable, the approach used for the Project-specific effects analysis and determination of significance presented above. As an initial starting point, only the project-specific residual effects will be carried forward into the cumulative effects assessment. The Application will: • Determine the significance of any adverse residual cumulative effects.	5.10.5 6.11.4 7.11.5 8.11.5 10.11.4 11.12.4 12.11.4 13.11.4 14.11.4 15.11.4 16.11.4 17.10.5		
AIR0225	5.1.1	Air Quality	The Application will describe existing baseline meteorological conditions.	6.5.2		
AIR0226	5.1.1	Air Quality	The Application will describe existing baseline meteorological conditions. Baseline air quality monitoring data will be collected, and will be used to describe the meteorology of the area with respect to: • wind (velocity, direction, spatial and temporal variability); • precipitation (volume, frequency, type, spatial and temporal variability); • air temperature (averages, extremes spatial and temporal variability); • humidity (averages, extremes, spatial and temporal variability); • solar radiation (total, net, averages, extremes, spatial and temporal variability); and • evaporation (total, net, averages, extremes, spatial and temporal variability).	6.5.2	8-A [Appendix 7]	
AIR0227	5.1.1	Air Quality	The Application will include a description of relevant legislation, and applicable provincial guidelines, best management practices, and guidance documents (e.g., the Water and Air Baseline Monitoring Guidance Document for Mine Proponents and Operators (BC MOE 2012)).	6.2	6-B	
AIR0228	5.1.1	Air Quality	The Application will describe baseline air quality conditions with respect to criteria air contaminants (CAC), including, but not limited to: • total suspended particulates; • particulate matter (PM _{2.5} and PM ₁₀); • dust deposition; • nitrogen oxides; and • sulphur oxides.	6.5.1	6-B	
AIR0229	5.1.1	Air Quality	The Application will indicate the sources of the baseline data, including the time frame and data collection methods.	6.5.1	6-B	

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0230	5.1.2	Air Quality	The Application will summarize the metrics used to assess Air Quality VC(s). The preliminary VC is Air Quality; specific air contaminants to be modelled and assessed include: • total suspended particulates; • particulate matter (PM _{2.5} and PM ¹⁰); • dust deposition; • nitrogen oxides; and • sulphur oxides.	6.2 Table 6.2-1 6.6.1	6-B	
AIR0231	5.1.3	Air Quality	The Application will identify and describe the rationale for the spatial boundaries for the assessment of air quality. A preliminary study boundary is outlined in Figure 5.1-1, based on the expected extent of the modelling domain for an air dispersion model. The boundary is centered on the proposed Project, and extends 10 km east, south, and west, and 15 km north (to include the District of Tumbler Ridge).	6.6.2	6-B	
AIR0232	5.1.4	Air Quality	The Application will identify and describe the rationale for the temporal boundaries related to the assessment of air quality. In general, effects will be assessed using output from an air dispersion model. Preliminary plans for the model include assessing a 12-month period representative of conditions during the peak construction and peak operation phases of the proposed Project.	6.6.2	6-B	
AIR0233	5.1.5	Air Quality	The Application will identify and analyze potential effects on local air quality through each Project phase. Emission rates for area and point sources and spatial distribution of ground level concentrations will be assessed for the CACs described in the baseline summary.	6.6.3 6.7.1	6-B	
AIR0234	5.1.5	Air Quality	The Application will describe the analysis methodology and standards used to determine the effects of the proposed Project on air quality.	6.2.1 6.7.1	6-B	
AIR0235	5.1.5	Air Quality	Predictions of ambient air quality resulting from the operation of the proposed Project will be made using an air quality dispersion model. The selection and use of that model will be based on the "Guidelines for Air Quality Dispersion Modelling in British Columbia" (BC MOE 2008). The results of the dispersion modelling will be added to the measured or expected background levels of the relevant air contaminants. The results will be compared to relevant air guidelines or objectives for the appropriate time averaging periods to determine the significance, if any, of the proposed Project on air quality.	6.7.1	6-B	
AIR0236	5.1.5	Air Quality	The Application will assess potential air quality effects related to point and mobile sources. The effects assessment will include: • effects on biological receptors (e.g., fish, vegetation, wildlife (not humans));	6.7.1 8.6.3.1 11.6.3.1 13.6.3.6 18.8.3.3	6-B	
AIR0237	5.1.5	Air Quality	The Application will assess potential air quality effects related to point and mobile sources. The effects assessment will include: • a discussion of measures considered to minimize the release of air contaminants (e.g., dust, exhaust gases, greenhouse gases and other air contaminants including particulate matter);	6.7.1.2 6.7.2 24.2.4	6-B	
AIR0238	5.1.5	Air Quality	The Application will assess potential air quality effects related to point and mobile sources. The effects assessment will include: • comparison of the proposed Project's estimated annual greenhouse gases emissions with the mining industry totals and intensities where information is available.	6.7.1		
AIR0239	5.1.5	Air Quality	The Application will assess the potential effects of fugitive dust. Potential impacts to vegetation, including ecosystems, will be assessed in the vegetation assessment and addressed as part of an air quality management plan.	6.7.1		
AIR0240	5.1.5	Air Quality	Proposed mitigation measures and opportunities for progressive reclamation will be identified, and relevant management plans will be referenced.	3.9.5 6.7.2 24.2		
AIR0241	5.1.6	Air Quality	The Application will identify, assess and discuss and the significance of residual effects of the proposed Project. The assessment will consider magnitude, geographic extent, duration and frequency, reversibility, context, probability, and confidence.	6.9.1		
AIR0242	5.1.7	Air Quality	The Application will identify past, present and future projects and activities that may impact the Air Quality VC(s) and could contribute to the assessment of cumulative effects.	6.11.2		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0243	5.1.7	Air Quality	For all identified residual effects, the Application will identify and assess potential cumulative effects in the context of past, present and future projects and activities that may impact the VC.	6.11.3		
AIR0244	5.1.7	Air Quality	For any identified cumulative effects, corresponding proposed mitigation measures will be described and relevant regional management plans (including provincial regional management plan strategies) will be referenced. Residual cumulative effects will be described and their significance will be assessed.	6.11.3		
AIR0245	5.1.8	Air Quality	Based on the analysis provided in the Application, a conclusion will be provided regarding potential residual effects of the proposed Project or potential residual cumulative effects and their significance.	6.10 6.11.4 6.12		
AIR0246	5.2.1.1	Surface Water and Aquatic Resources	 The Application will: Identify monitoring locations (regional and site-specific); Describe baseline hydrologic conditions based on stream flow analysis and flow monitoring; Describe baseline statistics for key hydrologic parameters (e.g., annual runoff, seasonal runoff, seasonal runoff distribution, and annual peak and low flows). 	8.5.2	8-A 8-I	
AIR0247	5.2.1.1	Surface Water and Aquatic Resources	The Application will include a description of relevant legislation, and applicable provincial guidelines, best management practices, and guidance documents (e.g., BC MOE 2012).	8.2	8-B	
AIR0248	5.2.1.2	Surface Water and Aquatic Resources	The Application will describe the approach and methods used to collect data on metal leaching and acid rock drainage (ML/ARD). The Application will describe the results of ML/ARD characterization, including static acid-base accounting testing, kinetic testing and field based testing. The geochemical information will be used to provide source terms for water quality modelling. The description will be sufficiently detailed to allow assessment of the potential for ML/ARD from the overburden and interburden waste rock, raw coal, coarse and fine rejects that may be generated during mining, as well as underground mine surfaces and the gob.	3.5	3-B [Section 3.1] 7-B [Sections 6.1.4 and 6.1.5] 8-E	
AIR0249	5.2.1.2	Surface Water and Aquatic Resources	The ML/ARD characterization will be based on the federal Ministry of Environment's Environmental Code of Practice for Metal Mines sections 3 and 4 and Part 10 of the Health, Safety and Reclamation Code for Mines in British Columbia (BC MEMPR 2008), which contain guidance and requirements for acid rock drainage and metal leaching prediction, prevention and reporting. ML/ARD prediction, prevention and mitigation in British Columbia are further guided by the following documents: • Policy for Metal Leaching and Acid Rock Drainage in British Columbia (BC MEM and BC MELP 1998); • Guidelines for Metal Leaching and Acid Rock Drainage at Minesites in British Columbia (Price and Errington 1998); • List of Potential Information Requirements in Metal Leaching/Acid Rock Drainage Assessment and Mitigation Work (Price 2005); and • Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials (Price 2009).	3.5 8.2 24.7.2	3-B	
AIR0250	5.2.1.2	Surface Water and Aquatic Resources	The Application will describe the baseline surface water quality of potential receiving environment, including the Murray River and the tributary streams in the LSA. This section will describe the approach and methods used, and baseline results for key water quality parameters including: total suspended solids/turbidity, metals, major ions, trace elements, nutrients, pH, and total organic carbon.	8.5.3	8-B 8-C	
AIR0251	5.2.1.2	Surface Water and Aquatic Resources	The Application will include a description of relevant legislation, and applicable provincial guidelines, best management practices, and guidance documents (e.g., BC MOE 2012).	8.2		
AIR0252	5.2.1.2	Surface Water and Aquatic Resources	Cross reference will be made to hydrogeology (Section 5.3) as appropriate.	8.8.1		
AIR0253	5.2.1.3	Surface Water and Aquatic Resources	The Application will describe the baseline condition of other aquatic resources of the Murray River and the tributary streams in the LSA. This section will describe the approach and methods used, and baseline results for key parameters, including: • Sediment quality (moisture, particle size, cyanides, nutrients, organic carbon, and total metal concentrations); • Stream periphyton community (genus richness, density, relative abundance, evenness, diversity and biomass as chlorophyll); and • Stream benthic invertebrate community (genus richness, relative abundance, evenness, diversity and biomass).	8.5.4	8-B 8-C 8-D	
AIR0254	5.2.1.3	Surface Water and Aquatic Resources	The Application will include a description of relevant legislation, and applicable provincial guidelines, best management practices, and guidance documents (e.g., BC MOE 2012).	8.2		

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AIR0255	5.2.2	Surface Water and Aquatic Resources	The Application will summarize the Surface Water and Aquatic Resources VC(s). Preliminary VCs include: • Surface water quantity, assessed by potential changes in flow rates and distribution, as well as potential for erosion; • Surface water quality, assessed at release points (e.g., end-of-pipe) and receiving environment locations; • Sediment quality, assessed at receiving environment locations; and • Aquatic resources (e.g., periphyton and benthic invertebrate communities), assessed at receiving environment locations.	8.6.1 8.7.1.2 8.8.1.2		
AIR0256	5.2.3	Surface Water and Aquatic Resources	The Application will identify and describe the rationale for the spatial boundaries for the assessment of surface water and aquatic resource VCs. In all cases, the Application will assess effects to a point downstream where the predicted effects fall within the range of natural variability.	8.6.2.1		
AIR0257	5.2.4	Surface Water and Aquatic Resources	The Application will identify and describe the rationale for the temporal boundaries related to the assessment of surface water and aquatic resource VCs.	8.6.2.2		
AIR0258	5.2.5	Surface Water and Aquatic Resources	The Application will describe the analysis methodology and standards used to determine the potential effects of the proposed Project on surface water quantity, water quality, and aquatic resources.	8.6.2 8.6.3 8.7.1 8.7.2 8.7.4 8.8.1		
AIR0259	5.2.5	Surface Water and Aquatic Resources	The identification of potential effects will be guided by information outlined in the water balance (Section 2.5.9). Potential linkages with other VCs (e.g, fish habitat, vegetation, soils, wildlife) will be identified.	8.1 8.6.1 8.6.3 8.7.1	8-G	
AIR0260	5.2.5	Surface Water and Aquatic Resources	Specific to water quantity, the assessment will focus on potential effects in relation to ecological instream flow needs and the rights of other water users/licence holders within the Murray River watershed. The assessment will consider the potential effects related to: • water withdrawals and discharge from the proposed Project, including points of withdrawal and discharge; • flood and drought conditions (wet and dry); • climate change scenarios (in the form of sensitivity analysis of key hydrological parameters within the water balance); • receiving water quantity, including changes in timing, volume and deviation of peak and minimum flows resulting from the proposed Project (e.g., dewatering of underground works).	8.6.3.1 8.7.1.1 8.8.1.1 18.3.1 Figure 18.3-1 Figure 18.3-2 23.3.2.3	8-E	
AIR0261	5.2.5	Surface Water and Aquatic Resources	Potential effects on natural stream morphology and sediment transport will be assessed if changes are evidenced from changes to the hydrological flow regime.	8.6.3.1 8.6.3.2 8.7.1.1 8.8.1.1		
AIR0262	5.2.5	Surface Water and Aquatic Resources	Geochemistry is considered a cause-effect pathway to other VCs; results from the geochemical characterization will be used to inform the effects assessment for surface water and groundwater quality, and will be used to guide water management, waste management, and closure planning activities.	3.5 3.9 3.10 7.7.4 8.7.1.2 24.6 24.7	3-B 8-E	
AIR0263	5.2.5	Surface Water and Aquatic Resources	All geochemical modeling will be presented in a clear and transparent manner, and the methods, assumptions and rationale used to generate source terms and estimate water quality will be thoroughly explained. Sensitivity analysis and contingency plans will be provided where there are significant uncertainties or risks associated with the predicted water quality.	8.7.1.2	8-E	

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0264	5.2.5	Surface Water and Aquatic Resources	Water quality predictions will be conducted for relevant on-site and receiving environment locations, key flow conditions and relevant time-steps in the mine life (i.e., temporal boundaries will include operations, closure, post-closure, workings flooded and discharging, etc.).	8.7.1.2 8.8.1.2	8-E	
AIR0265	5.2.5	Surface Water and Aquatic Resources	The lag time to ML/ARD onset will be assessed for all potentially ARD generating materials, and this information will be integrated into the Application where appropriate (e.g., in the development of management plans or to describe temporal (duration/frequency) aspects of the significance determinations for surface and groundwater quality, and other VCs where appropriate).	8.7.1.2 24.7	3-B 8-E	
AIR0266	5.2.5	Surface Water and Aquatic Resources	With respect to water quality and aquatic resources, the assessment will consider potential effects in relation to suspended solids, metals, nutrients and major ion concentrations of both controlled and uncontrolled site runoff and seepage influenced by the proposed Project through mechanisms such as geochemistry, blasting residues, and erosion.	8.6.3		
AIR0267	5.2.5	Surface Water and Aquatic Resources	Receiving water quality will be modelled for relevant on-site locations and downstream of any discharge points at time periods that address all phases of the proposed Project. Modelling of the receiving environment will be presented in a clear and transparent manner, outlining the methods, assumptions and limitations of the model.	8.7.1.2 8.8.1.2	8-E 8-F 8-G	
AIR0268	5.2.5	Surface Water and Aquatic Resources	The Application will include a description of predicted effluent within the delineation plume to the limits of predicted changes caused by the proposed Project. If the predictive modelling demonstrates impacts on receiving waters exceed BC or site specific guidelines, the Application will address how these exceedances will be mitigated during all phases of the proposed Project.	8.8.1.2	8-E 8-F 8-G	
AIR0269	5.2.5	Surface Water and Aquatic Resources	The Application will describe proposed measures available to manage the impacts identified above, including measures to contain and treat contaminated water, and opportunities for progressive reclamation. Relevant management plans will be referenced as appropriate.	3.5 8.7.4 3.9.3		
AIR0270	5.2.6	Surface Water and Aquatic Resources	The Application will identify, assess and discuss and the significance of residual effects of the proposed Project. The assessment will consider magnitude, geographic extent, duration and frequency, reversibility, context, probability, and confidence	8.8 8.9		
AIR0271	5.2.7	Surface Water and Aquatic Resources	The Application will identify past, present and future projects and activities that may impact the Surface Water and Aquatic Resources VC(s) and could contribute to the assessment of cumulative effects.	8.11.2		
AIR0272	5.2.7	Surface Water and Aquatic Resources	For all identified residual effects, the Application will identify and assess potential cumulative effects in the context of past, present and future projects and activities that may impact the VC.	8.11.3		
AIR0273	5.2.7	Surface Water and Aquatic Resources	For any identified cumulative effects, corresponding proposed mitigation measures will be described and relevant regional management plans (including provincial regional management plan strategies) will be referenced. Residual cumulative effects will be described and their significance will be assessed.	8.11.3		
AIR0274	5.2.8	Surface Water and Aquatic Resources	Based on the analysis provided in the Application, a conclusion will be provided regarding potential residual effects of the proposed Project or potential residual cumulative effects and their significance.	8.11.4		
AIR0275	5.3.1	Hydrogeology	The Application will describe the hydrogeology of the proposed Project area, including identification of the hydrogeologic properties and associated groundwater quality (e.g., physical parameters, major ions, nutrients, total metals and dissolved metals) of the underlying stratigraphic units. Information will be derived from a review and analysis of available geology and hydrogeological information (e.g., regional published reports and maps and analogue data from neighbouring projects), traditional ecological or community knowledge, where available, and from site-specific groundwater wells installed throughout the proposed Project area.	7	7-A: 4.1 4.2 4.3 4.4.2 4.4.3 5	
AIR0276	5.3.1	Hydrogeology	Results of the information review and field investigations will allow for: characterization of aquifers and aquitards, including spatial extent, thickness and continuity, hydraulic properties, and the degree of aquifer confinement; identification of groundwater recharge and discharge zones; and the relationship and connectivity of local groundwater aquifers to aquifers in surrounding areas.	7	7-A [5.1; 5.2; 5.3; 5.4] 7-B [2.3; 2.5.3; 3.1; 3.2; 3.3; 4.4; 4.6.1; 7]	
AIR0277	5.3.1	Hydrogeology	The Application will include a description of relevant legislation, and applicable provincial guidelines, best management practices, and guidance documents (e.g., BC MOE 2012).	7.2		
AIR0278	5.3.2	Hydrogeology	The Application will summarize the Hydrogeology VC(s). Preliminary VCs are groundwater quantity and quality, with a particular focus on assessing the potential for on-site contact water to enter the groundwater system and be transported to off-site locations.	7.6.1		

