newgold™ Rainy River Project

APPENDIX B-2

CONCORDANCE TABLE WITH ENVIRONMENTAL IMPACT STATEMENT GUIDELINES

APPENDIX B-2
CONCORDANCE TABLE: FINAL ENVIRONMENTAL ASSESSMENT REPORT, VERSION 1, WITH PART 2 OF THE *GUIDELINE FOR THE PREPARATION OF AN ENVIRONMENTAL IMPACT STATEMENT**

	ABBREVIATIONS
ARD / ML	Acid Rock Drainage / Metal Leaching
CEAA	*Canadian Environmental Assessment Act, 2012*
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
EA	Environmental Assessment
EIS	Environmental Impact Statement
MMER	Metal Mining Effluent Regulations
NOx	Nitrogen Oxides
NPAG	Non-potentially Acid Generating
NWWG	National Wetlands Working Group
PAG	Potentially Acid Generating
PM	Particulate Matter
QA / QC	Quality Assurance / Quality Control
Ref	Reference
RRGP	Rainy River Gold Project
RRR	Rainy River Resources
SARA	*Species at Risk Act*
TIA	Tailings Impoundment Area
TSP	Total Suspended Particulates
UTM	Universal Transverse Mercator
VC	Valued Component
VEC	Valued Ecosystem Component
VSEC	Valued Socio-economic Component

***** Copy of Guideline provided in Appendix B-1

	CONCORDANCE TABLE ORGANIZATION
App	Appendix
[App _]	Appendix in a report contained in Volume 3+ (Appendices) of the Environmental Assessment (ie. an appendix in an appendix to the Environmental Assessment Report)
(FS)	Figure in Volume 1 (Summary) of Environmental Assessment Report
F	Figure in Volume 2 (Main Text) of Environmental Assessment Report
[App_ F_]	Figure located in a report contained in Volume 3+ (Appendices) of the Environmental Assessment Report (ie. a figure in an appendix to the Environmental Assessment Report)
(S_)	Section in Volume 1 (Summary) of Environmental Assessment Report
S	Section in Volume 2 (Main Text) of Environmental Assessment Report
[App_ S_]	Section in a report contained in Volume 3+ (Appendices) of the Environmental Assessment Report (ie. a section in an appendix to the Environmental Assessment Report)
T	Table in Volume 2 of Environmental Assessment Report, unless otherwise noted
[App_ T_]	Table in a report contained in Volume 3+ (Appendices) of the Environmental Assessment Report (ie. a table in an appendix to the Environmental Assessment Report)
(V1)	Volume 1: Summary of Environmental Assessment Report (Environmental Impact Statement)
[V3+]	Volume 3+: Appendices of Environmental Assessment Report (Environmental Impact Statement)
'_'	Underscore is used in referencing multiple sections, to reflect the heading level that changes (for example: S7._.1, represents S7.1.1, 7.2.1, 7.3.1...)

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
	4. SUMMARY OF ENVIRONMENTAL IMPACT STATEMENT		
1.	Prepare a summary of the EIS in both of Canada's official languages (French and English), including:	V1	Complete
2.	- a concise description of all key components of the project and related activities	(S6.2)	Complete
3.	- 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	(S4)	Complete
4.	- an overview of the key environmental effects and mitigation measures	(S9)	Complete
5.	- the proponent's conclusions on the residual environmental effects and the significance of adverse environmental effects	(S9.2, 12.2)	Complete
6.	Strongly recommended that the proponent translate the summary into appropriate Aboriginal language(s)	NA	RRR has had no requests for translation of EA documentation to Aboriginal language(s)
	5. INTRODUCTION AND PROJECT OVERVIEW		
	5.1 Geographical Setting		
7.	The EIS should contain a concise description of the geographical setting in which the project will take place...	S1.4	Complete
8.	The following information will be included: - environmentally sensitive areas, such as national, provincial and regional parks, ecological reserves, wetlands, estuaries, and habitats of provincial or federally listed species at risk and other sensitive areas	S1.4	Complete
9.	- current land use in the area and the relationship of the project facilities and components with any federal lands	S1.4, 1.5	Complete
10.	- local and Aboriginal communities	S1.4, 5.11	Complete
11.	- traditional Aboriginal territories, treaty lands, Indian reserve lands	S1.4, 5.11, 5.15	Complete
12.	- the UTM coordinates of the main project site	S1.4	Complete
13.	- the environmental significance and value of the geographical setting in which the project will take place and the surrounding area	S1.4	Complete
14.	Provide expanded description and mapping of the project location, including each of the project components as outlined in section 5.6... 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.	S4, F4-1	Complete
15.	Site plans / sketches and photographs should be included	(FS-2), F4-1, AppA	Complete
	5.2 Regulatory framework and the role of government		
16.	This section should identify, for each jurisdiction, the government bodies involved in the EA as well as the EA processes	S1.6, 2.2	Complete
17.	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	S1.6, 15	Complete
18.	- the environmental and other specific regulatory approvals and legislation that are applicable to the project at the federal, provincial, regional and municipal levels	S15.1, 15.2, 15.3	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