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AIR0279	5.3.3	Hydrogeology	The Application will identify and describe the rationale for the spatial boundaries for the assessment of groundwater VCs.	7.6.2	7-B [4.3]	
AIR0280	5.3.4	Hydrogeology	The Application will identify and describe the rationale for the temporal boundaries related to the assessment of groundwater VCs	7.6.2	7-B [6.1.5]	
AIR0281	5.3.5	Hydrogeology	The identification of potential effects will consider both local (shallow) and regional (deep) groundwater flow in relation to: • groundwater levels and flow directions; • groundwater chemistry; and • groundwater recharge (surficial and bedrock aquifers).	7.6.3		
AIR0282	5.3.5	Hydrogeology	The Application will describe the analysis methodology and standards used to determine the effects of the proposed Project on groundwater.	7.7.1		
AIR0283	5.3.5	Hydrogeology	For the local (shallow) groundwater, the Application will consider potential effects on groundwater quantity and quality based on the results of a numerical groundwater model. The model will be developed based on guidelines from the BC MOE (Wels, Mackie, and Scibek 2012). The model will integrate the local hydrogeology with the development of mine site infrastructure and geochemical characterization to allow for the assessment of flow-paths and receiving environment dilution. The model will assess the relevant phases of the proposed Project.	7	7-B: 6.1 6.2	
AIR0284	5.3.5	Hydrogeology	The groundwater model will be calibrated with on-site data. Input parameters, boundary conditions and limitations of the model will be discussed in a clear and transparent manner. The accuracy of predictions will be explicitly stated.	7	7-B [4; 7]	
AIR0285	5.3.5	Hydrogeology	All input parameter estimates (e.g., precipitation, evaporation, stream flows, groundwater flows, soil and rock permeability) reported will include the source of information (either estimates or empirical) and will make reference to measurement standards or collection protocols used, and assumptions built into the data. Input ranges and confidence estimates for parameters will be reported as appropriate.	7	7-B [2.5.3; 4.4; 4.5; 4.6; 4.6.1; 5.3.4; 6.1.2]	
AIR0286	5.3.5	Hydrogeology	For regional (deep) groundwater, a model will also be developed to assess Post-Closure of the underground workings through comparison of groundwater flow patterns pre-mine and post-mine and consideration of geochemical predictions.	7	7-B [6.1.4; 6.1.5]	
AIR0287	5.3.5	Hydrogeology	The groundwater quality predictions and effects assessment will consider pH, alkalinity, sulphate, cations, major and trace metal/metalloids, nitrogen species etc., and include comparison to all relevant water quality guidelines and objectives.	7.7.4		
AIR0288	5.3.5	Hydrogeology	Contingency plans will be provided where there are significant uncertainties or risks associated with the predictions. The Application will describe proposed measures available to manage the impacts identified above.	7.7.5		
AIR0289	5.3.6	Hydrogeology	The Application will identify, assess and discuss and the significance of residual effects of the proposed Project. The assessment will consider magnitude, geographic extent, duration and frequency, reversibility, context, probability, and confidence	7.8 7.9.1 7.9.2 7.10		
AIR0290	5.3.7	Hydrogeology	The Application will identify past, present and future projects and activities that may impact the Hydrogeology VC(s) and could contribute to the assessment of cumulative effects.	7.11		
AIR0291	5.3.7	Hydrogeology	For all identified residual effects, the Application will identify and assess potential cumulative effects in the context of past, present and future projects and activities that may impact the VC.	7.11		
AIR0292	5.3.1	Hydrogeology	For any identified cumulative effects, corresponding proposed mitigation measures will be described and relevant regional management plans (including provincial regional management plan strategies) will be referenced. Residual cumulative effects will be described and their significance will be assessed	7.11		
AIR0293	5.3.8	Hydrogeology	Based on the analysis provided in the Application, a conclusion will be provided regarding potential residual effects of the proposed Project or potential residual cumulative effects and their significance.	7.12		
AIR0294	5.4.1	Fish and Fish Habitat	The Application will provide a review of the results of previous fish and fish habitat investigations in the proposed Project area, traditional ecological or community knowledge, where available, as well as a summary of Project specific studies that have been completed. This section will summarize fish species composition, relative abundance, and distribution, as well as descriptions of habitat use, life history characteristics, seasonal movements, and metal burdens, for key species and sentinel species in the Murray River and local tributary streams in the LSA.	9.5.1 9.5.2	9-A 9-B	

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0295	5.4.1	Fish and Fish Habitat	The Application will include a description of relevant legislation, and applicable provincial guidelines, best management practices, and guidance documents (e.g., FLNRO 2012; BC MOE 2012).	9.2 9.5.2 9.6.3 9.7.2	9-A 9-B	
AIR0296	5.4.2	Fish and Fish Habitat	The Application will summarize the Fish and Fish Habitat VC(s). Preliminary VCs include: • Bull trout – a blue-listed fish species present in Murray River; and • Fish habitat – assessing the potential for loss or alteration of habitat resulting from specific Project infrastructure, as well as potential downstream effects.	9.6.1.1		
AIR0297	5.4.3	Fish and Fish Habitat	The Application will identify and describe the rationale for the spatial boundaries for the assessment of fish and fish habitat. The assessment will focus on the potential for effects to fish-bearing waterbodies within the Local Study Area, extending to a point downstream where the effects fall within the range of natural variability.	9.6.2.1		
AIR0298	5.4.4	Fish and Fish Habitat	The Application will identify and describe the rationale for the temporal boundaries related to the assessment of fish and fish habitat.	9.6.2.2		
AIR0299	5.4.5	Fish and Fish Habitat	The Application will identify and assess potential effects on fish and fish habitat during each phase of the proposed Project. Potential effects that will be assessed include: • direct habitat effects due to the mine footprint; • changes in water quantity and quality in habitats downstream of potential discharges; and • changes in fish harvesting patterns due to changes in access and human presence.	9.6.3 9.7		
AIR0300	5.4.5	Fish and Fish Habitat	The Application will describe the analysis methodology and standards used to determine the effects of the proposed Project on fish and fish habitat, and will consider: • productive capacity of fish habitat; • seasonality of fish utilization and fish-bearing status of potentially affected streams; • habitat loss or alteration, including aquatic vegetation and sensitive areas such as spawning grounds, nursery areas, winter refuges and migration corridors; • natural barriers to fish migrations; • changes in stream flow; • changes in groundwater seepage quantity and quality; • rare and / or sensitive species and habitat (as listed by COSEWIC or SARA); • species of cultural, spiritual, or traditional use importance to First Nations groups; • traditional ecological knowledge, when and where available; • changes to the thermal regime of the aquatic environment; • changes to fish harvesting; • direct (chronic and acute toxicity) and indirect (changes in periphyton and benthic invertebrates) effects to fish due to changes in water chemistry (e.g., suspended solids, nutrients, major ions and metals) from Project related discharges; and • mitigation and/or compensation requirements based on DFO (1991) "Policy for the Management of Fish Habitat" and the related principle of No-Net-Loss of the productive capacity of fish habitat.	9.7		
AIR0301	5.4.5	Fish and Fish Habitat	Any harmful alterations, disruption, or destruction (HADD) of fish habitat caused by the proposed Project will be quantified.	9.7.2.7		
AIR0302	5.4.5	Fish and Fish Habitat	A compensation plan will be developed that meets DFO's guiding principle of no net loss of productive capacity of fish habitat. Compensation alternatives will be developed that are consistent with regional fisheries management objectives and DFO's preference hierarchy.	not required		
AIR0303	5.4.6	Fish and Fish Habitat	The Application will identify, assess and discuss the significance of residual effects of the proposed Project. The assessment will consider magnitude, geographic extent, duration and frequency, reversibility, context, probability, and confidence	9.8 9.9		
AIR0304	5.4.7	Fish and Fish Habitat	The Application will identify past, present and future projects and activities that may impact the Fish and Fish Habitat VC(s) and could contribute to the assessment of cumulative effects.	9.11.2		
AIR0305	5.4.7	Fish and Fish Habitat	For all identified residual effects, the Application will identify and assess potential cumulative effects in the context of past, present and future projects and activities that may impact the VC.	9.11.3 9.11.4		

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0306	5.4.7	Fish and Fish Habitat	For any identified cumulative effects, corresponding proposed mitigation measures will be described and relevant regional management plans (including provincial regional management plan strategies) will be referenced. Residual cumulative effects will be described and their significance will be assessed.	9.11.3		
AIR0307	5.4.8	Fish and Fish Habitat	Based on the analysis provided in the Application, a conclusion will be provided regarding potential residual effects of the proposed Project or potential residual cumulative effects and their significance.	9.12		
AIR0308	5.5.1	Terrain	The Application will include a description of baseline conditions related to: • physiography and topography; • terrain classification; and • known geohazards.	10.5.3		
AIR0309	5.5.1	Terrain	The information will be supported by mapping of the study area. The mapping will be further supported by traditional ecological knowledge, when and where available.	10.5.3		
AIR0310	5.5.1	Terrain	The Application will include a description of relevant legislation, and applicable provincial guidelines, best management practices, and guidance documents (e.g., Guidelines and Standards for Terrain Mapping in British Columbia, RISC 1996).	10.2 10.5.2 10.11.5	10-A 10-B	
AIR0311	5.5.2	Terrain	The Application will summarize the Terrain VC(s). The preliminary VC is terrain stability; focusing on the potential for the proposed Project's activities to increase terrain stability risks.	10.6.1 10.6.3		
AIR0312	5.5.3	Terrain	The Application will identify and describe the rationale for the spatial boundaries for the assessment of terrain.	10.6.2		
AIR0313	5.5.4	Terrain	The Application will identify and describe the rationale for the temporal boundaries related to the assessment of terrain.	10.6.2		
AIR0314	5.5.5	Terrain	The Application will describe the analysis methodology and standards used to determine the effects of the proposed Project on terrain VCs.	10.2 10.6 10.9.1		
AIR0315	5.5.5	Terrain	The Application will identify potential effects (direct and indirect) on the stability of terrain features based on terrain stability class ratings. In addition, this section will address potential effects to infrastructure (on-site and off-site) resulting from surface subsidence associated with underground mining. Appropriate mitigation measures will be proposed and related to management plans	10.7.1 10.7.2 24.5		
AIR0316	5.5.6	Terrain	The Application will identify, assess and discuss and the significance of residual effects of the proposed Project. The assessment will consider magnitude, geographic extent, duration and frequency, reversibility, context, probability, and confidence	10.9.1 10.9.2 10.9.3 10.9.4		
AIR0317	5.5.7	Terrain	The Application will identify past, present and future projects and activities that may impact the Terrain VC(s) and could contribute to the assessment of cumulative effects.	10.11.3		
AIR0318	5.5.7	Terrain	For all identified residual effects, the Application will identify and assess potential cumulative effects in the context of past, present and future projects and activities that may impact the VC.	10.11.4		
AIR0319	5.5.7	Terrain	For any identified cumulative effects, corresponding proposed mitigation measures will be described and relevant regional management plans (including provincial regional management plan strategies) will be referenced. Residual cumulative effects will be described and their significance will be assessed.	10.11.5 10.11.6		
AIR0320	5.5.8	Terrain	Based on the analysis provided in the Application, a conclusion will be provided regarding potential residual effects of the proposed Project or potential residual cumulative effects and their significance.	10.12		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0321	5.6.1	Terrestrial Ecology	The Application will include a description of baseline conditions related to: • land cover, including natural and anthropogenic classes; • ecological communities, including species composition, structure, and function; • surface soils, including classification, suitability for reclamation, quality, erosion potential; • rare or highly valued local species, including COSEWIC and SARA-listed plant species, and CDC red- and blue-listed species; • species of cultural, spiritual, or traditional use importance to First Nations groups; • invasive, noxious plants, as defined in the province's Weed Control Act; and • a description of the ecological communities expected to have been present in the area prior to historical development.	11.5		
AIR0322	5.6.1	Terrestrial Ecology	The information will be supported by ecosystem mapping of the study area. The mapping will be further supported by traditional ecological knowledge, when and where available.	11.5		
AIR0323	5.6.1	Terrestrial Ecology	The Application will include a description of relevant legislation, and applicable provincial guidelines, best management practices, and guidance documents (e.g., The Standard for Terrestrial Ecosystem Mapping in British Columbia (RISC 1998)).	11.2 11.5.2	11-A 11-B	
AIR0324	5.6.2	Terrestrial Ecology	The Application will summarize the Terrestrial Ecology VC(s). Preliminary VCs include: Rare plant and rare plant habitat; Rare or highly valued plants; Ecosystems of conservation interest; Alpine ecosystems; Parkland ecosystems; Forested ecosystems; and Ecologically valuable soil.	11.5 11.6.1		
AIR0325	5.6.3	Terrestrial Ecology	The Application will identify and describe the rationale for the spatial boundaries for the assessment of terrestrial ecology.	11.6.2		
AIR0326	5.6.4	Terrestrial Ecology	The Application will identify and describe the rationale for the temporal boundaries related to the assessment of terrestrial ecology.	11.6.2.2		
AIR0327	5.6.5	Terrestrial Ecology	The Application will describe the analysis methodology and standards used to determine the effects of the proposed Project on terrestrial ecology VCs.	11.7.1		
AIR0328	5.6.5	Terrestrial Ecology	The Application will identify potential effects (direct and indirect) on the environment related to the loss of VC spatial extent, distribution and function. In particular, any potential for change to a listed species or its critical habitat (as defined in SARA) will be thoroughly discussed. Mitigation will be related to management plans	11.6.3 11.7.2 11.7.3.2 11.7.3.3		
AIR0329	5.6.6	Terrestrial Ecology	The Application will identify, assess and discuss and the significance of residual effects of the proposed Project. The assessment will consider magnitude, geographic extent, duration and frequency, reversibility, context, probability, and confidence	11.9 11.10		
AIR0330	5.6.7	Terrestrial Ecology	the Application will identify past, present and future projects and activities that may impact the Terrestrial Ecology VC(s) and could contribute to the assessment of cumulative effects.	11.12.1		
AIR0331	5.6.7	Terrestrial Ecology	For all identified residual effects, the Application will identify and assess potential cumulative effects in the context of past, present and future projects and activities that may impact the VC.	11.12.2		
AIR0332	5.6.7	Terrestrial Ecology	For any identified cumulative effects, corresponding proposed mitigation measures will be described and relevant regional management plans (including provincial regional management plan strategies) will be referenced. Residual cumulative effects will be described and their significance will be assessed.	11.12.3 to 11.12.5		
AIR0333	5.6.8	Terrestrial Ecology	Based on the analysis provided in the Application, a conclusion will be provided regarding potential residual effects of the proposed Project or potential residual cumulative effects and their significance.	11.13		

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0334	5.7.1	Wetlands	The Application will include a description of baseline conditions, including detailed mapping of wetland extent, and an evaluation of wetland function (e.g., hydrologic, biochemical, ecological and habitat) through standard classification and assessment techniques.	12.5.2 12.5.3 12.8.3		
AIR0335	5.7.1	Wetlands	The Application will include a description of relevant legislation, and applicable provincial guidelines, best management practices, and guidance documents (e.g., Wetlands of British Columbia: a Guide to Identification, MacKenzie, W.H., and J.R. Moran. 2004; Hansen et al., 2008).	12.2		
AIR0336	5.7.2	Wetlands	The Application will summarize the Wetland VC(s). The preliminary VC is 'wetlands', as assessed through potential changes in the extent and/or function of the wetland ecosystem.	12.6.1		
AIR0337	5.7.3	Wetlands	The Application will identify and describe the rationale for the spatial boundaries for the assessment of wetlands.	12.6.2.1		
AIR0338	5.7.4	Wetlands	The Application will identify and describe the rationale for the temporal boundaries related to the assessment of wetlands.	12.6.2.2		
AIR0339	5.7.5	Wetlands	The Application will describe the analysis methodology and standards used to determine the effects of the proposed Project on wetlands VCs.	12.2 12.6.3 12.6.4		
AIR0340	5.7.5	Wetlands	The Application will identify potential effects (direct and indirect) on the environment related to the loss of wetland spatial extent and function. Mitigation will be related to management plans	12.7.1 12.7.2		
AIR0341	5.7.6	Wetlands	The Application will identify, assess and discuss and the significance of residual effects of the proposed Project. The assessment will consider magnitude, geographic extent, duration and frequency, reversibility, context, probability, and confidence	12.8 12.9		
AIR0342	5.7.7	Wetlands	With reference to Section 4.6, the Application will identify past, present and future projects and activities that may impact the Wetland VC(s) and could contribute to the assessment of cumulative effects.	12.11.2 12.11.3		
AIR0343	5.7.7	Wetlands	For all identified residual effects, the Application will identify and assess potential cumulative effects in the context of past, present and future projects and activities that may impact the VC.	12.11.3.2		
AIR0344	5.7.7	Wetlands	For any identified cumulative effects, corresponding proposed mitigation measures will be described and relevant regional management plans (including provincial regional management plan strategies) will be referenced. Residual cumulative effects will be described and their significance will be assessed.	12.11.3.3		
AIR0345	5.7.8	Wetlands	Based on the analysis provided in the Application, a conclusion will be provided regarding potential residual effects of the proposed Project or potential residual cumulative effects and their significance.	12.11.4 12.12		
AIR0346	5.8.1	Wildlife	The Application will include a description of the local and regional wildlife species and their associated habitats near the proposed Project, including: Caribou; Elk; Moose; Mountain Goat; Grizzly Bear; Furbearers (fisher as representative species); Bats; Raptors; Song birds (black-throated warbler as representative species); Waterfowl; and Amphibians (Western toad).	13.5.4		
AIR0347	5.8.1	Wildlife	The description will summarize species abundance and richness, with a specific focus on species of conservation concern (e.g., species covered by SARA, COSEWIC, or BC provincial red- and blue-Lists (BC CDC 2010)) and species of importance to local and First Nations communities.	13.3.4 13.3.5 13.5.3		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0348	5.8.1	Wildlife	Habitat characterization will be guided by the results of Terrestrial Ecosystem Mapping and traditional ecological knowledge, when and where available.	13.4.4 13.4.5 13.4.6 13.5.3 13.5.4		
AIR0349	5.8.1	Wildlife	The Application will include a description of relevant legislation, and applicable provincial guidelines, best management practices, and guidance documents (e.g., RISC standards for wildlife).	13.2.1 13.2.2 13.7		
AIR0350	5.8.2	Wildlife	The Application will summarize the Wildlife VC(s). Wildlife VCs cover a wide array of species types; preliminary VCs include: Caribou; Elk; Moose; Mountain Goat; Grizzly Bear; Furbearers (fisher as representative species); Bats; Raptors; Song birds (black-throated warbler as representative species); Waterfowl; and Amphibians (Western toad).	13.5.4 13.6.1		
AIR0351	5.8.3	Wildlife	The Application will identify and describe the rationale for the spatial boundaries for the assessment of wildlife. The assessment of effects will focus on the mine infrastructure footprint, and potential change to specific VC habitat requirements within the Local Study Area. The regional scale information will provide additional context, and will support the cumulative effects assessment.	13.6.2		
AIR0352	5.8.4	Wildlife	The Application will identify and describe the rationale for the temporal boundaries related to the assessment of wildlife.	13.6.2		
AIR0353	5.8.5	Wildlife	The Application will describe the analysis methodology and standards used to determine the effects of the proposed Project on wildlife VCs.	13.6.3		
AIR0354	5.8.5	Wildlife	For each wildlife VC, the Application will identify potential direct and indirect effects on both wildlife and their habitats resulting from the proposed Project, including consideration of: • habitat loss; • disruption of movements; • sensory disturbance (e.g., noise); • direct and indirect wildlife mortality from Project activities; • exposure to contaminants; and • attractants for particular species. In particular, any potential for change to a listed species, its critical habitat or the residences of individuals of that species (as defined in SARA) will be thoroughly discussed. Mitigation and management measures that are proposed will be consistent with recovery strategy planning for the region.	13.6.3 13.7		
AIR0355	5.8.6	Wildlife	The Application will identify, assess and discuss and the significance of residual effects of the proposed Project. The assessment will consider magnitude, geographic extent, duration and frequency, reversibility, context, probability, and confidence	13.9		
AIR0356	5.8.7	Wildlife	the Application will identify past, present and future projects and activities that may impact the Wildlife VC(s) and could contribute to the assessment of cumulative effects.	13.11.1		