19.	- government policies, resource management, planning or study initiatives pertinent to the project and/or EA and discuss their implications	S5.13; and others	Complete; provided throughout the EA Report as appropriate
20.	- policies and guidelines of the Aboriginal groups being consulted that are pertinent to the project and/or EA and discuss their implications	-	None provided to date
21.	- any treaty or self government agreements with Aboriginal groups that are pertinent to the project and/or EA	S5.12.1	Complete
22.	- any relevant Land Use Plans, Land Zoning, or Community Plans	S5.13	Complete
23.	- major components of the project and identify those being applied for and constructed within the duration of approvals under provincial and federal legislation	S15	Complete
24.	- in a summary form 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	S5, 7	Complete; provided throughout the EA Report as appropriate
25.	The parameters and approach of the Environmental Effects Monitoring program under MMER should be considered when developing a baseline monitoring program for the aquatic environment	S2.9.3, 5.8	Complete; see also AppI-2, AppI-3, AppI-4
	5.3 Participants in the environmental assessment		
26.	Clearly identify the main participants in the EA including jurisdictions other than the federal government, Aboriginal groups, community groups, and environmental organizations	S2	Complete
	5.4 The proponent		
27.	- provide contact information (e.g. name, address, phone, fax, email)	S1.1	Complete
28.	- identify itself and the name of the legal entity that would develop, manage and operate the project	S1.1	Complete
29.	- explain corporate and management structures, as well as insurance and liability management related to the project	S1.1	Complete
30.	- specify the mechanism used to ensure that corporate policies will be implemented and respected for the project	S1.1, 13.14	Complete
31.	- summarize key elements of its environment, health and safety management system and discuss how the system will be integrated into the project	S1.1, 13.14	Complete
32.	- identify key personnel, contractors, and/or sub-contractors responsible for preparing the EIS	S17	Complete
	5.5 Purpose of the project		
33.	Provide the rationale for the project, explaining the background, the problems or opportunities that project is intended to satisfy and the stated objectives.	S1.2	Complete
	5.6 Project components		
34.	Describe the project, by presenting the project components,	S4.1 to 4.17	Complete
35.	associated and ancillary works, activities,	S4.17	Complete
36.	scheduling details, the timing of each phase of the project and other characteristics that will assist in understanding the environmental effects	S4.18	Complete
37.	- tailings management facility (foundation conditions, hazard classification, location, preliminary designs, tailings properties, tailings water seepage)	S4.8, AppW-1	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
38.	- waste rock and overburden storage and stock piles (locations, volumes and development plans; geotechnical conditions, seismicity and design criteria, description of waste water management components of the project);	S4.6, 4.12	Complete
39.	- open pit and underground mine (development plans including pit phases, phase designs, pit design including slopes, design standards, geotechnical and hydrogeological considerations)	S4.3, 4.4	Complete
40.	- water management (pit water and/or underground mine water); and,	S4.12, AppW-1	Complete
41.	- permanent and temporary access infrastructure, identifying the route of each access road, the location and types of structure used for stream crossings	S4.10, 4.15	Complete
	5.7 Project activities		
42.	Expanded descriptions of the construction, operation, maintenance, foreseeable modifications,	S4.18	Complete
43.	and where relevant, closure, decommissioning and restoration of sites and facilities associated with the proposed project	S4.19, AppE	Complete
44.	Include a detailed schedule including time of year, frequency, and duration for all project activities	S4.18, F4-14	Complete
45.	Provide the preliminary outline of a decommissioning and reclamation plan for any components associated with the project	S4.19, AppE	Complete
46.	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	S1.1, 1.5, 4.15, 4.16, 4.18, 4.19, AppE	Complete
	6. SCOPE OF PROJECT		
47.	Includes the components, physical activities and federal decisions listed in Sections 5.6 and 5.7	S15.2, T15-1	Complete
	7. SCOPE OF ASSESSMENT		
	7.1 Factors to be considered		
48.	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*. A list of minimum required VCs are provided in Section 9.1.	S7.1, 7.2	Complete
49.	The proponent will describe how other VCs were selected and what methods were used to predict and assess the adverse environmental effects of the project on these components	S7.1, 7.2	Complete
50.	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. Indicate to whom these concerns are important and the reasons why, including Aboriginal, social, economic, recreational, and aesthetic considerations	S7.2.1, AppD-7	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