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0357	5.8.7	Wildlife	For all identified residual effects, the Application will identify and assess potential cumulative effects in the context of past, present and future projects and activities that may impact the VC.	13.11.2 13.11.3 13.11.4		
AIR0358	5.8.7	Wildlife	For any identified cumulative effects, corresponding proposed mitigation measures will be described and relevant regional management plans (including provincial regional management plan strategies) will be referenced. Residual cumulative effects will be described and their significance will be assessed.	13.11.5		
AIR0359	5.8.8	Wildlife	Based on the analysis provided in the Application, a conclusion will be provided regarding potential residual effects of the proposed Project or potential residual cumulative effects and their significance.	13.11.7 13.11.8		
AIR0360	5.9	Summary of Assessment of Potential Environmental Effects	The Application will summarize potential residual environmental effects of the proposed Project and their significance using the table format presented in Table 5.9-1 in AIR	[5 to 19].12		
AIR0361	6.1.1	Economics	The Application will describe the proposed Project's economic setting including: • trends in population and demographic characteristics described in terms of age and gender distribution, mobility and household structure; • expected growth of population in nearby communities and expected changes in population characteristics; • provincial and regional labour supply and demand by job sector and category; and • income and earnings where information is available. Information and trends will be based on the most up to date federal and provincial data including information from census and community economic development bodies.	14.3 14.5.3.1 14.5.3.2 15.5.3.3	14-A	
AIR0362	6.1.1	Economics	The Application will: • describe economic activity and trends in the region; • describe local and regional suppliers of goods and services; and • provide an overview of the methods used to collect the baseline data.	14.3 14.5 14.5.1 14.5.2 14.5.2.1 14.5.2.2 14.5.3.3 15.3 15.4 15.5	14-A	
AIR0363	6.1.1	Economics	The Application will include a description of relevant legislation, and applicable provincial guidelines, best management practices, and guidance documents.	14.2		
AIR0364	6.1.2	Economics	the Application will summarize the rationale for selecting and assessing each Economic VC(s). Preliminary Economic VCs include: • Employment and income; and • Economic activity.	14.6.1.1 14.6.1.2 14.6.1.3		
AIR0365	6.1.3	Economics	The Application will identify and describe the spatial boundaries related to the assessment of effects on local, regional and provincial economies.	14.6.2.1		
AIR0366	6.1.4	Economics	The Application will identify and describe the temporal boundaries related to the assessment of economic effects on local, regional and provincial economies.	14.6.2.2		
AIR0367	6.1.5	Economics	The Application will describe the analysis methodology and standards used to determine the effects of the proposed Project on economic VCs.	1.7.1 14.2 14.6.3 14.6.3.1 14.6.3.2 14.6.3.3		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0368	6.1.5	Economics	Economic VCs will be assessed based on the economic information outlined in Section 2.9. The Application will examine the demands of the proposed Project for labour, goods, and services in the context of current and expected future regional capacity. This will determine what labour and materials may have to be imported, potentially creating additional demands on regional infrastructure and services, and potentially stressing other business activities in the region. Effects related to infrastructure and services will be assessed as part of the social effects assessment. Opportunities to enhance potential Project benefits and mitigate potential adverse effects will be described.	1.7 14.6.3.2 14.7.1 14.7.1.1 14.7.3 14.7.3.1		
AIR0369	6.1.6	Economics	The Application will identify, assess and discuss and the significance of residual effects of the proposed Project. The assessment will consider magnitude, geographic extent, duration and frequency, reversibility, context, probability, and confidence	14.8 14.9		
AIR0370	6.1.7	Economics	The Application will identify past, present and future projects and activities that may impact the Economic VC(s) and could contribute to the assessment of cumulative effects.	14.11.2 Table 14.11-1 Figure 14.11-1 Figure 14.11-2		
AIR0371	6.1.7	Economics	For all identified residual effects, the Application will identify and assess potential cumulative effects in the context of past, present and future projects and activities that may impact the VC.	14.11.3 Table 14.11-2 14.11.4		
AIR0372	6.1.7	Economics	For any identified cumulative effects, corresponding proposed mitigation measures will be described and relevant regional management plans (including provincial regional management plan strategies) will be referenced. Residual cumulative effects will be described and their significance will be assessed.	14.11.3 14.11.4 Table 14.11-2		
AIR0373	6.1.8	Economics	Based on the analysis provided in the Application, a conclusion will be provided regarding potential residual effects of the proposed Project or potential residual cumulative effects and their significance.	14.12		
AIR0374	6.2	Economics	The Application will summarize potential residual economic effects of the proposed Project and their significance using the table format presented in Table 6.2-1 in AIR	14.12 Table 14.12-1		
AIR0375	7.1.1	Social Effects	 The Application will describe the social setting including: population, demographics, infrastructure and services (e.g., social, housing, emergency response, health, transportation etc.) of communities in West Moberly, Saulteau, McLeod Lake, District of Tumbler Ridge, Chetwynd, Dawson Creek, Fort St. John and the Peace River Regional District; educational levels and skills in communities, where information is available; regional and local education and training resources, program, and facilities; Crown tenures (e.g., trapping, forestry, utilities, pipeline, mineral, oil and gas, guide outfitting, commercial recreation etc.) and licences, fee simple lands, parks, ecological reserves, protected areas, official community plans the land and resource management plans within the proposed Project area; and describe commercial and non-commercial land uses in the proposed Project area, including resource development, fishing, recreation, registered hunting, trapping and guiding. 	15.5.3 16.5.3	14-A 16-A	
AIR0376	7.1.1	Social Effects	The Application will identify the methods (e.g., interviews and desk-based research), traditional knowledge studies, and information sources used (e.g., Statistics Canada and BC stats) to describe the social setting.	15.2 15.5.1 15.5.2 16.2 16.5.3	14-A 16-A	
AIR0377	7.1.1	Social Effects	The Application will include a description of relevant legislation, and applicable provincial guidelines, best management practices, and guidance documents.	15.2 16.2	14-A 16-A	

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0378	7.1.2	Social Effects	the Application will describe the rationale for selecting and assessing each Social VC(s).	15.6.1		
			Preliminary Social VCs include:	16.6.1.1		
			Community demographics;			
			Community wellbeing;			
			Education, skills and training;			
			Community infrastructure (e.g, utilities, roads, rail);			
			Community services (e.g., policing, hospitals, social services, community centers, recreation facilities);			
			Commercial land use;			
			Non-commercial land use; and			
			Aesthetics.			
AIR0379	7.1.3	Social Effects	The Application will identify and describe the rationale for the spatial boundary for the assessment of social effects. The assessment of land use will focus on the Local	15.6.2.1		
			Study Area outlined in Figure 5.5-1.	16.6.2.1		
AIR0380	7.1.4	Social Effects	The Application will identify and describe the rationale for the temporal boundaries for the assessment of social effects.	15.6.2.2		
				16.6.2.2		
AIR0381	7.1.5	Social Effects	The Application will describe the analysis methodology and standards used to determine the effects of the proposed Project on social VCs.	15.2		
				15.6.3		
				16.2 16.6.3		
A ID0202	715	Carial Effects	The Auditoria will account at a first of the constitution of the c			
AIR0382	7.1.5	Social Effects	The Application will assess potential effects on existing community infrastructure and services in local communities arising from the proposed Project including:	15.6.3.1		
			• potential change in community population, demographics as a result of the proposed Project;			
			• potential for increased demand on community infrastructure and services (e.g., housing, recreational and health facilities); and			
			potential for change to community wellbeing.			
AIR0383	7.1.5	Social Effects	The Application will describe potential education and skills training effects related to the construction and operation phases of the proposed Project, including the potential demand on existing post-secondary facilities and programs and identification of potential barriers for access.	15.7.5		
AIR0384	7.1.5	Social Effects	The Application will assess the proposed Project's effects on land and resources uses in the proposed Project area, taking into account the objectives of the existing land and	16.5.3		
			resource management plan. The Application will also identify potential land use conflicts with overlapping tenure holders and outline proposed mitigation measures.	Table 16.5-2		
				16.7 16.7.6		
AIR0385	7.1.6	Social Effects	The Application will identify, assess and discuss and the significance of residual effects of the proposed Project. The assessment will consider magnitude, geographic	15.8		
AIKU363	7.1.6	Social Effects	extent, duration and frequency, reversibility, context, probability, and confidence	15.9		
				16.8		
AIR0386	7.1.7	Social Effects	With reference to Section 4.6, the Application will identify past, present and future projects and activities that may impact the Social VC(s) and could contribute to the	15.11.2		
			assessment of cumulative effects.	Table 16.11-1		
				16.11.2.3		
AIR0387	7.1.7	Social Effects	For all identified residual effects, the Application will identify and assess potential cumulative effects in the context of past, present and future projects and activities that	15.11.4		
			may impact the VC.	16.11.3		
AIR0388	7.1.7	Social Effects	For any identified cumulative effects, corresponding proposed mitigation measures will be described and relevant regional management plans (including provincial	15.11.4		
			regional management plan strategies) will be referenced. Residual cumulative effects will be described and their significance will be assessed.	16.11.4		
AIR0389	7.1.8	Social Effects	Based on the analysis provided in the Application, a conclusion will be provided regarding potential residual effects of the proposed Project or potential residual	15.12		
			cumulative effects and their significance.	16.12		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0390	7.2	Social Effects	The Application will summarize potential residual social effects of the proposed Project and their significance using the table format presented in Table 7.2-1 in AIR	15.10 16.9		
AIR0391	8.1.1	Human Health	The Application will describe parameters affecting the human health setting of the proposed Project, including: • air quality • noise levels; • water quality; • country foods consumption; and • services (e.g., water supply, waste disposal).	15.5.3.2 15.7.1 15.7.2 18.5.3.1 18.5.3.2 18.5.3.3 18.5.3.4	18-A 18-B	
AIR0392	8.1.1	Human Health	The Application will summarize each of the parameters above from a human health perspective, including comparison to relevant guidelines (e.g, drinking water guidelines). Data will be derived from baseline environmental studies as summarized in Section 5, as well as land use surveys (Section 7) and traditional ecological or community knowledge, where available.	15.5.3.2 15.7.1 15.7.2 18.5.3.1 18.5.3.2 18.5.3.3 18.5.3.4	18-A 18-B	
AIR0393	8.1.1	Human Health	The Application will include a description of relevant legislation, and applicable provincial guidelines, best management practices, and guidance documents (e.g., Health Canada, 2010).	Table 18.2-1 18.2.1 18.2.2 18.2.3 18.2.4		
AIR0394	8.1.2	Human Health	the Application will summarize the Human Health VC(s). The preliminary human health VCs include: • drinking water; • air quality; • noise; and • country foods (plant/animals locally harvested/hunted and consumed).	18.6.1		
AIR0395	8.1.3	Human Health	The Application will identify and describe the rationale for the spatial boundaries for the assessment of health effects. The human health assessment will be derived from baseline environmental studies as summarized in Section 5, as well as land use surveys (Section 7) and traditional ecological or community knowledge, where available.	18.6.2.1 Figure 18.6-1 Figure 18.6-2 Figure 18.6-3 Figure 18.6-4		
AIR0396	8.1.4	Human Health	The Application will identify and describe the rationale for the temporal boundaries for the assessment of health effects.	18.6.2.2		
AIR0397	8.1.5	Human Health	The Application will describe the analysis methodology and standards used to determine the effects of the proposed Project on human health VCs.	18.2 18.7.1 18.7.3 18.7.5 18.7.7 18.8.1.1 18.8.2.1 18.8.3.1 18.8.4		

TABLE OF CONCORDANCE - APPLICATION INFORMATION REQUIREMENTS (AIR)

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0398	8.1.5	Human Health	Public health and safety risks to the general population and to First Nations groups will be discussed as part of the health impact assessment.	18.1 18.3.3 18.6.1 18.6.2.4		
AIR0399	8.1.5	Human Health	The assessment will not focus on on-site worker health/safety; it will be predicated on the fact that the mine is operated safely in accordance with the Health Safety and Reclamation Code, and other relevant legislation/regulations. However, the presence of workers from other adjacent infrastructure and activities (e.g., oil and gas wells, forestry, pipelines, turbines) will be considered as potential receptors to be assessed.	18.1 18.6.1.1 18.6.2.4 18.7.3 18.7.7		
AIR0400	8.1.5	Human Health	The human health section will examine the potential for the proposed Project to cause increased exposure to health hazards (e.g., noise, air quality, drinking water quality). These will be reported in this section of the Application from a human health perspective.	18.7.1 18.7.3 18.7.5 18.7.7		
AIR0401	8.1.5	Human Health	The human health risk assessment will include the analysis of potential effects from contamination of country foods, potable water and air emissions, as well as other representative potential exposure pathways identified.	18.8.1.2 18.8.2.2 18.8.3.2 18.8.3.3	18-D 18-E	
AIR0402	8.1.5	Human Health	The Application will include noise modelling to identify potential effects from increased noise levels during the construction and operation phases, including assessment of point and mobile sources of noise, and tonal and impulsive noise. The Application will describe the analysis methodology and standards used to determine the effects of the proposed Project on noise.	18.8.4.1 18.8.4.2 18.8.4.3	18-C	
AIR0403	8.1.5	Human Health	Information provided by the environmental effects assessments (Section 5) will be consulted to determine which metals may potentially affect air, soil, country foods, or water. If a metal is predicted to potentially affect the environment, then it would be included in a conservative contaminant of potential concern screening procedure.	18.8.1.2 18.8.2.2 18.8.3.2 18.8.3.3 18.8.5	18-D 18-E	
AIR0404	8.1.6	Human Health	The Application will identify, assess and discuss and the significance of residual effects of the proposed Project. The assessment will consider magnitude, geographic extent, duration and frequency, reversibility, context, probability, and confidence	18.9 18.10		
AIR0405	8.1.7	Human Health	the Application will identify past, present and future projects and activities that may impact the Human Health VC(s) and could contribute to the assessment of cumulative effects.	18.11		
AIR0406	8.1.7	Human Health	For all identified residual effects, the Application will identify and assess potential cumulative effects in the context of past, present and future projects and activities that may impact the VC.	18.11		
AIR0407	8.1.7	Human Health	For any identified cumulative effects, corresponding proposed mitigation measures will be described and relevant regional management plans (including provincial regional management plan strategies) will be referenced. Residual cumulative effects will be described and their significance will be assessed.	18.11		
AIR0408	8.1.8	Human Health	Based on the analysis provided in the Application, a conclusion will be provided regarding potential residual effects of the proposed Project or potential residual cumulative effects and their significance.	18.12		
AIR0409	8.2	Human Health	The Application will summarize potential residual health effects of the proposed Project and their significance using the table format presented in Table 8.2-1 in AIR	18.9 18.10		

TABLE OF CONCORDANCE - APPLICATION INFORMATION REQUIREMENTS (AIR)

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0410	9.1.1	Heritage Effect	The Application will: • describe the archaeological studies that have been undertaken to support the proposed Project, including Archaeological Overview Assessment and Archaeological Impact Assessment(s). • describe the distribution and density of known cultural materials and deposits within the proposed Project footprint, making use of traditional ecological or community knowledge, where available; • identify provincially registered heritage resources within the proposed Project footprint; and • describe the methods used to undertake the archaeological baseline program.	19.5	19-A	
AIR0411	9.1.1	Heritage Effect	It is noted that archaeological resources are protected under the <i>Heritage Conservation Act</i> , and receive special consideration under Freedom of Information and Protection of Privacy legislation in order to prevent vandalism and other unauthorised alterations. The Application will present archaeological information in a manner that is consistent with these requirements.	19.5	19-A	
AIR0412	9.1.1	Heritage Effect	The Application will include a description of relevant legislation, and applicable provincial guidelines, best management practices, and guidance documents.	19.2 24.14		
AIR0413	9.1.2	Heritage Effect	The Application will summarize the Archaeology and Heritage VC(s). The preliminary VC is 'Archaeological and Heritage Sites', based on analysis of previously recorded sites, and an assessment of the risk of encountering new sites as a result of project development.	19.6.1		
AIR0414	9.1.3	Heritage Effect	The Application will identify and describe the rationale for the spatial boundaries for each VC. The spatial boundaries for archaeological assessment are driven by the specific mine infrastructure footprint, and the potential for archaeological resources to be uncovered as a result of project activity. Regional context and the locations of existing known archaeological sites will be used to characterize the risk of new sites being identified within the proposed mine infrastructure footprint.	19.6.2		
AIR0415	9.1.4	Heritage Effect	The Application will identify and describe the rationale for the temporal boundaries for each VC.	19.6.2		
AIR0416	9.1.5	Heritage Effect	The Application will describe the analysis methodology and standards used to determine the effects of the proposed Project on archaeology and heritage resources (Archaeology Branch 1998).	19.7		
AIR0417	9.1.5	Heritage Effect	The Application will assess potential effects on archaeological and heritage resources and consider all of the requirements of the BC Heritage Conservation Act R.S.B.C. 1996, c.187.	19.7		
AIR0418	9.1.5	Heritage Effect	The Application will identify measures to mitigate potential effects on archaeological and heritage resources. The Application will identify mitigation measures for any sites identified during the assessment where impacts cannot be avoided.	19.7		
AIR0419	9.1.6	Heritage Effect	The Application will identify, assess and discuss and the significance of residual effects of the proposed Project. The assessment will consider magnitude, geographic extent, duration and frequency, reversibility, context, probability, and confidence	19.8		
AIR0420	9.1.7	Heritage Effect	The Application will identify past, present and future projects and activities that may impact the Archaeology and Heritage VC(s) and could contribute to the assessment of cumulative effects.	19.9		
AIR0421	9.1.7	Heritage Effect	For all identified residual effects, the Application will identify and assess potential cumulative effects in the context of past, present and future projects and activities that may impact the VC.	19.9		
AIR0422	9.1.7	Heritage Effect	For any identified cumulative effects, corresponding proposed mitigation measures will be described and relevant regional management plans (including provincial regional management plan strategies) will be referenced. Residual cumulative effects will be described and their significance will be assessed.	19.9		
AIR0423	9.1.8	Heritage Effect	Based on the analysis provided in the Application, a conclusion will be provided regarding potential residual effects of the proposed Project or potential residual cumulative effects and their significance.	19.10		
AIR0424	9.2	Heritage Effect	The Application will summarize potential residual heritage effects of the proposed Project and their significance using the table format presented in Table 9.2-1 in AIR	19.8		

TABLE OF CONCORDANCE - APPLICATION INFORMATION REQUIREMENTS (AIR)

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0425	10	Accidents or Malfunctions	The Application will identify the probability and potential magnitude of accidents and/or malfunctions associated with all Project facilities and activities by Project phase. The assessment will: describe the method (e.g., Failure Modes Effects Assessment) for assessing the potential for, or likelihood of, failure of structures, equipment or processes; describe the circumstances under which these events could occur; describe the consequences and/or effects of such failures; identify mitigation/controls that are incorporated into the proposed Project design to reduce the risk; and identify contingency plans and response options to address residual risks.	22.3 22.4 22.9.1 22.16		
AIR0426	10	Accidents or Malfunctions	Potential effects that will be assessed include, but are not limited to: Contamination due to construction equipment fuel or hydrocarbon spills (e.g., during refuelling operations); Spills of hazardous substances stored on site (reagents, fuels, contained liquid waste); Unintended leakage from containment ponds; Failure of the coarse coal rejects pile; Pipeline leakage or failure; Accidental discharge of off-specification effluent from treatment plants; Power outages; Fires or explosions that could potentially be caused during construction or operation; Motor vehicle accidents involving construction, maintenance, or transport crews and any resulting contaminant spills; and Sediment releases into watercourses.	22.3.1 22.4 to 22.17		
AIR0427	10	Accidents or Malfunctions	The health and safety of mine employees will be addressed throughout the Application with appropriate reference to the HSRC and other legislation/regulations.	22.6.1 22.8.3 22.9.1		
AIR0428	11	Effects of the Environment on the Project	The Application will identify environmental factors deemed to have possible consequences on the proposed project, and identify any changes or effects on the proposed Project that may be caused by external environmental factors. It will include an assessment of likelihood and severity of the changes or effects, as well as a discussion of mitigation measures, including design strategies, planned to avoid or minimize the likelihood and severity the changes or effects.	23.1 23.2 23.3		
AIR0429	11	Effects of the Environment on the Project	Environmental factors that will be assessed include, but are not limited to: • extreme weather events (lightning, heavy precipitation, extreme temperatures, flooding, drought and wind); • natural seismic events and associated effects such as liquefaction or subsidence; • fire; and • slope stability and mass wasting events (e.g., debris flows/torrents; rock fall; snow avalanche).	23.1 23.2		
AIR0430	12	Background Information	The Application will: • identify the First Nations groups that could be potentially affected by the proposed Project;	20.3	17-A	
AIR0431	12	Background Information	The Application will: • provide a map identifying the First Nations groups and their traditional territories;	20.3	17-A	
AIR0432	12	Background Information	The Application will: • describe each of the potentially affected First Nations groups, including but not limited to ethnography, language, land use setting and planning, governance, economy, and reserves.	20.3	17-A	

TABLE OF CONCORDANCE - APPLICATION INFORMATION REQUIREMENTS (AIR)

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0433	13	Treaty Rights	The Application will: • identify past, present, and anticipated future uses of the proposed Project area by First Nations groups;	17.4 20.5.2.7 20.6.2.7 20.7.2.7 20.8.2.7 20.9.2.7 20.10.2.7 20.11.2.7 20.12.2.7 20.13.2.7 20.14.2.7 20.15.2.7 20.16.2.7	17-A	
AIR0434	13	Treaty Rights	The Application will: • identify specific treaty rights, and values/beliefs regarding treaty rights, identified by First Nations groups or from other sources;	20.5.6.2 20.6.6.2 20.7.6.2 20.8.6.2 20.9.6.2 20.10.6.2 20.11.6.2 20.12.6.2 20.13.6.2 20.14.6.2 20.15.6.2 20.16.6.2	17-A	
AIR0435	13	Treaty Rights	The Application will: • identify potential effects of the proposed Project on treaty rights;	20.5.4 20.6.4 20.7.4 20.8.4 20.9.4 20.10.4 20.11.4 20.12.4 20.13.4 20.14.4 20.15.4 20.16.4		

TABLE OF CONCORDANCE - APPLICATION INFORMATION REQUIREMENTS (AIR)

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0436	13	Treaty Rights	The Application will: • describe mitigation measures to avoid or reduce impacts on treaty rights.	20.5.4 20.6.4 20.7.4 20.8.4 20.9.4 20.10.4 20.11.4 20.12.4 20.13.4 20.14.4 20.15.4 20.16.4		
AIR0437	14	Other First Nations Interests	The Application will: • identify First Nations interests with respect to potential environmental, economic, social, heritage, and health effects of the proposed Project;	2.4.4 14.6.1 15.6.1 18.6.1 19.6.1		
AIR0438	14	Other First Nations Interests	The Application will: • describe how these interests have been addressed.	2.4.4	2-E	
AIR0439	15	First Nations Consultation	The Application will: • summarize consultations undertaken with First Nations groups during the pre-application stage and identify consultations planned during the Application stage;	2.4 20.5.1 20.6.1 20.7.1 20.8.1 20.9.1 20.10.1 20.11.1 20.12.1 20.13.1 20.14.1 20.15.1 20.16.1	2-D 2-E	
AIR0440	15	First Nations Consultation	The Application will: • identify the issues and concerns raised by First Nations groups during the pre-application stage and the responses to these issues.	20.5.1 20.6.1 20.7.1 20.8.1 20.9.1 20.10.1 20.11.1 20.12.1 20.13.1 20.14.1 20.15.1 20.16.1	2-E	
AIR0441	16	Summary	The Application will identify accommodation measures, including project design considerations, mitigation measures, and specific commitments which address potential effects on the matters identified in Sections 10 to 13 of the AIR, and provided in the form of Table 16-1 in AIR	20.10		

TABLE OF CONCORDANCE - APPLICATION INFORMATION REQUIREMENTS (AIR)

ID		Section	Requirement	Application/ Application/ EIS Section EIS Appendix	Comments
AIR0442	17	Environmental Management and Monitoring Plans	The Application will include a detailed description of the environmental management and monitoring plans required for all phases of the proposed Project including construction, operations, closure and post closure. The management and monitoring plans will be developed in a manner consistent with the EMS.	24.1 to 24.19	
AIR0443	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • air quality and dust control;	24.2	
AIR0444	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • methane liberation;	24.2	
AIR0445	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • noise;	24.3	
AIR0446	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • site preparation and soil salvage;	24.4	
AIR0447	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • erosion and sediment control;	24.5	
AIR0448	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • water;	24.6	
AIR0449	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • raw and processed coal stockpiling and handling;	24.7	
AIR0450	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • coarse and fine coal rejects;	24.7	
AIR0451	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • metal leaching and acid rock drainage;	24.7	
AIR0452	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • flocculent;	24.8	
AIR0453	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • explosives and nitrogen;	24.9	
AIR0454	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • selenium;	24.10	
AIR0455	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • fish habitat compensation;	not required	

TABLE OF CONCORDANCE - APPLICATION INFORMATION REQUIREMENTS (AIR)

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0456	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • invasive plants;	24.11		
AIR0457	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • wildlife;	3.9.4 24.12		
AIR0458	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • waste management (including hazardous materials/waste, construction waste, sewage);	24.13		
AIR0459	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • archaeological resources;	24.14		
AIR0460	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • subsidence;	24.15		
AIR0461	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • recruitment, training and employment;	24.16		
AIR0462	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • site access;	24.17		
AIR0463	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • snow management;	24.6		
AIR0464	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • spill response;	24.18		
AIR0465	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • emergency response;	24.19		
AIR0466	17	Environmental Management and Monitoring Plans	It is anticipated that environmental management and effects monitoring plans may be required in the following areas: • reclamation and closure.	3.9 3.10 3.11		
AIR0467	18	Compliance Reporting	The Application will identify the reporting structures and timelines for the various environmental management plans, and commitments made for the proposed Project.	25		
AIR0468	19	Summary of Residual Effects	The Application will provide a summary of potential residual and residual cumulative environmental, economic, social, heritage, or health effects that cannot be avoided or mitigated through the re-design or relocation of the proposed Project or through Proponent commitments. The summary will reference mitigation measures that were taken into account in the assessment of effects and will present the conclusions of the evaluation of significance for residual effects. This information will be presented in a table form (see Tables 19-1 and 19-2 in AIR).	26.4		
AIR0469	20	Summary of Mitigation Measures	The Application will summarize The Proponent's commitments to minimize the potential for the proposed Project to have environmental, economic, social, heritage, or health effects. This information will be presented in a table (see Table 20-1 in AIR).	26.4		

TABLE OF CONCORDANCE - APPLICATION INFORMATION REQUIREMENTS (AIR)

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
AIR0470	21	Conclusion	The Application will: • summarize the Proponent's understanding of the BC EA process in promoting sustainable development, while minimizing adverse environmental, economic, social, heritage, and health effects;	1.2.3 26		
AIR0471	21	Conclusion	The Application will: • describe how the proposed Project aligns with the goal of the BC EA process and the CEAA process;	1.1.2 1.2.3 26		
AIR0472	21	Conclusion	The Application will: • explicitly request an EA Certificate for the proposed Project and identify subsequent permitting/authorization approvals required for construction, operation, reclamation and closure of the proposed Project.	26.1		
AIR0473		Appendices	The Application will include appendices containing copies of documents such as baseline study reports, technical reports prepared in support of the Application, and tables outlining issues raised by government agencies, First Nations groups, local governments and the public during the pre-application stage and responses to the issues.		2-[A to H] 3-[A to H] 6-[A to C] 7-[A to B] 8-[A to I] 9-[A to B] 10-[A to F] 11-[A to F] 12-[A to B] 13-[A to C] 14-[A to B] 16-[A to C] 17-[A to B] 18-[A to E] 19-A	
AIR0474		References	The Application will provide a list of references used in developing the Application	1 to 26 (Included at end of each chapter)		Included at end of each chapter

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0001	2.2	Public Consultation	The proponent is required to provide current information about the project to the public and especially to the communities likely to be most affected by the project.	General requirement; no specific reference		
EIS0002	2.3	Aboriginal Consultation	One of the purposes of CEAA, 2012 is to promote communication and cooperation with Aboriginal peoples, including First Nations, Inuit and Métis. To work toward this goal, the proponent will ensure that it engages with Aboriginal people and groups that may be affected by the project or that have potential or established Aboriginal and Treaty rights and related interests in the project area, as early as possible in the project planning process. The proponent is strongly encouraged to work with Aboriginal groups in establishing an engagement approach. In addition, the Aboriginal persons involved will have access to relevant information that allows them to understand the proposed project and to determine its impacts on their rights and interests. The proponent will make reasonable efforts to integrate "traditional Aboriginal knowledge" that will contribute to the assessment of environmental impacts.	General requirement; no specific reference		
EIS0003	3.1	Agency Guideline	The proponent is expected to respect the intent of the EIS Guidelines and to consider the effects that are likely to arise from the project (including situations not explicitly identified in these guidelines), the technically and economically feasible mitigation measures that will be applied, and the significance of any residual effects. It is possible that the EIS Guidelines may include matters that, in the judgement of the proponent, are not relevant or significant to the project. If such matters are omitted from the EIS, the proponent will clearly indicate it and provide a justification for their conclusion so that the Agency, federal authorities, Aboriginal groups, the public and any other interested party have an opportunity to comment on this decision. Where the Agency disagrees with the proponent's decision, it may require the proponent to provide the specified information.	General requirement; no specific reference		
EIS0004	3.2	Study Strategy and Methodology	In describing methods, the proponent will document how it used scientific, engineering, traditional and local knowledge to reach its conclusions. Assumptions will be clearly identified and justified. All data, models and studies will be documented such that the analyses are transparent and reproducible. All data collection methods will be specified. The uncertainty, reliability and sensitivity of models used to reach conclusions must be indicated. All significant gaps in knowledge and understanding related to key conclusions presented in the EIS must be identified. The steps to be taken by the proponent to address these gaps will also be identified. Where the conclusions drawn from scientific and technical knowledge are inconsistent with the conclusions drawn from traditional knowledge, the EIS will contain a balanced presentation of the issues and a statement of the proponent's conclusions.	General requirement; no specific reference		
EIS0005	3.3	Integration of EA, Aboriginal and Public Consultation Information	In preparing the EIS, the proponent is encouraged to integrate Aboriginal and public consultation outcomes into the consideration and mitigation of environmental effects at the appropriate EA analytical steps	2 5.6 [6 to 19].6		
EIS0006	3.3	Integration of EA, Aboriginal and Public Consultation Information	The proponent will ensure that public and Aboriginal concerns are well documented in the EIS. The proponent will identify and explain all unresolved questions or concerns as part of its analysis of the impacts of the project. This information will help the Crown assess adequacy of consultation with Aboriginal groups, as set out in the Updated Guidelines for Federal Officials to Fulfil the Duty to Consult (2011)	2		
EIS0007	3.4.2	Community Knowledge and Aboriginal Tradtional Knowledge	The proponent will incorporate into the EIS the community and Aboriginal traditional knowledge to which it has access or that is acquired through Aboriginal engagement activities, in keeping with appropriate ethical standards and without breaking obligations of confidentiality, if any. Agreement should be obtained from Aboriginal groups regarding the use, management and protection of their existing traditional knowledge information during and after the EA.	17 20	17-A 17-B	
EIS0008	3.4.3	Existing Information	In preparing the EIS, the proponent is encouraged to make use of existing information relevant to the project. However, when relying on existing information to meet requirements of the EIS Guidelines, the proponent will either include the information directly in the EIS or clearly direct the reader to where it may obtain the information (i.e., through cross-referencing). When relying on existing information, the proponent will also comment on how the data have been applied to the project, clearly separate factual lines of evidence from inference, and state any limitations on the inferences or conclusions that can be drawn from the existing information.	General requirement; no specific reference		

TABLE OF CONCORDANCE - EIS GUIDELINES

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0009	3.4.4	Confidential Information	 EIS will not contain: Information that is sensitive or confidential (e.g. financial, commercial, scientific, technical, personal, cultural or other nature), that is treated consistently as confidential, and the person affected has not consented to the disclosure; or Information that may cause harm to a person or harm to the environment through its disclosure. The proponent will consult with the Agency regarding whether specific information requested by these guidelines will be treated as confidential. 	General requirement; no specific reference		
EIS0010	3.5	Presentation and Organization of the EIS	To facilitate the identification of the documents submitted and their placement in the Canadian Environmental Assessment Registry, the title page of the EIS and its related documents will contain the following information: • Project name and location; • Title of the document, including the term "environmental impact statement"; • Subtitle of the document; • Name of the proponent; and • The date.	Title Page		
EIS0011	3.5	Presentation and Organization of the EIS	The EIS will be written in clear, precise language. A glossary defining technical words, acronyms and abbreviations will be included.	Glossary and Acronyms		
EIS0012	3.5	Presentation and Organization of the EIS	The proponent will provide charts, diagrams, tables, maps and photographs, where appropriate, to clarify the text. Perspective drawings that clearly convey the various components of the project will also be provided. Wherever possible, maps will be presented in common scales and datum to allow for comparison and overlay of mapped features.	General requirement; no specific reference		
EIS0013	3.5	Presentation and Organization of the EIS	For purposes of brevity and to avoid repetition, cross-referencing is preferred. The EIS may make reference to the information that has already been presented in other sections of the document, rather than repeating it. The exception to this preference is the cumulative effects assessment, which should be provided in a stand-alone section as described in section 12.1.2. Detailed studies (including all relevant and supporting data and methodologies) will be provided in separate appendices and will be referenced by appendix, section and page in the text of the main document of the EIS.	21		
EIS0014	3.5	Presentation and Organization of the EIS	The EIS will explain how information is organized in the document. This will include a list of all tables, figures, and photographs referenced in the text of the EIS. A complete list of supporting literature and references will also be provided.	Table of Contents References at end of chapters		
EIS0015	3.5	Presentation and Organization of the EIS	A Table of Concordance, which cross references the information presented in the EIS with the information requirements identified in the EIS Guidelines, will be provided.	Table of Concordance		
EIS0016	3.5	Presentation and Organization of the EIS	The proponent will provide copies of the EIS and its summary for distribution, including paper and electronic version in an unlocked, searchable PDF format, as directed by the Agency.	General requirement; no specific reference		
EIS0017	4	Summary of Environmental Impact Statement	 The proponent will prepare a summary of the EIS in both of Canada's official languages (French and English) to be provided to the Agency at the same time as the EIS and which will include the following: A concise description of all key components of the project and related activities; A summary of the consultation conducted with Aboriginal groups, the public, and government agencies, including a summary of the issues raised and the proponent's responses; An overview of the key environmental effects of the project and proposed technically and economically feasible mitigation measures; and The proponent's conclusions on the residual environmental effects of the project and the significance of adverse environmental effects after taking mitigation measures into account. 	ExS		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0018	4	Summary of Environmental Impact Statement	The summary is to be provided as a separate document and should follow the outline provided below: 1. Introduction and environmental assessment context 2. Project overview 3. Scope of project and assessment 4. Alternative means of carrying out the project 5. Public and Aboriginal engagement 6. Summary of environmental effects assessment 7. Mitigation measures 8. Proposed significance determination The summary will have a sufficient level of detail for the reader to learn and understand the entire project, potential impacts, mitigation measures proposed by the proponent, the residual effects and the conclusions regarding significance.	ExS		
EIS0019	5.1	Geographical Setting	The EIS will contain a concise description of the geographical setting in which the project will take place. This description will focus on those aspects of the project and its setting that are important in order to understand the potential environmental effects of the project. The description will address the natural and human elements of the environment as well as explain the interrelationships between the biophysical environment and people and communities. The following information will be included: The UTM coordinates of the main project site; Current land use in the area and the relationship of the project facilities and components with any federal lands; The environmental significance and value of the geographical setting in which the project will take place and the surrounding area; Environmentally sensitive areas, such as national, provincial and regional parks, ecological reserves, wetlands, estuaries, and habitats of federally or provincially listed species at risk and other sensitive areas; Local and Aboriginal communities; and Traditional Aboriginal territories, treaty lands, Indian reserve lands. The EIS will provide an expanded description and mapping of the project location, including each of the project components as outlined in section 5.6 of the EIS Guidelines	1.3 1.5 16.5.3	16-A	
EIS0020	5.1	Geographical Setting	Maps of the project's location at an appropriate scale will accompany the text. The location map should include the boundaries of the proposed site including UTM coordinates, the major existing infrastructure, adjacent land uses and any important environmental features. In addition, site plans/sketches and photographs showing project location, site features and the intended location of project components will be included.	Figure 1.3-1 Figure 1.4-1 Figure 1.5-1 Figure 1.5-2 Figure 1.5-3		
EIS0021	5.2	Regulatory Framework and the Role of Government	To understand the context of the EA, this section will identify, for each jurisdiction, the government bodies involved in the EA as well as the EA processes. More specifically identify:- Any federal power duty or function to be exercised that may permit the carrying out (in whole or in part) of the project or associated activities;- The environmental and other specific regulatory approvals and legislation that are applicable to the project at the federal, provincial, regional and municipal levels;- Government policies, resource management, planning or study initiatives pertinent to the project and/or EA and discuss their implications;- Any treaty or self-government agreements with Aboriginal groups that are pertinent to the project and/or EA;- Any relevant Land Use Plans, Land Zoning, or Community Plans; and- A summary of the regional, provincial and/or national objectives, standards or guidelines that have been used by the proponent to assist in the evaluation of any predicted environmental effects. Submission of regulatory and technical information necessary for federal authorities to make their regulatory decisions during the conduct of the environmental assessment is at the discretion of the proponent. Although that information is not necessary for the EA decision, the proponent is strongly encouraged to submit it concurrent with the EIS.	1.816.2	16-A	
EIS0022	5.3	Participants in the Environmental Assessment	Clearly identify the main participants in the EA including jurisdictions other than the federal government, Aboriginal groups, community groups, and environmental organizations.	1.8.2.3		