51.	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	S3.3 to 3.5, AppD-1 to D3, D8, D11	Complete
52.	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	S3.3 to 3.5, AppD-1 to D3, D8, D11	Complete
53.	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	S9, AppU	Complete
54.	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	S9, AppU	Complete
55.	Describe the safeguards that have been established to protect against such occurrences and the contingency/emergency response procedures in place	S9._._.3	Complete
56.	Detailed contingency and response plans should be presented	S9._._.3, S13.14, AppV	Complete
57.	The EIS will take into account how local conditions and natural hazards, such as severe and/or extreme weather conditions and external events... could adversely affect the project and how this in turn could result in impacts to the environment...	S8.2, 8.4	Complete
58.	Longer-term effects of climate change will also be discussed up to the projected post-closure phase of the project... include a description of climate data used	S8.5, AppW-2	Complete
59.	Provide details of a number of planning, design and construction strategies intended to minimize the potential environmental effects of the environment on the project	S7	Complete; throughout section as appropriate
	7.2 Scope of the factors		
60.	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	S5.1, F5-1, F5-2	Complete
61.	The temporal boundaries of the EA should 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	S4.18, 7.1.2	Complete
	8. ALTERNATIVE MEANS OF CARRYING OUT THE PROJECT		
62.	Identify and consider the effects of alternative means of carrying out the project that are technically and economically feasible	S6.1.1, AppO	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
63.	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 - 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 - 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 - determine criteria to examine the effects of each remaining alternative means to identify the preferred means	S6.1.1, 6.1.2, 6.1.3, 6.2	Complete; see also AppC-1 (Approved ToR) which defined the alternative assessment process by means of a government, public and Aboriginal review process; as well as the alternatives to be considered in the EA Report
64.	In its alternative means analysis, the proponent will address, as a minimum, the following project components: - open pit or underground extraction method	S6.3, AppO TO-1	Complete
65.	- ore processing methods	S6.6, AppO TO-4	Complete
66.	- waste rock and tailings disposal	S6.5, 6.8, AppO TO-3, TO-6	Complete
67.	- contaminated water treatment	S6.4, 6.7, 6.8, 6.12, AppO TO-2, TO-5	Complete
68.	- ore transportation, etc.	S6.3.3	Complete
69.	- energy sources for the mine complex operations	S6.17, AppO TO-13, TO-14	Complete ; see also AppC-1 [S5.3.12, AppC] (Approved ToR) which defined the alternatives to be considered in the EA Report, through a government, public and Aboriginal review process

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
70.	- location of infrastructure related to the mine and the operation of the mine	S6.9, 6.15, 6.17, AppO TO-7 to TO-14	Complete; see also AppC-1 [S5.3.12, S5.3.13, AppC, AppD] which defined the alternatives to be considered in the EA Report, through a government, public and Aboriginal review process
71.	- including the location of the final effluent discharge point	S4.12.6, App W-1	Complete
72.	- location and layout of the mine site	S6.9, AppO TO-7 to TO-14	Complete
73.	- transportation routes for mine materials including any goods needed to operate the mine	S6.16	Complete
74.	- worker accommodations and transportation	S4.9, S6.16	Complete
	8.1 Assessment of alternatives for mine waste disposal		
75.	The proponent is strongly encouraged to include MMER requirements for an assessment of alternatives for mine waste disposal in the EIS. The proponent needs to undertake a robust and thorough assessment of mine waste disposal alternatives, which applies methodology that is provided in Environment Canada's Guidelines for the Assessment of Alternatives for Mine Waste Disposal (2011)	AppP	Complete
	9. BASELINE CONDITIONS		
	9.1 Existing environment		
76.	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 EIS	S5, S5.1, S5._	Complete
77.	The proponent should take an ecosystem approach that considers both scientific and traditional knowledge and perspectives regarding ecosystem health and integrity	S5.2	Complete
78.	Include environmental conditions resulting from historical and present activities in the local and regional scale	S5.1, S5.2	Complete
79.	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	S5.2	Complete
80.	The proponent will consider the resilience of relevant species populations, communities and their habitats	S5.8 to S5-10	Complete; see also AppI-2 and 3; AppJ-2 to J-5; and AppK-1 to 3
81.	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	S5, S5.2	Complete; see also AppI-2 and 3; AppJ-2 to J-5; and AppK-1 to 3

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
82.	Habitat at regional and local scales should be defined in ecological mapping of aquatic and terrestrial vegetation types and species	S5.1	Complete; see also AppI-2 and 3; AppJ-2 to J-5; and AppK-1 to 3