TABLE OF CONCORDANCE - EIS GUIDELINES

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0023	5.4	The Proponent	The proponent will: Provide contact information (e.g. name, address, phone, fax, email); Identify itself and the name of the legal entity that would develop, manage and operate the project; Explain corporate and management structures, as well as insurance and liability management related to the project; Specify the mechanism used to ensure that corporate policies will be implemented and respected for the project; Summarize key elements of its environment, health and safety management system and discuss how the system will be integrated into the project; and Identify key personnel, contractors, and/or sub-contractors responsible for preparing the EIS.	1.2 24.1.1		
EIS0024	5.5	Purpose of the Project	The proponent will describe the purpose of the project by providing the rationale for the project, explaining the background, the problems or opportunities that project is intended to satisfy and the stated objectives from the perspective of the proponent. If the objectives of the project are related to, or contribute to broader private or public sector policies, plans or programs, this information will also be included.	1.4 1.6		
EIS0025	5.6	Project Components	The proponent will describe the project, by presenting the project components, associated and ancillary works, activities, scheduling details, the timing of each phase of the project and other characteristics that will assist in understanding the environmental effects. This will include: • A characterization of geochemical properties of mine materials, waste rock, foundation materials and coarse coal rejects storage foundation materials; In cases where the geotechnical design is based on the observational method, the general nature and geotechnical properties of geological materials will be provided.	3.5	3-B 3-E	
EIS0026	5.6	Project Components	The proponent will describe the project, by presenting the project components, associated and ancillary works, activities, scheduling details, the timing of each phase of the project and other characteristics that will assist in understanding the environmental effects. This will include: • A description of the geology, based on results from drilling, test pits and sampling programs; In cases where the geotechnical design is based on the observational method, the general nature and geotechnical properties of geological materials will be provided.	3.3	3-A 3-E	
EIS0027	5.6	Project Components	 The proponent will describe the project, by presenting the project components, associated and ancillary works, activities, scheduling details, the timing of each phase of the project and other characteristics that will assist in understanding the environmental effects. This will include: A description of the coal preparation facility (including its location and preliminary design) and coal segregation processes, including coarse coal rejects material storage and management (geotechnical properties and foundation conditions, location, preliminary designs, and water seepage); In cases where the geotechnical design is based on the observational method, the general nature and geotechnical properties of geological materials will be provided. 	3.6.3		
EIS0028	5.6	Project Components	 The proponent will describe the project, by presenting the project components, associated and ancillary works, activities, scheduling details, the timing of each phase of the project and other characteristics that will assist in understanding the environmental effects. This will include: A description of the waste rock and overburden storage and stock piles (locations, volumes and development plans; geotechnical conditions, seismicity and design criteria and a description of waste water management components of the project); In cases where the geotechnical design is based on the observational method, the general nature and geotechnical properties of geological materials will be provided. 	3.6.3	3-A 3-B 3-C 3-E 3-G	
EIS0029	5.6	Project Components	 The proponent will describe the project, by presenting the project components, associated and ancillary works, activities, scheduling details, the timing of each phase of the project and other characteristics that will assist in understanding the environmental effects. This will include: A description of the underground mine (development plans including longwall mine phases, and phase designs including design standards, geotechnical and hydrogeological considerations); In cases where the geotechnical design is based on the observational method, the general nature and geotechnical properties of geological materials will be provided. 	3.6.2	3-A 3-B 3-C 3-E 3-G 3-H	

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0030	5.6	Project Components	The proponent will describe the project, by presenting the project components, associated and ancillary works, activities, scheduling details, the timing of each phase of the project and other characteristics that will assist in understanding the environmental effects. This will include:- A description of water management (e.g. groundwater extraction and distribution facilities and underground mine water);In cases where the geotechnical design is based on the observational method, the general nature and geotechnical properties of geological materials will be provided.	3.6		
EIS0031	5.6	Project Components	 The proponent will describe the project, by presenting the project components, associated and ancillary works, activities, scheduling details, the timing of each phase of the project and other characteristics that will assist in understanding the environmental effects. This will include: A description of permanent and temporary access infrastructure, identifying the route of each access road, the location and types of structure used for stream crossings; the natural gas pipeline connecting to existing infrastructure; the transmission line and the rail load-out. In cases where the geotechnical design is based on the observational method, the general nature and geotechnical properties of geological materials will be provided. 	3.6.3		
EIS0032	5.7	Project Activities	The EIS will include expanded descriptions of the construction, operation, maintenance, foreseeable modifications, and where relevant, closure, decommissioning and restoration of sites and facilities associated with the proposed project. This would include detailed descriptions of the activities to be carried out during each phase, the location of each activity, expected outputs and an indication of the activity's magnitude and scale.	3.6 3.7 3.8 3.9 3.10		
EIS0033	5.7	Project Activities	Although a complete list of project activities is required, the emphasis will be on activities with the greatest potential to have environmental effects. Sufficient information will be included to predict environmental effects and address public concerns identified. Highlight activities that involve periods of increased environmental disturbance or the release of materials into the environment.	3.6 3.7 3.8 3.9 3.10		
EIS0034	5.7	Project Activities	The EIS will include a detailed schedule including time of year, frequency, and duration for all project activities.	3.7.1 3.8.1		
EIS0035	5.7	Project Activities	The EIS will provide the preliminary outline of a decommissioning and reclamation plan for any components associated with the project. This will include ownership, transfer and control of the different project components as well as the responsibility for monitoring and maintaining the integrity of some of the structures. The plan would serve to provide guidance on specific actions and activities to be implemented to decrease the potential for environmental degradation in the long-term during decommissioning and abandonment activities for temporary facilities, and to clearly define the proponent's ongoing environmental commitments. A conceptual discussion on how decommissioning could occur will be provided for permanent facilities.	3.9 3.10 3.11		
EIS0036	7.1.1	Valued Components	The proponent will identify the VCs deemed appropriate to ensure the full consideration of the factors listed in subsection 19(1) of CEAA, 2012 as well as the 2012 amendment to section 79 of the Species at Risk Act. As a minimum, the proponent must consider the list of environmental components provided in section 9.1 of the EIS Guidelines. The final list of VCs to be presented in the EIS will be completed according to the evolution and design of the project and reflect the knowledge acquired on the environment through public and Aboriginal consultations.	[5 to 16].6.1 17.5.1 18.6.1 19.6.1		
EIS0037	7.1.1	Valued Components	The proponent will describe how the VCs were selected and what methods were used to predict and assess the adverse environmental effects of the project on these components.	[5 to 16].6.1 17.5.1 18.6.1 19.6.1		
EIS0038	7.1.1	Valued Components	The VCs will be described in sufficient detail to allow the reviewer to understand their importance and assess the potential for environmental effects arising from the project activities.	[5 to 16].6.1 [5 to 16].6.3 17.5.1 and 17.5.3 18.6.1 and 18.6.3 19.6.1 and 19.6.3		

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0039	7.1.1	Valued Components	The rationale for selecting these components as VCs and for excluding others will be stated. Challenges may arise regarding particular exclusions, so it is important to document the information and the criteria used to make each determination. Examples of justification include primary data collection, computer modelling, literature references, public consultation, expert input or professional judgement. If comments are received on a component that has not been included as a VC, these comments will be summarised and addressed in this section.	[5 to 16].6.1 17.5.1 18.6.1 19.6.1		
EIS0040	7.1.1	Valued Components	For consultations associated with the identification of VCs, the proponent will identify those VCs, processes, and interactions that either were identified to be of concern during any workshops or meetings held by the proponent or that the proponent considers likely to be affected by the project. In doing so, the proponent will indicate to whom these concerns are important and the reasons why, including Aboriginal, social, economic, recreational, and aesthetic considerations.	[5 to 16].6.1 17.5.1 18.6.1 19.6.1		
EIS0041	7.1.1	Valued Components	The proponent will describe any issues raised or comments noted regarding the nature and sensitivity of the area within and surrounding the project and any planned or existing land and water use in the area. The proponent will also indicate the specific geographical areas or ecosystems that are of particular concern to interested parties, and their relation to the broader regional environment and economy.	[5 to 16].6.1 17.5.1 18.6.1 19.6.1		
EIS0042	7.1.2	Effects of Potential Accidents or Malfunctions	The proponent will identify the probability of potential accidents and malfunctions related to the project, including an explanation of how those events were identified, potential consequences (including the environmental effects), the plausible worst case scenarios and the effects of these scenarios.	22.3 to 22.17		
EIS0043	7.1.2	Effects of Potential Accidents or Malfunctions	The geographical and temporal boundaries for the assessment of accidents and malfunctions may be different than those in the scope of factors for each VC. This will include an identification of the magnitude of an accident and/or malfunction, including the quantity, mechanism, rate, form and characteristics of the contaminants and other materials likely to be released into the environment during the accident and malfunction events.	22.3 to 22.17		
EIS0044	7.1.2	Effects of Potential Accidents or Malfunctions	The EIS will also describe the safeguards that have been established to protect against such occurrences and the contingency/emergency response procedures in place if accidents and/or malfunctions do occur. Detailed contingency and response plans will be presented.	22.3 to 22.17		
EIS0045	7.1.3	Effects of the Environment on the Project	The EIS will take into account how local conditions and natural hazards, such as severe and/or extreme weather conditions and external events (e.g. flooding, drought, ice jams, landslides, avalanches, erosion, subsidence, fire, outflow conditions and seismic events) could adversely affect the project and how this in turn could result in impacts to the environment (e.g. extreme environmental conditions result in malfunctions and accidental events). These events will be considered in different probability patterns (e.g. 5-year flood vs. 100-year flood). Longer-term effects of climate change will also be discussed up to the projected post-closure phase of the project. This discussion will include a description of climate data used. The EIS will provide details of a number of planning, design and construction strategies intended to minimize the potential environmental effects of the environment on the project.	23.1 23.2 23.3		
EIS0046	7.2.1	Spatial Boundaries	The EIS will clearly indicate the spatial boundaries to be used in assessing the potential adverse environmental effects of the proposed project and provide a rationale for each boundary. It is recognized that the spatial boundaries for each VC may not be the same. Spatial boundaries will be defined taking into account as applicable the appropriate scale and spatial extent of potential environmental effects, community and Aboriginal traditional knowledge, current land and resource use by Aboriginal groups, ecological, technical, social and cultural considerations. The description of the project setting will be presented in sufficient detail to address the relevant environmental effects of the project.	[5 to 16].6.2.1 17.5.2.1 18.6.2.1 19.6.2.1		
EIS0047	7.2.2	Temporal Boundaries	The temporal boundaries of the EA will span all phases of the project: construction, operation, maintenance, foreseeable modifications, and where relevant, closure, decommissioning and restoration of the sites affected by the project. Temporal boundaries will also consider variations related to VCs for all phases of the project, where appropriate. Community and Aboriginal traditional knowledge should factor into decisions around appropriate temporal boundaries. If the temporal boundaries do not span all phases of the project, the EIS will identify the boundaries used and provide a rationale.	[5 to 16].6.2.2 17.5.2.2 18.6.2.2 19.6.2.2		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0048	8	Alternative Means of Carrying out the Project	The EIS will identify and consider the effects of alternative means of carrying out the project that are technically and economically feasible. The proponent will complete the following procedural steps for addressing alternative means: Identify the alternative means to carry out the project. Develop criteria to determine the technical and economic feasibility of the alternative means; and Identify those alternative means that are technically and economically feasible, describing each alternative means in sufficient detail. Identify the effects of each alternative means: Identify those elements of each alternative means that could produce effects in sufficient detail to allow a comparison with the effects of the project; and The effects referred to above include both environmental effects and potential adverse impacts on potential or established Aboriginal and Treaty rights and related interests. Identify the preferred means. Identify the preferred means based on the relative consideration of effects; and of technical and economic feasibility; and Determine criteria to examine the effects of each remaining alternative means to identify the preferred means.	4.2		
EIS0049	8	Alternative Means of Carrying out the Project	In its alternative means analysis, the proponent will address, as a minimum, the following project components: • Mining method;	4.3.1		
EIS0050	8	Alternative Means of Carrying out the Project	In its alternative means analysis, the proponent will address, as a minimum, the following project components: • Coal extraction technologies;	4.3.1		
EIS0051	8	Alternative Means of Carrying out the Project	In its alternative means analysis, the proponent will address, as a minimum, the following project components: • Coal processing methodologies;	4.3.4.4		
EIS0052	8	Alternative Means of Carrying out the Project	In its alternative means analysis, the proponent will address, as a minimum, the following project components: • Contaminated water treatment methodologies;	4.3.4.6		
EIS0053	8	Alternative Means of Carrying out the Project	In its alternative means analysis, the proponent will address, as a minimum, the following project components: • Water management plans (including water sources, diversions, pumping, pumping/drawdown/dewatering);	4.3.4.6		
EIS0054	8	Alternative Means of Carrying out the Project	In its alternative means analysis, the proponent will address, as a minimum, the following project components: • Siting of project components;	4.3.2 4.3.3		
EIS0055	8	Alternative Means of Carrying out the Project	In its alternative means analysis, the proponent will address, as a minimum, the following project components: • Mine waste disposal, including rock, contaminated water treatment, sewage treatment	4.3.3.2 4.3.4.6 4.3.4.9		
EIS0056	8	Alternative Means of Carrying out the Project	In its alternative means analysis, the proponent will address, as a minimum, the following project components: • Energy sources for the mine complex operations including back-up power plant;	4.3.4.3		
EIS0057	8	Alternative Means of Carrying out the Project	In its alternative means analysis, the proponent will address, as a minimum, the following project components:- Location of infrastructure related to the mine, including the location of surface and underground explosive storage, water treatment plant, and final effluent discharge point;	4.3.4.64.3.4.2		

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0058	8	Alternative Means of Carrying out the Project	In its alternative means analysis, the proponent will address, as a minimum, the following project components: • Location and layout of rail load-out facility, mine access roads, bridge crossings, transmission line(s), and pipelines;	4.3.3.1 4.3.4.1		
EIS0059	8	Alternative Means of Carrying out the Project	In its alternative means analysis, the proponent will address, as a minimum, the following project components: • Worker accommodations and transportation.	4.3.4.8		
EIS0060	9.1	Existing Environment Methodology	The EIS will include a description of the environment, including the components of the existing environment and environmental processes, their interrelations and interactions as well as the variability in these components, processes and interactions over time scales appropriate to the project. The description will be sufficiently detailed to characterize the environment before any disturbance to the environment due to the project and to identify, assess and determine the significance of the potential adverse environmental effects of the project. This data should include results from studies done prior to any physical disruption of the environment due to initial site clearing activities. The information describing the existing environment may be provided in a stand-alone chapter of the EIS or may be integrated into clearly defined sections within the effects assessment of each VC. This analysis will include environmental conditions resulting from historical and present activities in the local and regional study area.	[5 to 19].4 [5 to 16].5 [18 to 19].5	[6 to 14]-A 6-C 8-B 11-C 16-A 16-C 18-A 18-B 19-A	
EIS0061	9.1	Existing Environment Methodology	In describing the physical and biological environment, the proponent will take an ecosystem approach that considers both scientific and traditional knowledge and perspectives regarding ecosystem health and integrity. The proponent will identify and justify the indicators and measures of ecosystem health and integrity used for analysis and relate these to the identified VCs and proposed monitoring and follow-up measures.	[5 to 16].5 17.4 18.5 19.5		
EIS0062	9.1	Existing Environment Methodology	For the biophysical environment, baseline data in the form of inventories alone are not sufficient to assess effects. The proponent will consider the resilience of relevant species populations, communities and their habitats. The proponent will summarize all pertinent historical information on the size and geographic extent of relevant animal populations as well as density, based on best available information. Where little or no information is available, specific studies will be designed to gather further information on species populations, densities and the interrelations of these species to the ecosystem.	[9 to 13].4 [9 to 13].5		
EIS0063	9.1	Existing Environment Methodology	Habitat at regional and local scales should be defined in ecological mapping of aquatic and terrestrial vegetation types and species (e.g. ecological land classification mapping). Habitat use will be characterized by type of use (e.g. spawning, breeding, migration, feeding, nursery, rearing, wintering), frequency and duration. This assessment will consider all relevant variations for all VCs as appropriate. Emphasis will be on those species, communities and processes identified as VCs. However, the interrelations of these components and their relation to the entire ecosystem and communities of which they are a part will be indicated (e.g. population-level risk assessment). The proponent will address issues such as habitat, nutrient and chemical cycles, food chains, productivity, to the extent that they are appropriate to understanding the effect of the project on ecosystem health and integrity. Range and probability of natural variation over time will also be considered. The proponent will also examine changes in the distribution, populations, behaviour, and availability of wildlife, fish, and flora in the important context of implications to current use of lands and resources by Aboriginal peoples.	[9 to 13].5 20.4		
EIS0064	9.1	Existing Environment Methodology	If the baseline data have been extrapolated or otherwise manipulated to depict environmental conditions in the study areas, modelling methods and equations will be described and will include calculations of margins of error and other relevant statistical information, such as confidence intervals and possible sources of error.	[5 to 16].5 17.4 18.5 19.5	6-B 7-B 8-E 14-B 18-C	
EIS0065	9.1.2	Atmospheric Environment and Climate	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • Ambient air quality in the project areas and, for the mine site, the results of a baseline survey of ambient air quality, including the following contaminants: Total Particulate Matter (e.g. dust deposition), Total Suspended Particulates, PM _{2.5} , PM ₁₀ , SO _x , VOCs and NO _x ;	6.2.1 6.3.1 6.5.1	6-B	

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0066	9.1.2	Atmospheric Environment and Climate	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • Current ambient noise levels at both sites and within the local area, including the results of a baseline ambient noise survey. Information on typical sound sources, geographic extent and temporal variations will be included;	18.5.3.4	18-B	
EIS0067	9.1.2	Atmospheric Environment and Climate	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following:- Existing ambient light levels at the project site and at any other areas where project activities could have an effect on light levels. The EIS will describe night-time illumination levels during different weather conditions and seasons; and	3.6.3.11		
EIS0068	9.1.2	Atmospheric Environment and Climate	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • Historical records of total precipitation (rain and snow), mean, max and min temperatures.	6.5.2		
EIS0069	9.1.2	Terrestrial Environment-Geology and Geochemistry	 The EIS will describe the following: A discussion of the bedrock and host rock geology of the deposit which includes a table of geologic descriptions, geological maps and cross-sections of appropriate scale. Where appropriate, the following geologic parameters will be included: Maps of surficial and bedrock geology showing the distribution of geologic units; Representative lithologic and sediment descriptions including: age, colour, grain size, porosity, moisture conditions, permeability, mineralogy, physical strength, hardness, weathering characteristics, depositional setting and correlations of surficial and bedrock units; A geological stratigraphic framework for the surficial sediments and bedrock as appropriate in support of hydrogeological assessments. In particular, delineation of key stratigraphic and hydrogeologic oundaries, the spatial distribution and thickness of lithologic units shown in plan and cross-section; Alteration styles, mineralogy, bulk chemistry, trace metal chemistry occurrence and intensity of bedrock units; Structural fabric (e.g. joints and fractures, faults, foliation and lineation) and structural relationships, structural characterization of the rock formations impacted by the project; Type and grade of metamorphism; and Regional geologic framework including tectonic belt, terrane, regional metamorphism and structure. 	3.3	3-A 3-B	
EIS0070	9.1.2	Terrestrial Environment-Geology and Geochemistry	The EIS will describe the following: • A delineation of the regional and local geological structures in the project area that may affect the proposed infrastructure. This includes major structural features as well as lesser local structures, their ecological functions and distribution in the local study area;	3.3	3-A	
EIS0071	9.1.2	Terrestrial Environment-Geology and Geochemistry	The EIS will describe the following: • Geomorphology and topography of areas proposed for construction of major project components;	10.5.3		
EIS0072	9.1.2	Terrestrial Environment-Geology and Geochemistry	The EIS will describe the following: • Bedrock lithology, morphology, geomorphology and soils where earthworks are proposed;	10.5.3 11.5.4		

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0073	9.1.2	Terrestrial Environment-Geology and Geochemistry	 The EIS will describe the following: A description of geological hazards that exist in the areas planned for the project facilities and infrastructure, including: History of seismic activity in the area; Isostatic rise or subsidence; Landslides, slope erosion and the potential for ground and rock instability, and subsidence following project activities; and History of landslide-generated tsunamis if near a shoreline. 	10.5.3 10.7.1 23.2		
EIS0074	9.1.2	Terrestrial Environment-Geology and Geochemistry	The EIS will describe the following: • Sites of paleontological or palaeobotanical significance	19.3.4 19.5.3.3	19-A	
EIS0075	9.1.2	Terrestrial Environment-Geology and Geochemistry	The EIS will describe the following: • A characterization of the geochemical composition of expected mine materials such as waste rock and/or tailings if applicable, overburden and potential construction material, which will include: • Mineralogy; • Elemental composition of host lithologies and ore in study area (major and trace elements); and • Potential for acid generation, neutralization and contaminated neutral drainage.	3.3.2 3.5.2 3.5.3	3-B	
EIS0076	9.1.2	Terrestrial Environment-Geology and Geochemistry	Acid Rock Drainage/Metal Leaching The ARD/ML prediction information will be used to predict water quality for effects assessment and to determine mitigation requirements for the Project. Additional information will be provided on the following: • The type and method used for the ARD/ML prediction and possible mitigation measures;	3.5.1 8.7.1	3-B 8-E	
EIS0077	9.1.2	Terrestrial Environment-Geology and Geochemistry	Acid Rock Drainage/Metal Leaching The ARD/ML prediction information will be used to predict water quality for effects assessment and to determine mitigation requirements for the Project. Additional information will be provided on the following:- Volumes, segregation/disposal method mitigation/management plans, contingency plans, operational and post-closure monitoring and maintenance plans for management of waste rock, and tailings if applicable;	3.5.33.93.1024.7.4		
EIS0078	9.1.2	Terrestrial Environment-Geology and Geochemistry	Acid Rock Drainage/Metal Leaching The ARD/ML prediction information will be used to predict water quality for effects assessment and to determine mitigation requirements for the Project. Additional information will be provided on the following: • Assessment of short term metal leaching properties;	3.5.2	3-B	
EIS0079	9.1.2	Terrestrial Environment-Geology and Geochemistry	Acid Rock Drainage/Metal Leaching The ARD/ML prediction information will be used to predict water quality for effects assessment and to determine mitigation requirements for the Project. Additional information will be provided on the following: • Longer term kinetic testing to evaluate rates of acid generation (if any) and metal leaching;	3.5.2	3-B	
EIS0080	9.1.2	Terrestrial Environment-Geology and Geochemistry	Acid Rock Drainage/Metal Leaching The ARD/ML prediction information will be used to predict water quality for effects assessment and to determine mitigation requirements for the Project. Additional information will be provided on the following: • Assessment of the feasibility to successfully segregate potentially-acid generating (PAG) and non-potentially acid generating (NPAG) waste materials during operations, proposed geochemical segregation criteria and identification of operational methods that will be required to achieve geochemical characterization during operations (i.e. geochemical surrogates, on site lab, procedures needed);	3.5.3 24.7.4		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0081	9.1.2	Terrestrial Environment-Geology and Geochemistry	Acid Rock Drainage/Metal Leaching The ARD/ML prediction information will be used to predict water quality for effects assessment and to determine mitigation requirements for the Project. Additional information will be provided on the following: • Sensitivity analysis to assess the effects of imperfect segregation of waste rock.	3.5.2.1 8.7.1	8- E	
EIS0082	9.1.2	Terrestrial Environment-Geology and Geochemistry	Acid Rock Drainage/Metal Leaching The ARD/ML prediction information will be used to predict water quality for effects assessment and to determine mitigation requirements for the Project. Additional information will be provided on the following: • Mine water chemistry during operation and post-closure, and mine closure management measures. This will include geochemical modeling of water quality in the post-closure period.	3.5.2 8.7.1	8-E	
EIS0083	9.1.2	Terrestrial Environment-Geology and Geochemistry	Acid Rock Drainage/Metal Leaching The ARD/ML prediction information will be used to predict water quality for effects assessment and to determine mitigation requirements for the Project. Additional information will be provided on the following: • Surface and seepage water quality from the waste rock dumps, waste rock and coarse coal reject storage areas, stockpiles and other infrastructure during operations and post-closure.	3.5.2 8.7.1	8-E	
EIS0084	9.1.2	Terrestrial Environment-Geology and Geochemistry	Acid Rock Drainage/Metal Leaching The ARD/ML prediction information will be used to predict water quality for effects assessment and to determine mitigation requirements for the Project. Additional information will be provided on the following: • ARD/ML prevention/management strategies under a temporary or early closure scenario.	3.5.3 24.7.4		
EIS0085	9.1.2	Terrestrial Environment-Geology and Geochemistry	Acid Rock Drainage/Metal Leaching The ARD/ML prediction information will be used to predict water quality for effects assessment and to determine mitigation requirements for the Project. Additional information will be provided on the following: • Quantity and quality of leachate from samples of waste rock and coarse coal refuse.	3.5.2 8.7.1	8-E	
EIS0086	9.1.2	Terrestrial Environment-Geology and Geochemistry	Acid Rock Drainage/Metal Leaching The ARD/ML prediction information will be used to predict water quality for effects assessment and to determine mitigation requirements for the Project. Additional information will be provided on the following: • Quantity and quality of effluent to be released from the site into the receiving waters.	3.5.2 8.7.1	8-E	
EIS0087	9.1.2	Terrestrial Environment-Geology and Geochemistry	Acid Rock Drainage/Metal Leaching The ARD/ML prediction information will be used to predict water quality for effects assessment and to determine mitigation requirements for the Project. Additional information will be provided on the following:- Quality of humidity cell or column test liquid from acid rock testing.	3.5.2	3-B	
EIS0088	9.1.2	Terrestrial Environment-Geology and Geochemistry	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. Selenium The EIS will describe the following: • Baseline description of selenium concentrations within the local, regional and downstream receiving environments.	8.5.3.3 24.10.3	8-B	

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0089	9.1.2	Terrestrial Environment-Geology and Geochemistry	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. Selenium The EIS will describe the following: • Geochemical characterization of selenium leaching potential from waste rock, coal stockpiles, coarse coal rejects and tailings.	3.5.2 24.10	3-В	
EIS0090	9.1.2	Terrestrial Environment-Geology and Geochemistry	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. Selenium The EIS will describe the following: • Predictions of selenium in discharge water quality from each mine component, impacts on downstream water quality, and potential for selenium bioaccumulation in the aquatic ecosystem downstream of the Project.	8.7.1 8.8.1	8-E	
EIS0091	9.1.2	Terrestrial Environment-Geology and Geochemistry	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. Selenium The EIS will describe the following: • Monitoring and management practices and procedures that will be applied during all phases of the Project to prevent and manage potential environmental effects of selenium releases and cumulative selenium loadings.	24.10		
EIS0092	9.1.2	Surficial Geology	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • Baseline mapping and description of landforms and landform processes and soils within the local and regional project area.	10.5.3 11.5.4	10-A 10-C 10-D 10-E 10-F	
EIS0093	9.1.2	Surficial Geology	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • Description of surface sediments at proposed borrow and quarry sites, and other areas where earthworks are proposed. If the sedimentary deposits are identified as a potential source of granular material a description should be included.	10.5.3 11.5.4	10-C 10-E	
EIS0094	9.1.2	Surficial Geology	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • Maps depicting soil depth by horizon and soil order within the mine site area to support soil salvage and reclamation efforts, and to outline potential for soil erosion.	11.5.4	10-E 11-E	
EIS0095	9.1.2	Surficial Geology	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following:- Sedimentological and geochemical characteristics of surficial sedimentary units and soils.	11.5.4	11-F	

ID	Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0096 9.1.2	Surficial Geology	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS.	11.5.2	11-A 11-B	
		 The EIS will describe the following: A description of soil sample analysis completed and the Quality Assurance/Quality Control (QA/QC) program followed. 			
EIS0097 9.1.2	Surficial Geology	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS.	11.5.4 3.9		
		The EIS will describe the following:			
EIS0098 9.1.2	Surficial Geology	• Suitability of topsoil and overburden for use in the re-vegetation of surface-disturbed areas. Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS.	11.5.4	10-A 11-A	
		The EIS will describe the following: • A summary of the baseline data on the concentration of trace elements in site soils prior to project development.			
EIS0099 9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS.	7	7-B: 3 4.1 4.3	
		The EIS will describe the following: • An appropriate hydrogeologic model will be presented for the project area, which discusses the hydrostratigraphy and groundwater flow systems. Include the rationale for the selected model.		4.3	
EIS0100 9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following:	7	7-B: 3 4 5	
		 A detailed conceptual model will be provided. Model input parameters and boundary conditions will be clearly defined. Model inputs will be based on a sufficiently large data set and be conservative in nature. The model will be calibrated against baseline conditions and should be tested using site groundwater monitoring data to confirm the generated model. 			
EIS0101 9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS.	7	7-B: 5.3 6.1.2	
		The EIS will describe the following: • A sensitivity analysis will be performed to test model sensitivity to climatic variations (e.g. recharge) and hydrogeologic parameters (e.g. hydraulic conductivity).		6.1.3 6.2.4	

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0102	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following:- A description of the hydrogeology at the site and at local and regional study areas. The description will:o Characterize the hydrogeological context (e.g. hydrostratigraphy with aquifers and aquitards, major faults) including the delineation of key stratigraphic and hydrogeologic boundaries;o Characterize the physical properties of the hydrogeological units (e.g. hydraulic conductivity, transmissivity, saturated thickness, storativity, porosity, specific yield);o Delineate regional and local and site groundwater flow patterns and rates; discuss the hydrogeologic, hydrologic, geomorphic, climatic and anthropogenic controls ongroundwater flow;o Include a detailed groundwater budget;o Discuss temporal changes in groundwater flow (e.g. seasonal and long term changes in water levels);o Identify recharge and discharge areas;o Delineate and characterize groundwater and surface water interactions including the locations of groundwater discharge to surface water and surface water recharge to groundwater, and characterize perennial surface water flow (e.g. spatial extent and magnitude of baseflow);o Describe baseline groundwater and baseflow quality and the water type with their spatial distribution (zones);o Describe and locate the groundwater sources used as drinking water in the study area, their current use and potential for future use.	7	7- A:2.54.24.34.4.24.4. 35.15.25.35.4	
EIS0103	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • An inventory and analysis of existing information on the hydrogeological conditions/groundwater resources in the project area, including published reports, geological maps well record data (from water wells, monitoring wells and production wells) and Quality Assurance/Quality Control (QA/QC) procedures followed.	7	7-A: 3 4.1 4.2 4.3 4.4 5.1 5.2 5.3 5.4	
EIS0104	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • Hydrogeologic maps and cross-sections for the mine area to outline the extent of aquifers and aquitards, including bedrock fracture and fault zones, locations and depths of wells, groundwater types springs, surface waters, and project facilities. Groundwater levels, potentiometric contours and flow directions should be included.	7	7-A: 2.4 4.3 5	
EIS0105	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • A review of the physical geography (e.g. topography and physiographic units) and the geology of the area as it pertains to local and regional groundwater flow systems and aquifer/aquitard systems.	7	7-A: 2.1	
EIS0106	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • Maps showing groundwater divides and areas of recharge and discharge, with project components overlain.	7	7-A: 4.3	

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0107	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following:- Location and description of all groundwater monitoring wells in respect to the project area, including geologic, hydrostratigraphic, piezometric and construction data (e.g. depths of surficial and bedrock units, water level, hydraulic conductivity, diameter and screen depth and intercepted aquifer unit).	7	7-A:3	Commons
EIS0108	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • A description of baseline groundwater level data for regional and local flows in all aquifer units (overburden and bedrock units).	7	7-A: 3.5 4.3	
EIS0109	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • A description of monitoring protocol for collection of existing groundwater data.	7	7-A: 3.5	
EIS0110	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • Measurements of hydraulic conductivity (or transmissivity) for all hydrogeological units in the project area.	7	7-A: 2.5 3.4	
EIS0111	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • Results of the modeling of baseline hydrogeological conditions (refer to hydrogeological modeling section).	7	7-B: 5	
EIS0112	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • Graphs or tables indicating the seasonal variations in groundwater levels, flow regime, and quality.	7	7-A: 4.3 4.4	
EIS0113	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • Tables of baseflow measurements or estimates.	7	7-A: 4.4 7-B: 5.3.4	
EIS0114	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • A description of local and regional potable groundwater supplies, including their current use and potential for future use, as appropriate.	7.3.4		

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0115	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following:- Baseline analysis of groundwater and baseflow quality at the site and within the regional and local study area, including methods of sampling and analysis and details of QA/QC. This includes determining natural groundwater types and measuring concentrations of major constituents as well as minor and trace components. Ensure that particular attention is given to the components that would be, from an environmental point of view, potentially of interest in the course of mining operations. This analysis should be performed on sediment and bedrock aquifers.	7	7-A:4.4	
EIS0116	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • Bedrock fracture sizes and orientations in relation to groundwater flow.	7	7-A: 2.4.1 3.1 4.1 4.2 5.1 7.3 8.2 8.3	
EIS0117	9.1.2	Water Resources	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the following: • Evaluation of discharge rates.	7	7-B: 4.4 6.1.3	
EIS0118	9.1.2	Water Resources	The EIS will describe surface water quality, hydrology and sediment quality within the area of influence of the project. The baseline will provide the basis for the assessment of potential effects to surface water, presenting the range of water and sediment quality and surface water hydrology.	8.5.2 8.5.3 8.5.4	8-A 8-B 8-C 8-D	
EIS0119	9.1.2	Water Resources	Furthermore, the EIS will describe: • The delineation of drainage basins, at appropriate scales.	8.3 8.5.2 Figure 8.5-1	8-A	
EIS0120	9.1.2	Water Resources	Furthermore, the EIS will describe: • The assessment of hydrological regimes.	8.5.2.3 8.7.1.1	8-A	
EIS0121	9.1.2	Water Resources	Furthermore, the EIS will describe: • Flows or design peak flows for selected periods for the project area.	8.5.2.3		
EIS0122	9.1.2	Water Resources	Furthermore, the EIS will describe: • Any local and regional potable surface water resource.	18.3.1 16.5.3.1 16.5.3.12	16-A	
EIS0123	9.1.2	Water Resources	Furthermore, the EIS will describe: • Seasonal water quality field and lab analytical results and interpretation at several representative local stream and lake monitoring stations established at the project site.	8.5.3.3	8-B 8-C	

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0124	9.1.2	Wetlands	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. Wetlands that may be affected by project activities will be characterized according to their location, size, type (wetland class and form), species composition and ecological function (Canadian Wetland Classification System, National Wetlands Working Group [NWWG] 1997). Efforts should focus on describing the wetlands with the greatest potential to be affected, including those within the project footprint. An overview of the key plant communities and animals that rely on wetlands will be presented.	12.5.3 12.8.3 12.8.4 12.8.5		
EIS0125	9.1.2	Fish and Fish Habitat	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. In order to allow analysis of the project's effects, the EIS will document the physical and biological characteristics of the fish and fish habitat likely to be directly or indirectly affected by the project.	9.5.3	9-A	
EIS0126	9.1.2	Fish and Fish Habitat	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will describe the limnology, hydrology, freshwater biota (e.g. invertebrates such as mollusks and anthropods), presence of fish and other freshwater species, associated habitats and habitat distribution and fisheries in potentially affected surface waters, based on available published information, information resulting from community consultation, and/or results of on-site baseline surveys.	8.5.4.39.5.3	8-D9-A9-B	
EIS0127	9.1.2	Fish and Fish Habitat	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. Furthermore, the EIS will describe the following: • Characterize fish populations on the basis of species and life stage for affected water bodies (i.e. project footprint, upstream and downstream).	9.5.3	9-A	
EIS0128	9.1.2	Fish and Fish Habitat	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. Furthermore, the EIS will describe the following: • List any rare fish or invertebrate species that are known to be present.	8.5.4.3 9.5.3	8-D 9-A 9-B	
EIS0129	9.1.2	Fish and Fish Habitat	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. Furthermore, the EIS will describe the following: • Identify any potential waterbodies and fish habitat sites that could be rehabilitated, restored or created for possible habitat gains to offset losses from the project. Note that certain intermittent streams or wetlands may constitute fish habitat or contribute indirectly to fish habitat. The absence of fish at the time of the survey does not irrefutably indicate an absence of fish habitat.	9.7.2.7	9-A	
EIS0130	9.1.2	Fish and Fish Habitat	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The EIS will illustrate, on a topographic scale map, the hydrographic network (water bodies and watercourses), including intermittent streams, flood risk areas and wetlands. It will also indicate the boundaries of the watershed and sub watersheds of the study area.	Figure 9.5-3	9-A 9-B	