83.	Habitat use should be characterized by type of use... frequency and duration. Cover all relevant seasonal variations in the use by all VCs as appropriate... emphasis must be on those species, communities and processes identified as VCs	S5	Complete; see also AppI-2 and 3; AppJ-2 to J-5; and AppK-1 to 3
84.	Interrelations of these components and their relation to the entire ecosystem and communities of which they are a part will be indicated	S5	Complete; see also AppI-2 and 3; AppJ-2 to J-5; and AppK-1 to 3
85.	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	S5	Complete; see also AppI-2 and 3; AppJ-2 to J-5; and AppK-1 to 3
86.	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.	S5	Complete; see also AppI-2 and 3; AppJ-2 to J-5; and AppK-1 to 3
	The EIS will describe the following:		
87.	- ambient air quality in the project areas and, for the mine site, the results of a baseline survey of ambient air quality, focusing on the contaminants, TSP, $PM_{2.5}$, PM_{10} and NOx	S5.3.3, T5-15, T5-17, AppF	Complete
88.	- 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	S5.3.4, AppF	Complete
89.	- 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 should describe night-time illumination levels during different weather conditions and seasons	S5.3.2	Complete
90.	- historical records of total precipitation (rain and snow), mean, max and min temperatures	S5.3.1, T5-9, T5-10, T5-11, T5-13 AppF	Complete
91.	- a discussion of the soils, surficial sediments, bedrock and host rock geology of the deposit which includes geological maps of appropriate scale and cross-sections.	S5.4, F5-7, F5-8, AppG [S2], AppH [S3], AppN [S8]	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
92.	- 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.	S5.4, AppH [S3]	Complete
93.	- geomorphology and topography at areas proposed for construction of major project components	S5.4.4, F4-1, F5-6	Complete
94.	- bedrock lithology, morphology, geomorphology and soils where earthworks are proposed	S5.4, AppG [S2], AppN [S8]	Complete
95.	- a discussion of geological hazards that exist in the project area: - history of seismic activity in the area	S5.4.2	Complete
96.	- isostatic rise or subsidence	S5.4.4	Complete
97.	- landslides (including rockslides)	S9.2.1, S9.2.3	Complete; not applicable; slope failure addressed
98.	- suitability of topsoil and overburden for use in the re-vegetation of surface-disturbed areas	S4.19.2, S5.4.6, AppN [S8]	Complete
99.	- sites of paleontological or palaeobotanical significance	5.4.2	Complete
100.	- a characterization of the geochemical composition of expected mine materials such as waste rock, ore, low grade ore, tailings, overburden and potential construction material, which should include:	S5.5, AppG [S7]	Complete
101.	- mineralogy	S5.5.1, AppG [S7.2.4, S7.5.4]	Complete
102.	- elemental composition of lithologies in study area (major and trace elements)	S5.5.3, AppG [S7]	Complete
103.	- potential for acid generation, neutralization and contaminated neutral drainage	S5.5.2, 5.5.6, AppG [S7]	Complete
104.	- the type and method used for the ARD/ML prediction and possible mitigation measures	S5.5.2, 5.5.6, AppE [S4.8] AppG [S6.2, S6.3]	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
105.	- waste rock, tailings and low grade ore: - characterization	S5.5, AppG [S7.2, S7.3, S7.4]	Complete
106.	- volumes	S4.6, 4.8	Complete
107.	- segregation/disposal method mitigation/management plans	S4.6.2, 4.8	Complete
108.	- contingency plans	S9.4.1.3, 13.14	Complete
109.	- operational and post-closure monitoring and maintenance plans	S13.4, 13.14, AppE [S6]	Complete
110.	- assessment of short term metal leaching properties	S5.5.4, AppG [S7]	Complete
111.	- longer term kinetic testing to evaluate rates of acid generation (if any) and metal leaching	S5.5.6, AppG [S7]	Complete
112.	- 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, etc.)	S4.6.2	Complete
113.	- sensitivity analysis to assess the effects of imperfect segregation of waste rock	S4.6.2. AppG [S8.2.1]	Complete
114.	- estimates of the potential for mined materials (including waste rock, tailings and low grade ore) to be sources of ARD or ML; estimates of potential time to the onset of ARD or ML; and the ability to prevent or control ARD and ML during operation and post-closure	S5.5, AppG [S7, S8.3]	Complete
115.	- pit water chemistry during operation and post-closure, and pit closure management measures (e.g. flooding). This will include geochemical modelling of pit water quality in the post-closure period	S4.5, AppE [S4.1] AppT [S5.2]	Complete
116.	- surface and seepage water quality from the waste rock dumps, tailings/waste rock impoundment facility, stockpiles and other infrastructure during operation and post-closure	S7.5.1, 7.6.1.2, 7.7.1, AppT [S5.1, S5.3]	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
117.	- ARD/ML prevention/management strategies under a temporary or early closure scenario, including low grade ore	S4.19.2	Complete; further detail will be provided in the Closure Plan required pursuant to the *Mining Act* prior to start of construction.