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0131	9.1.2	Fish and Fish Habitat	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS.	9.5.3	9-B	
			Emphasis will be placed on the watercourses and water bodies likely to be affected by the project and their physical characteristics, water quality and hydrological regime. Hence, for all the watercourses and water bodies on which effects are anticipated, the EIS will describe the biophysical characteristics, including:			
			• For each watercourse, indicate the name of the watercourse and provide a description of the habitat by homogeneous section. The parameters that must be determined are length of the section, width of the channel from the high water mark (bankful width), water depths, type of substrate (sediments), aquatic and riparian vegetation, including bank slopes. It is recommended that photos be attached to the description;			
			• For each lake or water body affected, indicate the name of the water body and provide a description. The parameters that must be determined are total surface area, bathymetry, maximum and mean depths, water level fluctuations, type of substrate (sediments), and location of submerged, floating and emergent aquatic vegetation, and water quality parameters (e.g. water temperature, turbidity, pH, dissolved oxygen profiles);			
			Monthly/seasonal/annual water flow (discharge) data, including minimum and maximum flows;			
			Natural obstacles (e.g. falls, beaver dams) or existing structures (e.g. water crossings) that hinder the free passage of fish; and			
			• Preparation of habitat maps at a suitable scale indicating the surface area of habitat for spawning, nursery, feeding, and migration routes. This information should be linked to water depths (bathymetry) to identify the extent of a lake's littoral zone.			
EIS0132	9.1.2	Fish and Fish Habitat	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. Fish sampling survey methods used will be described in order to allow experts to ensure the quality of the information provided. If studies on fish and fish habitat were carried out previously, they are to be submitted with the EIS.	9.5.2	9-A	
EIS0133	9.1.2	Fish and Fish Habitat	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS.	9.5.3	9-A 9-B	
			For all watercourses or water bodies on which the project is likely to have effects, the EIS will:			
			Describe the fish species present on the basis of the surveys carried out and the data available (e.g. electric and experimental fishing, government and historical databases, sport fishing data). Identify the sources of the data and provide the information concerning the fishing carried out (e.g. location of sampling stations, catch methods, date of catches, species);			
			Specify the location and surface area of potential or confirmed fish habitats and describe how they are used by fish (spawning, rearing, growth, feeding, migration, overwintering);			
			Locate and describe suitable habitats for species at risk that appear on federal and provincial lists and that are found or are likely to be found in the study area;			
			Document any blasting activity near water where vibrations may affect fish behaviour, such as spawning or migrations; and			
			Indicate how fish passage will be maintained for sites where stream crossings are to be installed, constructed or modified.			
EIS0134	9.1.2	Birds, Wildlife and Their Habitat	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS.	13.5.1 13.5.2 13.5.3		
			The EIS will describe migratory and non-migratory birds (including waterfowl, raptors, shorebirds, marsh birds and other landbirds), ungulates, furbearers, amphibians, small mammals, and their habitat at the project site and within the local and regional areas. The results of any baseline surveys and a description of the methodology will be included.	13.5.4		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0135	9.1.2	Birds, Wildlife and Their Habitat	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. Migratory birds are protected under the Migratory Birds Convention Act (MBCA) and associated regulations. Preliminary data from existing sources will be gathered on year-round migratory bird use of the area (e.g. winter, spring migration, breeding season, fall migration). Information should be obtained from naturalists, relevant government agencies, and Aboriginal groups.	13.5.4		
EIS0136	9.1.2	Birds, Wildlife and Their Habitat	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. Existing data will be supplemented by surveys, where necessary. Surveys should be designed with reference to the Canadian Wildlife Service's guidance such as Technical Report No. 508, A Framework for the Scientific Assessment of Potential Project Impacts on Birds (Hanson et al. 2009). Appendix 3 of the Framework provides examples of project types and recommended techniques for assessing impacts on migratory birds.	13.5.3 13.5.4		
EIS0137	9.1.2	Birds, Wildlife and Their Habitat	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. Other wildlife and their habitat that could be impacted by project activities will be characterized using existing data, supplemented by surveys as appropriate. The EIS will give particular consideration to areas of concentration of migratory animals, such as breeding, denning and/or wintering areas, as well as breeding areas of species low in number and high in the food chain. The project is proposed within the range of the Quintette herd comprising the woodland caribou, southern mountain opulation. The EIS should describe the location of the project in the context of summer and winter core caribou habitat, suitable habitat outside of core habitat, and corridor (seasonal movement) habitat between summer and winter core habitat.	13.5.4 13.7		
EIS0138	9.1.2	Birds, Wildlife and Their Habitat	Based on the scope of project described in section 6, the proponent will present the following baseline information to facilitate the identification of valued components (VC) for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these components will also be described in the EIS. The description of the existing environment will include consideration of existing or proposed protected areas, special management areas, and conservation areas in the regional study area	13.3.1 13.3.2 13.3.3		
EIS0139	9.1.2	Birds, Wildlife and Their Habitat	Species at Risk and Species of Conservation Concern As background for the analysis of the project's effects on Species at Risk (SAR), the EIS will:- Identify all SARs that may be affected by the project, using existing data and literature as well as surveys to provide current field data, as appropriate;- Incorporate any published studies that describe the regional importance, abundance and distribution of SARs; and- Identify residences, seasonal movements, movement corridors, habitat requirements, key habitat areas, identified critical habitat and/or recovery habitat (where applicable) and general life history of SARs that may occur in the project area, or be affected by the project. The following information sources on species at risk and species of conservation concern should be consulted:- SARA (www.sararegistry.gc.ca);- Species at Risk Recovery Teams;- COSEWIC;- Relevant Government agencies;- Local naturalist and interest groups; and- Aboriginal groups and First Nations.	13.313.4.413.4.513.4 .613.5.4		
EIS0140	9.1.2	Ecosystems	The EIS will describe the various ecosystems found in the project area which are likely to be affected by the project. Flora The EIS will describe potential or known plant species in the project area, including non-vascular plants such as lichen and mosses, which are listed under the Species at Risk Act or other provincial or territorial endangered species legislation, and critical habitat that are likely to be affected by the project. The species selected within each biotic VC should include those of importance to health and socioeconomic conditions, cultural heritage and the current use of land and resources for traditional purposes by Aboriginal persons.	11.7.2.4 11.7.2.5		
EIS0141	9.1.3	Human Environment	The definition of the human environment will be interpreted broadly. Based on the scope of project described in section 6, the following VCs will be identified and described in the relevant sections of the EIS: • Land use context (e.g. hunting, fishing, outdoor recreation, use of seasonal cabins, existing land development).	16.5.3	16-A	

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EIS0142	9.1.3	Human Environment	The definition of the human environment will be interpreted broadly. Based on the scope of project described in section 6, the following VCs will be identified and described in the relevant sections of the EIS: • Health and socio-economic conditions.	15.3 15.4 15.5	14-A	
EIS0143	9.1.3	Human Environment	The definition of the human environment will be interpreted broadly. Based on the scope of project described in section 6, the following VCs will be identified and described in the relevant sections of the EIS: • Physical and cultural heritage, including structures, sites or things of historical, archaeological, paleontological or architectural significance.	19.5.3 17.5.7	19-A 17-A	
EIS0144	9.1.3	Human Environment	The definition of the human environment will be interpreted broadly. Based on the scope of project described in section 6, the following VCs will be identified and described in the relevant sections of the EIS: • Current use of land and resources for traditional purposes by Aboriginal peoples.	17		
EIS0145	9.1.3	Human Environment	 In describing how the project may impede navigation, the EIS will: Identify any project components and a description of any activities (e.g. dredging, alteration of water bed and/or water banks) that may affect waterways and water bodies; Describe any recreational uses of natural waters (i.e. swimming, canoeing, fishing); and Provide information on current and/or historic usage of all waterways and water bodies that will be directly affected by the project, including current Aboriginal uses, where available. 	16.5.3.3	16-B	
EIS0146	9.1.3	Human Environment	The proponent will include all baseline information relevant to human health in one section of the EIS. The proponent should refer to Health Canada's Useful Information for Environmental Assessments document in order to include the appropriate baseline information relevant to human health.	18.5.3	18-A 18-B	
EIS0147	9.1.3	Human Environment	In describing the socio-economic environment, the proponent will provide information on the functioning and health of the socio-economic environment, encompassing a broad range of matters that affect communities and Aboriginal peoples in the study area in a way that recognizes interrelationships, system functions and vulnerabilities. A description of the rural and urban settings likely to be affected by the project will be provided.	15.5.3	14-A	
EIS0148	9.1.3	Human Environment	In describing physical and cultural heritage, the proponent will provide information on heritage resources, including structures, sites or things of historical, archaeological, paleontological or architectural significance	19.5.3 17.4.X.4 [X=4 to 14]	19-A 17-A	
EIS0149	9.1.3	Human Environment	In describing current uses of land and resources by Aboriginal groups for traditional purposes, the proponent will include activities related, but not limited, to hunting, fishing, trapping, cultural and other traditional uses of the land (e.g. collection of medicinal plants, use of sacred sites). Potential effects on current uses include access to areas that are of importance or concern to Aboriginal groups.	17.4 17.5 17.6	17-A	
EIS0150	9.2	Potential or Established Aboriginal and Treaty Rights and Related Interests	For the purposes of developing the EIS, the proponent will engage with Aboriginal groups whose potential or established Aboriginal rights and Treaty rights and related interests may be adversely affected by the project.	2.420.5.120.6.120.7. 120.8.120.9.120.10.1 20.11.120.12.120.13. 120.14.120.15.120.1 6.1		
EIS0151	9.2	Potential or Established Aboriginal and Treaty Rights and Related Interests	The proponent will hold meetings and facilitate these by making key EA summary documents (baseline studies, EIS and key findings) accessible and making plain language summaries of these documents available to the following groups: • Blueberry River First Nations • McLeod Lake Indian Band • Saulteau First Nations • West Moberly First Nations • Horse Lake First Nation The proponent will ensure that the groups' views are heard and recorded.	2.4 20.5.1 20.6.1 20.7.1 20.8.1 20.9.1	2-D 2-E 2-H	

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0152	9.2	Potential or Established Aboriginal and Treaty Rights and Related Interests	There are additional Aboriginal groups whose interests may be affected by the project and its related effects. These Aboriginal groups include, but are not limited to: • Doig River First Nation • Fort Nelson First Nation • Halfway River First Nation • Prophet River First Nation • Kelly Lake Métis Settlement Society • Métis Nation British Columbia For these groups, the proponent must make key EA summary documents (Draft/Final EIS and key findings) accessible and make plain language summaries of these documents available and ensure these groups' views are heard and recorded.	2.4 20.10.1 20.11.1 20.12.1 20.13.1 20.14.1 20.15.1 20.16.1	2-D 2-E 2-H	
EIS0153	9.2	Potential or Established Aboriginal and Treaty Rights and Related Interests	In preparing the EIS, the proponent will ensure that Aboriginal groups, especially those most likely to be affected by the project, have access to timely and relevant information that they require in respect of the project and how the project may adversely impact them.	2.4.3 20.5.1 20.6.1 20.7.1 20.8.1 20.9.1 20.10.1 20.11.1 20.12.1 20.13.1 20.14.1 20.15.1 20.16.1		
EIS0154	9.2	Potential or Established Aboriginal and Treaty Rights and Related Interests	At a minimum, the EIS will summarize available information on the potential or established Aboriginal and Treaty rights and related interests of the named Aboriginal groups that have the potential to be adversely impacted by the project. As part of this summary, the EIS will include for each Aboriginal group: • Background information and a map of the group's traditional territory; • A summary of engagement activities conducted prior to the submission of the EIS, including the date and means of engagement (e.g. meetings, mail, telephone);- Information on each group's potential or established rights (including geographical extent, nature, frequency, timing), including maps and data sets (e.g. fish catch numbers) when this information is provided by a group to the proponent; • An overview of key comments and concerns provided by each group to the proponent;- Responses provided by government and/or the proponent, as appropriate; • Future planned engagement activities; and- Efforts undertaken to engage with Aboriginal groups as part of developing the information identified above. The proponent will describe all efforts, successful or not, taken to solicit the information required to prepare the EIS.	2.417.620.5.120.5.22 0.6.120.6.220.7.120. 7.220.8.120.8.220.9. 120.9.220.10.120.10. 220.11.120.11.220.1 2.120.12.220.13.120. 13.220.14.120.14.22 0.15.120.15.220.16.1 20.16.2	2-D2-E17-A	
EIS0155	10.1.1	Environmental Effects Methodology	The proponent will indicate the project's effects during construction, operation, maintenance, foreseeable modifications, and where relevant, closure, decommissioning and restoration of sites and facilities associated with the project, and describe these effects using appropriate criteria. To the maximum extent possible, this documentation will include, for each potential project-related environmental effect, an indication of the nature of the effect, mechanism, magnitude, duration, frequency, geographic extent, and the degree to which it may be reversible. The proponent will consider both the direct and indirect, reversible and irreversible, short- and long-term environmental effects of the project.	[5 to 19].7 [5 to 19].8 [5 to 18].9 [6 to 16].10 11.11 17.6 18.10		

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EIS0156	10.1.1	Environmental Effects Methodology	In predicting and assessing the project's effects, the proponent will indicate important details and clearly state the elements and functions of the environment that may be affected, specifying the location, extent and duration of these effects and their overall impact.	[5 to 19].7 [5 to 19].8 [5 to 18].9 [6 to 16].10 11.11 17.6 18.10		
EIS0157	10.1.1	Environmental Effects Methodology	The assessment of the effects of each of the project components and physical activities, in all phases, will be based on a comparison of the biophysical and human environments between the predicted future conditions with the project and the predicted future conditions without the project.	[5 to 19].8 [5 to 18].9 [6 to 16].10 11.11 17.7 18.10		
EIS0158	10.1.1	Environmental Effects Methodology	All conclusions will be substantiated. Predictions will be based on clearly stated assumptions. The proponent will describe how it has tested each assumption. With respect to quantitative models and predictions, the proponent will discuss the assumptions that underlie the model, the quality of the data and the degree of certainty of the predictions obtained.	[5 to 19].7 [5 to 19].8 [5 to 18].9 [6 to 16].10 11.11 17.6 18.10		
EIS0159	10.1.1	Environmental Effects Methodology	Risk Assessment Framework The proponent is expected to employ, where appropriate, standard ecological risk assessment frameworks that categorize the levels of detail and quality of the data required for the assessment. These tiers are as follows: • Tier 1: Qualitative (expert opinion, including traditional and local knowledge, literature review, and existing site information); • Tier 2: Semi-quantitative (measured site-specific data and existing site information); and • Tier 3: Quantitative (recent field surveys and detailed quantitative methods). Thus, if the Tier 2 assessment still indicates a potential for effects to VCs, a Tier 3 assessment may need to be conducted to reduce the level of uncertainty. If the risk characterization component is uncertain this may necessitate the probabilistic modelling of the population-level consequences of the proposed project.	5.8		
EIS0160	10.1.1	Environmental Effects Methodology	When risks to human health due to changes in one or more of these components are predicted, a complete Human Health Risk Assessment (HHRA) examining all exposure pathways for pollutants of concern may be necessary to adequately characterize potential risks to human health.	18.8		
EIS0161	10.1.1	Environmental Effects Methodology	Impact Matrix An impact matrix methodology in combination with identification of VCs should be used to evaluate environmental effects of the proposed project, including those related to Aboriginal peoples. The assessment will include the following general steps: • Identification of the activities and components of the project; • Predicting/evaluating the likely effects on identified valued components; • Identification of technically and economically feasible mitigation measures for any significant adverse environmental effects; • Determination of any residual environmental effect based on various criteria; and • Determination of the potential significance of any residual environmental effect following their implementation of mitigation.	[5 to 16].6 to [5 to 16].10 17.5 to 17.9 18.6 to 18.10 19.6 to 19.8		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0162	10.1.1	Environmental Effects Methodology	Application of Precautionary Approach In documenting the analyses included in the EIS, the proponent will: • Demonstrate that all aspects of the project have been examined and planned in a careful and precautionary manner in order to ensure that they would not cause serious or irreversible damage to the environment, especially with respect to environmental functions and integrity, system tolerance and resilience, and/or the human health of current or future generations; • Outline and justify the assumptions made about the effects of all aspects of the project and the approaches to minimize these effects; • Ensure that in designing and operating the project, priority has been and would be given to strategies that avoid the creation of adverse effects; • Develop contingency plans that explicitly address accidents and malfunctions; and	1.2.3.1	E13 Appendix	Comments
EIS0163	10.1.2	Changes to the Environment	 Identify any proposed follow-up and monitoring activities, particularly in areas where scientific uncertainty exists in the prediction of effects. The EIS will describe any change that may be caused by the project (as scoped in section 6 of the EIS Guidelines) on the environment, which is defined as the components of the Earth, including: Land, water and air, including all layers of the atmosphere; All organic and inorganic matter and living organisms; and The interacting natural systems that include the components described above. These descriptions will be integrated into the effects assessment sections of each VC included in the EIS. 	5.7.1 [6 to 16].7 17.6 18.7 19.7		
EIS0164	10.1.2	Changes to the Environment	The EIS will include a stand-alone section that summarises those changes that may be caused by the project on the components of the environment listed in paragraph 5(1)(a) of CEAA, 2012, namely fish and fish habitat, aquatic species and migratory birds.	26.5		
EIS0165	10.1.2	Changes to the Environment	The EIS will include a stand-alone section that summarises any change the project may cause to the environment that may occur on federal lands or lands outside the province in which the project is to be located (including outside of Canada).	26.5		
EIS0166	10.1.3	Effects of Changes to the Environment	The EIS will describe the effects of any changes the project may cause to the environment, with respect to Aboriginal peoples, on health and socio-economic conditions, physical and cultural heritage, the current use of lands and resources for traditional purposes, or any structure, site or thing that is of historical, archaeological, paleontological or architectural significance.	17, 19, 20, 26.5		
EIS0167	10.1.3	Effects of Changes to the Environment	In situations where the EIS has identified changes to the environment that are directly linked or necessarily incidental to federal decisions identified in section 5.2, the EIS will also include a stand-alone section that describes the effects of these changes on health and socio-economic conditions, physical and cultural heritage, or any structure, site or thing that is of historical, archaeological, paleontological or architectural significance, other than as they pertain to Aboriginal peoples (who are considered in the previous section).	26.5		
EIS0168	10.2	Adverse Impact on Aboriginal and Treaty Rights and Related Interests	The EIS will describe, from the perspective of the proponent, the potential adverse impacts of the project on the ability of Aboriginal peoples to exercise the potential or established Aboriginal and Treaty rights and related interests identified in section 9.2 of the EIS Guidelines. As part of this description, this section will summarise:- Potential adverse impacts (on potential or established Aboriginal and Treaty rights and related interests) that were identified through the environmental effects described in sections 10.1.2 and 10.1.3 of the EIS Guidelines;	20.5.420.6.420.7.420 .8.420.9.420.10.420. 11.420.12.420.13.42 0.14.420.15.420.16.4		