118.	- quantity and quality of leachate from samples of tailings, waste rock, and ore	S5.5.4, 5.5.6, AppG [S7], AppT [S5]	Complete
119.	- quantity and quality of effluent to be released from the site into the receiving waters	S7.5.1, 7.6.1.2, 7.7.1, AppT [S5]	Complete
120.	- quality of humidity cell or column test liquid from acid rock	S5.5.6, AppG [S7.3, S7.6]	Complete
121.	- baseline mapping and description of landforms and landform processes and soils within the local and regional project area	S5.4.4, AppN [S8], AppH [S3]	Complete
122.	- 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	AppN [S8]	Complete
123.	- sedimentological and geochemical characteristics of surficial sedimentary units and soils	S5.5.2.1, S5.7.1, AppG [S7.1], AppH [S3] AppN [S8]	Complete
124.	- a description/details of soil sample analysis completed and the quality assurance/quality control program followed	S5.5, AppG [S5.2.1], AppN	Complete
125.	- a summary of the baseline data on the concentration of trace elements in site soils prior to project development	S5.5, AppG [S7.1] AppN [S8]	Complete
126.	If there is permafrost in the study area the EIS will include...	S5.4.6	Complete; no permafrost in the area / not applicable

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
127.	Water Resources: - the hydrogeologic conditions at the site. It will examine all available existing hydrogeology information required to assess the effects of the project	S5.7, AppH [S2.4]	Complete
128.	- 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	S5.7.3, 5.7.4, AppS	Complete
129.	- 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	S5.7.3, 5.7.4, AppS	Complete
130.	- a sensitivity analysis will be performed to test model sensitivity to climatic variations (e.g., recharge) and hydrogeologic parameters (e.g., hydraulic conductivity)	S5.7.3, 5.7.4, AppS	Complete
131.	- describe groundwater sources used as drinking water in the study area (e.g. well water), their current use and potential for future use. The baseline will provide a basis for assessment of potential impacts to drinking water in the study area	S5.7.5, S5.7.6, S7.7	Complete
132.	- maps showing groundwater divides and areas of recharge and discharge, with project components overlain	AppS	Complete
133.	- hydrogeologic maps and cross-sections for the mine area to outline the extent of aquifers and aquitards, including bedrock fracture and fault zones, locations of wells, springs, surface waters, and project facilities. Groundwater levels, potentiometric contours and flow directions should be included	F5-8, AppH [3-3 to 3-12], AppS [F3-2 to 4-4]	Complete
134.	- 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 and Quality Assurance/Quality Control (QA/QC) procedures followed	AppH, AppN	Complete
135.	- a review of the physical geography and the geology of the area as it pertains to local and regional groundwater flow systems and aquifer/aquitard systems	AppH [S2, S3]	Complete
136.	- location and description of all groundwater monitoring wells with respect to project facilities, including diameter and screen depth and intercepted aquifer unit (zone)	AppH [S2.6]	Complete
137.	- a description of baseline groundwater level data for regional and local flows in all aquifer units (overburden and bedrock units)	S5.7.2.3, AppH [S3]	Complete
138.	- a description of monitoring protocol for collection of existing groundwater	S13.6.2, AppH [S3.3.1]	Complete
139.	- measurements of hydraulic conductivity for all hydrogeological units in the project area	AppH	Complete
140.	- modelling of baseline hydrogeological conditions (refer to hydrogeological modeling section)	S5.7.3, 5.7.4, AppS	Complete
141.	- seasonal variations in groundwater levels, flow regime, and quality	AppH [S3]	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
142.	- groundwater interactions with surface water, including discharge to surface water and baseflow calculations	AppS	Complete
143.	- a description of local and regional potable groundwater supplies, including their current use and potential for future use, as appropriate	S5.7.6	Complete
144.	- baseline analysis of groundwater 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 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 surficial and bedrock aquifers	S5.7.6, AppH [S3.5, AppF]	Complete
145.	- bedrock fracture sizes and orientations in relation to groundwater flow	AppH [S2.2]	Complete
146.	- evaluation of discharge rates	S4.12.6	Complete
147.	The EIS should describe - surface water quality,	S5.6.3 AppI-2 [S3, S5, T5-1, AppD, AppI], AppI-3 [S3, S5, AppB, AppH] AppI-4 [T3-1] AppN [S11, AppI]	Complete; extensive water quality data is available as summarized in the Environmental Assessment Report and detailed in various appendices.
148.	- hydrology and	S5.6.1, 5.6.2, AppW-1	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
149.	- sediment quality within the area of influence of the project	S5.8.2 to 5.8.17, AppI-2 [S3], AppI-3 [S3], AppN [S11] AppI-4 [S3]	Complete
150.	Furthermore, the EIS will describe: - the delineation of drainage basins, at appropriate scales	S5.6.1, F5-6	Complete
151.	- the assessment of hydrological regimes	S5.6.2, AppW-1	Complete
152.	- flows or design peak flows for selected periods for the project area	S5.6.2, AppW-1	Complete
153.	- interactions between surface water and groundwater flow systems under pre-development conditions and potential impacts on these interactions during the various phases of the project	AppS	Complete
154.	- any local and regional potable surface water resource	AppH [S2.6]	Complete
155.	- seasonal water quality field and lab analytical results and interpretation at several representative local stream and lake monitoring stations established at the project site	S5.6.3, AppI-2, AppI-3, AppN	Complete
156.	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 NWWG (1997))	S5.9.2	Complete
157.	An overview of the key plant communities and animals that rely on wetlands will be presented	S5.9.2, 5.10	Complete
158.	Describe the limnology, hydrology, freshwater biota, 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	S5.8.1 to 5.8.17, AppI-1, AppI-2, AppI-3, AppI-4, AppN	Complete
159.	- characterize fish populations on the basis of species and life stage for affected water bodies (i.e., project footprint, upstream and downstream)	S5.8.2 to 5.8.17, AppI2-, AppI-3, AppI-4	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
160.	- classify and quantify fish habitat, as per the standard methods available from the Ontario Ministry of Natural Resources such as the Aquatic Habitat Inventory Manual or Ontario Stream Assessment Protocol	S5.8.1 to 5.8.17, AppI-2, AppI-3, AppI-4	Complete
161.	- list any rare fish or mussel species that are known to be present	S5.8.19	Complete
162.	- identify any potential water bodies and fish habitat sites that could be rehabilitated for possible habitat gains to offset losses from the project	S7.5.4, AppX-1, AppX-2, AppX-3	Complete; extensive discussions have been held with Fisheries and Ocean Canada in this regard separate from the EA Report.
163.	Document the physical and biological characteristics of the fish habitat likely to be directly or indirectly affected by the project	S5.8.1 to 5.8.17, 7.5, 7.6, AppI-2, AppI-3, AppI-4	Complete
164.	Illustrate, on a topographic scale map, the hydrographic network (water bodies and watercourses), including intermittent streams, flood risk areas and wetlands. It must also indicate the boundaries of the watershed and subwatersheds of the study area.	F5-6	Complete
165.	For all the watercourses and water bodies on which effects are anticipated, the EIS must 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	S5.8.1 to 5.8.17, AppI-2, AppI-3, AppI-4, AppN	Complete
166.	- 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)	S5.8.16, 5.8.17, AppI-2, AppI-3, AppI-4, AppN	Complete
167.	- monthly/seasonal/annual water flow (discharge) data, including minimum and maximum flows	S5.6.2, AppW-1	Complete
168.	- natural obstacles (e.g. falls, beaver dams) or existing structures (e.g. water crossings) that hinder the free passage of fish	S5.8.1.1, AppI-2, AppI-3, AppI-4, AppN	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
169.	- preparation of habitat maps at a suitable scale indicating the amount of habitat for spawning, nursery, feeding, migration routes, etc. This information should be linked to water depths (bathymetry) to identify the extent of a lake's littoral zone	AppI-2, AppI-3, AppI-4, AppN	Complete
170.	Fish sampling survey methods used must be described	S5.8.2 to 5.8.18, AppI-2, AppI-3, AppI-4, AppN	Complete
171.	If studies on fish and fish habitat were carried out previously, they are to be submitted with the EIS	AppI-2, AppI-3, AppI-4, AppN	Complete
172.	For all watercourses or water bodies on which the project is likely to have effects, the EIS must: - describe the fish species present on the basis of the surveys carried out and the data available. Identify the sources of the data and provide the information concerning the fishing carried out	S5.8.2 to 5.8.17, AppI-2, AppI-3, AppI-4, AppN	Complete
173.	- specify the location and surface area of potential or confirmed fish habitats and describe how they are used by fish	S7.5.1.1, 7.5.1.2, 7.5.1.3, 7.5.1.4, 7.6.1.3	Complete
174.	- 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	S5.8.19	Complete; no fish SAR found in NLSA. Three Lake Sturgeon were found during the 2013 survey in the lower Pinewood River within NRSA
175.	- document any blasting activity near water where vibrations may affect fish behaviour, such as spawning or migrations	NA	Complete; blasting is expected to meet the *Guidelines for the Use of Explosives In or Near Canadian Fisheries Waters*.
176.	- for sites where stream crossings are to be installed, constructed or modified, determine the need to ensure free passage of fish.	S4.15, AppY-2	Complete; crossings are assumed to require free passage of fish

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
177.	The EIS will describe migratory and non-migratory birds (including waterfowl, raptors, shorebirds, marsh birds and other land birds), ungulates, furbearers, amphibians, small mammals, and their habitat at the project site and within the local and regional areas	S5.10, AppJ-2, AppJ-3, AppJ-4, AppJ-5, AppK-1, AppK-2, AppK-3, AppK-4, AppK-5, AppN	Complete
178.	The results of any baseline surveys will be included	S5, AppI-2, AppI-3, AppI-4, AppJ-2, AppJ-3, AppJ-4, AppJ-5, AppK-1, AppK-2, AppK-3, AppK-4, AppK-5, AppN	Complete
179.	Preliminary data from existing sources should be gathered on year-round migratory bird use of the area. In addition to information obtained from naturalists, other relevant datasets should be consulted.	S5.2.12, 5.10.3, AppJ-2, AppJ-3, AppJ-4, AppJ-5, AppK-1, AppK-2, AppK-3, AppK-4, AppN	Complete
180.	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*. 2010)	S5.2.12, AppJ-2, AppJ-3	Complete; methodology discussed with EC; protocol generally followed.