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EIS0169	10.2	Adverse Impact on Aboriginal and Treaty Rights and Related Interests	The EIS will describe, from the perspective of the proponent, the potential adverse impacts of the project on the ability of Aboriginal peoples to exercise the potential or established Aboriginal and Treaty rights and related interests identified in section 9.2 of the EIS Guidelines. As part of this description, this section will summarise: • Specific issues and concerns raised by Aboriginal groups in relation to the potential adverse impacts of the project on potential or established Aboriginal and Treaty rights and related interests.	20.5.1.2 20.5.4 20.6.1.2 20.6.4 20.7.1.2 20.7.4 20.8.1.2 20.8.4 20.9.1.2 20.9.4 20.10.1.2 20.10.4 20.11.1.2 20.11.4 20.12.1.2 20.12.4 20.13.1.2 20.13.4 20.14.1.2 20.14.4 20.15.1.2 20.15.4 20.16.1.2		
EIS0170	10.2	Adverse Impact on Aboriginal and Treaty Rights and Related Interests	The EIS will describe, from the perspective of the proponent, the potential adverse impacts of the project on the ability of Aboriginal peoples to exercise the potential or established Aboriginal and Treaty rights and related interests identified in section 9.2 of the EIS Guidelines. As part of this description, this section will summarise: • VCs suggested for inclusion in the EIS, whether or not those factors were included, and the rationale for any exclusions.	20.16.4 20.5.3.1 20.6.3.1 20.7.3.1 20.8.3.1 20.9.3.1 20.10.3.1 20.11.3.1 20.12.3.1 20.13.3.1 20.14.3.1 20.15.3.1 20.16.3.1		
EIS0171	10.2	Adverse Impact on Aboriginal and Treaty Rights and Related Interests	The EIS will describe, from the perspective of the proponent, the potential adverse impacts of the project on the ability of Aboriginal peoples to exercise the potential or established Aboriginal and Treaty rights and related interests identified in section 9.2 of the EIS Guidelines. As part of this description, this section will summarise:- Where and how Aboriginal traditional knowledge or other Aboriginal views were incorporated into the consideration of environmental effects and potential adverse impacts on potential or established Aboriginal and Treaty rights and related interests;	20.5.3.220.6.3.220.7. 3.220.8.3.220.9.3.22 0.10.3.220.11.3.220. 12.3.220.13.3.220.14 .3.220.15.3.220.16.3. 2		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0172	10.2	Adverse Impact on Aboriginal and Treaty Rights and Related Interests	The EIS will describe, from the perspective of the proponent, the potential adverse impacts of the project on the ability of Aboriginal peoples to exercise the potential or established Aboriginal and Treaty rights and related interests identified in section 9.2 of the EIS Guidelines. As part of this description, this section will summarise: • Efforts undertaken to engage with Aboriginal groups as part of collecting the information identified above.	2.4 20.5.1.1 20.6.1.1 20.7.1.1 20.8.1.1 20.9.1.1 20.10.1.1 20.11.1.1 20.12.1.1 20.13.1.1 20.14.1.1 20.15.1.1 20.16.1.1	2-D	
EIS0173	10.2	Adverse Impact on Aboriginal and Treaty Rights and Related Interests	The assessment of the potential adverse impacts of each of the project components and physical activities, in all phases, will be based on a comparison of the exercise of the identified rights between the predicted future conditions with the project and the predicted future conditions without the project. It is recommended that the impact matrix methodology described in section 10.1.1 of the EIS Guidelines be adapted for this purpose.	20.5.4 20.6.4 20.7.4 20.8.4 20.9.4 20.10.4 20.11.4 20.12.4 20.13.4 20.14.4 20.15.4 20.16.4		
EIS0174	10.3	Public Concerns	This section will detail public concerns raised in relation to the project, including through public consultation conducted prior to the preparation of the EIS, and/or community knowledge that may have been provided.	2.5.4	2-G	
EIS0175	11.1.1	Environmental Mitigation Methodology	The EIS will describe the standard mitigation practices, policies and commitments that constitute technically and economically feasible mitigation measures and that will be applied as part of standard practice regardless of location. The proponent will then describe its environmental protection plan and its environmental management system, through which it will deliver this plan. The plan will provide an overall perspective on how potentially adverse effects would be minimized and managed over time.	5.7.2 [6 to 16].7 17.6 18.7 19.7 24 25		
EIS0176	11.1.1	Environmental Mitigation Methodology	The EIS will describe mitigation measures that are specific to each environmental effect identified in section 10.1 of the EIS Guidelines. Measures will be written as specific commitments that clearly describe how the proponent intends to implement them. Where mitigation measures have been identified in relation to species and/or critical habitat listed under the Species at Risk Act, the mitigation measures will be onsistent with any applicable recovery strategy and action plans.	5.7.2[6 to 16].717.618.719.724 25		
EIS0177	11.1.1	Environmental Mitigation Methodology	The EIS will describe proponent commitments, policies and arrangements directed at promoting beneficial or mitigating adverse socio-economic effects. The EIS will further discuss the mechanisms the proponent would use to require its contractors and sub-contractors to comply with these commitments and policies and with auditing and enforcement programs.	1.7 14.7 15.7 24.16		

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0178	11.1.1	Environmental Mitigation Methodology	The EIS will specify the actions, works, minimal disturbance footprint techniques, best available technology, corrective measures or additions planned during the project's various phases (construction, operation, modification, decommissioning, abandonment or other undertaking related to the project) to eliminate or reduce the significance of adverse effects.	5.7.2 [6 to 16].7 17.6 18.7 19.7 24 25		
EIS0179	11.1.1	Environmental Mitigation Methodology	The impact statement will also present an assessment of the effectiveness of the proposed technically and economically feasible mitigation measures. The reasons for determining if the mitigation measure reduces the significance of an adverse effect will be made explicit.	5.7.2 [6 to 16].7 17.6 18.7 19.7 24 25		
EIS0180	11.1.1	Environmental Mitigation Methodology	The EIS will indicate what other technically and economically feasible mitigation measures were considered, including the various components of mitigation, and explain why they were rejected. Tradeoffs between cost savings and effectiveness of the various forms of mitigation will be justified. The EIS will identify who is responsible for the implementation of these measures and the system of accountability.	24		
EIS0181	11.1.1	Environmental Mitigation Methodology	Where mitigation measures are proposed to be implemented for which there is little experience or for which there is some question as to their effectiveness, the potential risks and effects to the environment should those measures not be effective will be clearly and concisely described. In addition, the EIS will identify the extent to which technology innovations will help mitigate environmental effects. Where possible, it will provide detailed information on the nature of these measures, their implementation, management and the development of the follow-up program as described in section 11.4 of the EIS Guidelines.	25		
EIS0182	11.1.2	Summary of Environmental Mitigation	In addition, the EIS will summarise the mitigation measures, follow-up and related commitments identified to address the categories of environmental effects specified in section 10 of the EIS Guidelines: • Changes to components of the environment within federal jurisdiction; • Changes to the environment that would occur on federal or transboundary lands; • Changes to the environment that are directly linked or necessarily incidental to federal decisions; • Effects of changes to the environment on Aboriginal peoples; and • Effects of changes to the environment that are directly linked or necessarily incidental to federal decisions.	26.5		
EIS0183	11.2	Measures to Address Impacts on Aboriginal Rights	This section will describe, from the perspective of the proponent, the measures identified to mitigate the potential adverse impacts of the project described in section 10.2 on the potential or established Aboriginal and Treaty rights and related interests identified in section 9.2. These measures will be written as specific commitments that clearly describe how the proponent intends to implement them. This description will include a summary of: • Specific suggestions raised by Aboriginal groups for mitigating the potential adverse impacts of the project on potential or established Aboriginal and Treaty rights and related interests in relation to environmental effects specified in sections 10.1.2 and 10.1.3 of the EIS Guidelines; • Environmental mitigation measures identified in section 11.1 that also serve to address potential adverse impacts on potential or established Aboriginal and Treaty rights and related interests; • Any potential cultural, social and/or economic impacts or benefits to Aboriginal groups that may arise as a result of the project.	1.7 20.5.4 20.6.4 20.7.4 20.8.4 20.9.4 20.10.4 20.11.4 20.12.4 20.13.4 20.14.4 20.15.4 20.16.4		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0184	11.2	Measures to Address Impacts on Aboriginal Rights	In preparing the EIS, the proponent will ensure that Aboriginal people and groups have access to the information that they require in respect of the project and of how it may impact them. The proponent will describe all efforts, successful or not, taken to solicit the information required to prepare the EIS.	2.420.5.1.120.6.1.12 0.7.1.120.8.1.120.9.1 .120.10.1.120.11.1.1 20.12.1.120.13.1.120 .14.1.120.15.1.120.1 6.1.1	2-D	
EIS0185	11.2	Measures to Address Impacts on Aboriginal Rights	The proponent will structure its Aboriginal engagement activities to provide adequate time for Aboriginal groups to review the relevant information in advance and to ensure there are sufficient opportunities for individuals and groups to provide oral input in the language of their choosing. Consultation activities must be appropriate to the groups' needs and should be arranged through discussions with the groups.	2.4 20.5.1.1 20.6.1.1 20.7.1.1 20.8.1.1 20.9.1.1 20.10.1.1 20.11.1.1 20.12.1.1 20.13.1.1 20.14.1.1 20.15.1.1 20.16.1.1		
EIS0186	11.3	Measures to Address Public Concerns	This section will describe measures identified for addressing public concerns in relation to the project identified in section 10.3 of the EIS Guidelines. Measures will be written as specific commitments that clearly describe how the proponent intends to implement them.	2.5.4		
EIS0187	11.3	Measures to Address Public Concerns	For any consultations undertaken with the general public, the EIS will describe the ongoing and proposed consultations and information sessions with respect to the project at the local, regional and provincial levels, where applicable. The EIS will provide a summary of discussions, indicate the methods used and their relevance, locations, the persons and organizations consulted, the concerns raised, the extent to which this information was incorporated in the design of the project as well as in the EIS, and the resultant changes. The proponent will also provide a description of efforts made to distribute project information and provide a description of information and materials that were distributed during the consultation process.	2.5.3 2.5.4 2.5.5	2-F 2-G	
EIS0188	11.4	Follow-up Program	The EIS will describe the proposed follow-up program in sufficient detail to allow independent judgment as to the likelihood that it will deliver the type, quantity and quality of information required to reliably verify predicted effects (or absence of them), and to confirm both the assumptions and the effectiveness of mitigation. The follow-up program will include specific commitments that clearly describe how the proponent intends to implement them.	25		
EIS0189	11.4	Follow-up Program	The follow-up program will be designed to incorporate baseline data, compliance data (such as established benchmarks, regulatory documents, standards or guidelines) and real time data (such as observed data gathered in the field). The proponent will describe the reporting methods to be used, including frequency, methods and format.	25		
EIS0190	11.4	Follow-up Program	The effects predictions, assumptions and mitigation actions that are to be tested in the follow-up program must be converted into field-testable monitoring objectives. The monitoring design must include a statistical evaluation of the adequacy of existing baseline data to provide a benchmark against which to test for project effects, and the need for any additional pre-construction or pre-operational monitoring to establish a firmer project baseline.	25		
EIS0191	11.4	Follow-up Program	The follow-up program will include a schedule indicating the frequency and duration of effects monitoring. This schedule is to be developed after an evaluation of the length of time needed to detect effects given estimated baseline variability, likely magnitude of environmental effect and desired level of statistical confidence in the results (Type 1 and Type 2 errors).	25		
EIS0192	11.4	Follow-up Program	The description of the follow-up program will include any contingency procedures/plans or other adaptive management provisions as a means of addressing unforeseen effects or for correcting exceedances as required to comply or to conform to benchmarks, regulatory standards or guidelines.	25		

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0193	11.4	Follow-up Program	 The follow-up program will also be designed to monitor the implementation of mitigation measures resulting from Aboriginal consultation, including: Verifying predictions of environmental effects with respect to Aboriginal peoples, as well as residual impacts that could not be addressed within the context of the EA; Determining the effectiveness of mitigation measures as they relate to environmental effects with respect to Aboriginal peoples in order to modify or implement new measures where required; Supporting the implementation of adaptive management measures to address previously unanticipated adverse environmental effects with respect to Aboriginal peoples or unanticipated adverse impacts to Aboriginal rights; Verifying measures identified to prevent and mitigate potential adverse effects of the project on potential or established Aboriginal and Treaty rights; and Providing information that can be used to improve and/or support future EAs and Aboriginal consultation processes. Where appropriate, the follow-up program can also encompass measures identified to address public concerns identified in section 11.3 of the EIS Guidelines 	25		
EIS0194	11.5	Proponent Commitments	Proponent commitments identified in the EIS, including environmental mitigation measures to address public and Aboriginal peoples concern, and follow-up program elements, may be considered for inclusion as conditions in the EA decision statement and/or as part of other compliance and enforcement mechanisms. Each commitment will be specific, achievable, measurable and verifiable, and described in a manner that avoids ambiguity in intent, interpretation and implementation.	26.6		
EIS0195	12.1.1	Residual Environmental Effects	After having established the technically and economically feasible mitigation measures, the EIS will present any residual environmental effects of the project on the biophysical and human environments after these mitigation measures have been taken into account. The residual effects, even if very small or deemed insignificant will be described.	5.8 to 5.9 [6 to 19].8 [6 to 18].9 [6 to 16].10 11.11 17.7 18.10 19.8		
EIS0196	12.1.2	Cumulative Environmental Effects	The proponent will identify and assess the project's cumulative effects using the approach described in the Agency's Operational Policy Statement Addressing Cumulative Environmental Effects under the Canadian Environmental Assessment Act	21.2 21.3		
EIS0197	12.1.2	Cumulative Environmental Effects	The EIS will describe the analysis of the total cumulative effect on a VC over the life of the project, including the incremental contribution of all current and proposed physical activities, in addition to that of the project. The EIS will include different forms of effects (e.g. synergistic, additive, induced, spatial or temporal) and identify impact pathways and trends.	5.10 [6 to 10].11 11.12 [12 to 16].11 17.10 18.11 19.9 21.5 to 21.18		
EIS0198	12.1.2	Cumulative Environmental Effects	The EIS will include a narrative discussion of existing projects in the vicinity of the proposed project. The narrative will include the description of any existing studies of changes to the environment resulting from those projects that are similar to potential changes resulting from the project, including any mitigation measures that were implemented, and any long term monitoring or follow up program that were conducted. The effectiveness of those mitigation measures and key results of monitoring or follow-up programs will be described. This narrative discussion should include historical data, where available and applicable, to assist interested parties in understanding the potential effects of the project and how they may be addressed.	5.10.2 21.4		
EIS0199	12.1.3	Summary of Residual Environmental Effects	In addition, the EIS will summarise the residual and cumulative environmental effects identified in relation to the categories of environmental effects specified in sections 10.1.2 and 10.1.3 of the EIS Guidelines: • Changes to components of the environment within federal jurisdiction.	26.2		

ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0200	12.1.3	Summary of Residual Environmental Effects	In addition, the EIS will summarise the residual and cumulative environmental effects identified in relation to the categories of environmental effects specified in sections 10.1.2 and 10.1.3 of the EIS Guidelines: • Changes to the environment that would occur on federal or transboundary lands.	26.2		
EIS0201	12.1.3	Summary of Residual Environmental Effects	In addition, the EIS will summarise the residual and cumulative environmental effects identified in relation to the categories of environmental effects specified in sections 10.1.2 and 10.1.3 of the EIS Guidelines: • Changes to the environment that are directly linked or necessarily incidental to federal decisions.	26.2		
EIS0202	12.1.3	Summary of Residual Environmental Effects	In addition, the EIS will summarise the residual and cumulative environmental effects identified in relation to the categories of environmental effects specified in sections 10.1.2 and 10.1.3 of the EIS Guidelines: • Effects of changes to the environment on Aboriginal peoples.	26.3		
EIS0203	12.1.3	Summary of Residual Environmental Effects	In addition, the EIS will summarise the residual and cumulative environmental effects identified in relation to the categories of environmental effects specified in sections 10.1.2 and 10.1.3 of the EIS Guidelines: • Effects of changes to the environment that are directly linked or necessarily incidental to federal decisions.	26.5		
EIS0204	12.2	Outstanding Aboriginal Issues	This section will describe, from the perspective of the proponent, the potential adverse impacts on potential or established Aboriginal and Treaty rights and related interests that have not been fully mitigated as part of the environmental assessment and associated consultations with Aboriginal groups. This includes potential adverse impacts (on potential or established Aboriginal and Treaty rights and related interests) that may result from the residual and cumulative environmental effects described in section 10.2 of the EIS Guidelines.	20.17		
EIS0205	12.3	Outstanding Public Concerns	This section will describe the outstanding public concerns in relation to the project that have not been resolved as a result of changes to the project, mitigation measures, or public consultation.	n/a		
EIS0206	13.1.1	Significance of Adverse Environmental Effects Methodology	This section will provide a detailed analysis of the significance of the residual and cumulative environmental effects that are considered adverse, using the approach described in the Agency's Reference Guide Determining Whether a Project is Likely to Cause Significant Adverse Environmental Effects	5.9.1 5.10.5 [6 to 16].9, [6 to 16].11 17.8, 17.10 18.9, 18.11 21.5 to 21.18		
EIS0207	13.1.1	Significance of Adverse Environmental Effects Methodology	The EIS will identify the criteria used to assign significance ratings to any predicted adverse effects. It will contain clear and sufficient information to enable the Agency, technical and regulatory agencies, Aboriginal groups and the public to review the proponent's analysis of the significance of effects. The proponent will define the terms used to describe the level of significance. The following elements should be used in determining the significance of residual effects: • Magnitude; • Geographic extent; • Duration and frequency; • Reversibility; • Ecological and social context; and • Existence of environmental standards, guidelines or objectives for assessing the impact.	5.9.1 5.10.5 [6 to 16].9, [6 to 16].11 17.8, 17.10 18.9, 18.11		

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ID		Section	Requirement	Application/ EIS Section	Application/ EIS Appendix	Comments
EIS0208	13.1.1	Significance of Adverse Environmental Effects Methodology	In assessing significance against these criteria the EIS will, where possible, employ relevant existing regulatory documents, environmental standards, guidelines, or objectives such as prescribed maximum levels of emissions or discharges of specific hazardous agents into the environment. The EIS will contain a section which explains the assumptions, definitions and limits to the criteria mentioned above in order to maintain consistency between the effects on each VC. Where significant adverse effects are identified, the EIS will set out the probability (likelihood) that they will occur, and describe the degree of scientific uncertainty related to the data and methods used within the framework of its environmental analysis.	5.9.1 5.10.5 [6 to 16].9, [6 to 16].11 17.8, 17.10 18.9, 18.11		
EIS0209	13.1.2	Summary of Significant Adverse Environmental Effects	In addition, the EIS will summarise the significant adverse environmental effects identified in relation to the categories of environmental effects specified in sections 10.1.2 and 10.1.3 of the EIS Guidelines: • Changes to components of the environment within federal jurisdiction; • Changes to the environment that would occur on federal or transboundary lands; • Changes to the environment that are directly linked or necessarily incidental to federal decisions; • Effects of changes to the environment on Aboriginal peoples; and • Effects of changes to the environment that are directly linked or necessarily incidental to federal decisions.	26.5		
EIS0210	14	Summary Tables	The EIS will contain a series of tables summarising the following key information: • Potential environmental effects (section 10.1), adverse impacts on potential or established Aboriginal and Treaty rights and related interests (section 10.2 of the EIS Guidelines), and public concerns (section 10.3 of the EIS Guidelines).	26.5		
EIS0211	14	Summary Tables	The EIS will contain a series of tables summarising the following key information: • Proposed mitigation measures and commitments (section 11.5) by proponent to address potential impacts on environment, (section 11.1 of the EIS Guidelines), Aboriginal rights (section 11.2 of the EIS Guidelines) and public concerns (section 11.3 of the EIS Guidelines), and follow-up program (section 11.4 of the EIS Guidelines).	26.5		
EIS0212	14	Summary Tables	The EIS will contain a series of tables summarising the following key information: • Potential residual and cumulative environmental effects (section 12.1 of the EIS Guidelines) and the significance of the residual environmental effects (section 13.1 of the EIS Guidelines), outstanding Aboriginal issues (section 12.2 of the EIS Guidelines) and outstanding public concerns (section 12.3 of the EIS Guidelines).	26.5		
EIS0213	14	Summary Tables	The EIS will contain a series of tables summarising the following key information: • Comments from the public and responses.	2.6	2-F 2-G	
EIS0214	14	Summary Tables	The EIS will contain a series of tables summarising the following key information: • Comments from Aboriginal groups and individuals and responses.	2.6	2-D 2-E 2-H	
EIS0215	14	Summary Tables	The EIS will contain a series of tables summarising the following key information: • Relationship of the identified VCs (section 7.1.1 of the EIS Guidelines) to Aboriginal groups' potential or established Aboriginal and Treaty rights and related interests (section 9.2 of the EIS Guidelines).	26.3		
EIS0216	15.1	Changes to the Project since Initially Proposed	The EIS will include a summary of the changes that have been made to the project since originally proposed, including the benefits of these changes to the environment, Aboriginal peoples, and the public.	ExS 26.5		
EIS0217	15.2	Benefits of the Project	The EIS will include a section describing the predicted environmental, economic and social benefits of the project. This information will be considered in assessing the justifiability of the significant adverse environmental effects, if necessary	1.7		
EIS0218	16	Monitoring Program and Environmental Management Plans	In the EIS, the proponent will describe the monitoring activities at all stages of the project, the proponent's proposed commitment to implementing these activities and the resources provided for this purpose. The program will need to provide the key information such as contacts, protocols, measured parameters, deadlines, intervention in case of non-compliance with legal requirements and production of monitoring reports.	24 25		