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
181.	Other wildlife and their habitat that could be impacted by project activities will be characterized using existing data, supplemented by surveys as appropriate	S5.10, AppJ-2, AppJ-3, AppJ-4, AppJ-5, AppK-1, AppK-2, AppK-3, AppK-4, AppK-5, AppN	Complete
182.	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 (eg. furbearers such as black bear and wolf)	S5.10.2, AppN	Complete
183.	Include consideration of existing or proposed protected areas, special management areas, and conservation areas in the regional study area	S5.13.3	Complete
184.	- 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	S5.8.19, 5.9.2.2, 5.9.3, 5.10.6, AppI-4, AppK-1, AppK-2, AppK-3, AppK-4, AppK-5	Complete
185.	- provide assessments of regional importance, abundance and distribution that optimize the ability to detect all species at risk and sufficient survey effort to obtain comprehensive coverage	S5.8.19, 5.10.6, AppK-1, AppK-2, AppK-3, AppK-4, AppK-5	Complete
186.	- 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	S5.8.19, 5.10.6, AppK-1, AppK-2, AppK-3, AppK-4, AppK-5	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
187.	The following information sources on species at risk and species of conservation concern should be consulted: SARA, COSEWIC, relevant Government agencies, local naturalist and interest groups, Aboriginal groups and First Nations	S5.8.19, 5.10.6, AppI-4, AppK-1, AppK-2, AppK-3, AppK-4, AppK-5	Complete
188.	Describe potential or known plant species in the project area, which are listed under the SARA or other provincial or territorial endangered species legislation, and critical habitat that are likely to be affected by the project	S5.9.3, AppJ-1, AppN	Complete
189.	Species selected within each biotic VC should include those of importance to health and socio-economic conditions, cultural heritage and the current use of land and resources for traditional purposes by Aboriginal persons	S7.2.1	Complete
190.	The following VCs should be identified and described in the relevant sections of the EIS: - land use context	S1.5, 5.13, 7.18	Complete; examples of key sections are provided.
191.	- land and water access to the area and modes of travel	S5.14.4	Complete; there is no real water access for transportation purposes.
192.	- health and socio-economic conditions, including any commercial and/or recreational lake, stream fisheries, farms and recreation tenures potentially affected by the Project.	S1.5, 5.14, 7.18, 7.20	Complete
193.	- physical and cultural heritage, including structures, sites or things of historical, archaeological, paleontological or architectural significance	S5.4.2, 5.15, 5.16, 7.22	Complete
194.	- current use of land and resources for traditional purposes by Aboriginal persons	S5.12, 7.17	Complete
195.	- navigable waters, in describing how the project may impede navigation, the EIS will: identify any Project components that will affect waterways and water bodies, including a description of any activities (e.g., dredging, alteration of water bed and/or water banks) that may affect waterways and water bodies;	S4.10, 4.15, T15-1	Complete
196.	- 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	S5.12.1, 7.17	Complete
197.	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	S5.14, AppL	Complete
198.	Provide information on heritage resources, including structures, sites or things of historical, archaeological, paleontological or architectural significance	S5.4.2, 5.15, 5.16	Complete
199.	In describing current uses of land and resource by Aboriginal groups for traditional purposes... include activities related, but not limited, to hunting, fishing, trapping, cultural and other traditional uses of the land	S5.12, 7.17	Complete
200.	Potential effects on current uses include access to areas that are of importance or concern to Aboriginal groups	S5.12, 7.17	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
	9.2 Potential or established Aboriginal and Treaty rights and related interests		
201.	Engage with Aboriginal groups whose potential or established Aboriginal rights and Treaty rights and related interests may be affected by the project. Include at a minimum the following groups: Naicatchewenin First Nation, Rainy River First Nation, Anishinaabeg of Naongashiing First Nation, Big Grassy River First Nation, Ojibways of Onigaming First Nation, Naotkamegwanning First Nation, Métis, Mitaanjigamiing First Nation, Couchiching First Nation, Buffalo Point First Nation, Northwest Angle No.33 First Nation, Northwest Angle No.37 First Nation, Anishinabe of Wauzhushk, Onigum First Nation, Lac La Croix First Nation, Seine River First Nation and Nigigoonsiminikaaning First Nation	S2.3, 3, AppD-1	Complete
202.	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	S3.4.3.1, AppC-1 [S9.2, AppF]	Complete; AppC-1 includes a copy of the Consultation and Engagement Plan - Aboriginal Groups.
203.	Hold meetings and facilitate these by making plain language EA outline documents (which include information on the baseline studies, the EIS and key findings) available in English and Ojibwe, not to exceed ten pages in length	(S4)	Complete; AppD-7: posters have also been presented summarizing baseline data. There have been no requests for translated documents to date.
204.	If requested by a community, a translator may also be required to facilitate communications during these meetings	NA	Complete; not requested to date.
205.	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	S5.11	Complete
206.	Include for each Aboriginal group: - background information and, a map of the group's traditional territory	S5.11	Complete; no maps have been made available to RRR showing traditional territories to date.
207.	- a summary of engagement activities conducted prior to the submission of the EIS, including the date and means of engagement	S3.2.1, AppD-1	Complete
208.	- information on each group's potential or established rights (including geographical extent, nature, frequency, timing), including maps and data sets when this information is provided by a group to the proponent	S5.11	Complete; no maps have been made available to RRR showing traditional territories to date.
209.	- an overview of key comments and concerns provided by each group to the proponent	S3.3 to 3.7, AppD-1	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
210.	- responses provided by government and/or the proponent, as appropriate	S3, T3-1 to 3-6 AppD-1	Complete
211.	- future planned engagement activities	S3.7, AppC-1 [S9.3, AppF]	Complete; AppC-1 includes a copy of the Consultation and Engagement Plan - Aboriginal Groups.
	10. EFFECTS ASSESSMENT		
	10.1 Environmental effects		
212.	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	S7	Complete; per Section 7.1.2, the effects assessments are for the expected maximum effect, anticipated expected to occur during any stage of the RRGP life. Maximum effects for virtually all VECs and VSECs are typically associated with the operation phase.
213.	Include, for each potential project-related environmental effect, an indication of the nature of the effect, mechanism, magnitude, direction, duration, frequency and timing, geographic extent, and the degree to which it may be reversible	S7, T7-1, T7-2, T7-47 to T7-56, AppO	Complete
214.	Consider both the direct and indirect, reversible and irreversible, short- and long-term environmental effects of the project	S7, T7-1, T7-2, T7-47 to T7-56, AppO	Complete
215.	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	S7, T7-1, T7-2, T7-39, T7-40, AppO	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
216.	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	S7, T7-1, T7-2, T7-47 to T7-56, AppO	Complete
217.	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	AppQ, AppR-1, AppR-2 AppS, AppT, AppU	Complete
218.	The proponent is expected to employ standard ecological risk assessment frameworks that categorize the levels of detail and quality of the data required for the assessment: 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); Tier 3: Quantitative (recent field surveys and detailed quantitative methods)	S7.1	Complete
219.	An impact matrix methodology in combination with identification of VCs should be used to evaluate environmental effects. 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 effects; ranking of each residual adverse environmental effect based on various criteria; determination of the potential significance of any residual environmental effect following the implementation of mitigation	S7	Complete
220.	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	S6, AppC-1 (S5.1)	Complete
221.	- outline and justify the assumptions made about the effects of all aspects of the project and the approaches to minimize these effects	S7	Complete
222.	- ensure that in designing and operating the project, priority has been and would be given to strategies that avoid the creation of adverse effects	S6.2.2	Complete
223.	- develop contingency plans that explicitly address accidents and malfunctions	S9.2._.3, 9.3._.3, 9.4._.3, AppV	Complete
224.	- identify any proposed follow-up and monitoring activities, particularly in areas where scientific uncertainty exists in the prediction of effects	S13.2 to 13.14	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
225.	Describe any change that may be caused by the project (as scoped in Section 6) on the environment, which is defined as the components of the Earth, including: - land, water and air, including all layers of the atmosphere	S7	Complete
226.	- all organic and inorganic matter and living organisms	S7	Complete
227.	- the interacting natural systems that include the components described above	S7	Complete
228.	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	S7.5, 7.6, 7.12	Complete
229.	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)	S7.24, 11	Complete
230.	Include a stand-alone section that describes any change that may be caused by the project on the environment that is directly linked or necessarily incidental to these decisions	S11, T11-2 to T11-5	Complete
231.	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	S11, T11-2 to T11-5	Complete
232.	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)	S11, T11-2 to T11-5	Complete
	10.2 Adverse impacts on Aboriginal and Treaty rights and related interests		
233.	Describe 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	S7.17	Complete
234.	- 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	S7.17	Complete
235.	- 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	S3 (various), 7._._.2 or 7._.2, T11-6, AppD-1	Complete
236.	- VCs suggested for inclusion in the EIS, whether or not those factors were included, and the rationale for any exclusions	AppD-1, D-2, D-3	Complete
237.	- 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	S7.1.1.2. 7.2.2	Complete; TK provided in other sections as relevant.

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
238.	- efforts undertaken to engage with Aboriginal groups as part of collecting the information identified above	S3, 5.11, 5.12, AppC-1 [S9.3, AppF], AppD-1	Complete; AppC-1 includes a copy of the Consultation and Engagement Plan - Aboriginal Groups.
	10.3 Public concerns		
239.	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	S3 (various), 7._._.2 or 7._.2, T11-6, AppD-2, AppD-3	Complete
	11. MITIGATION		
	11.1 Environmental mitigation		
240.	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...describe its environmental protection plan and its environmental management system, through which it will deliver this plan	S7._.3 or S7._._.3, S13.15	Complete
241.	Describe mitigation measures that are specific to each environmental effect identified in section 10.1... written as specific commitments that clearly describe how the proponent intends to implement them	S7._.3 or S7._._.3	Complete
242.	Where mitigation measures have been identified in relation to species and/or critical habitat listed under the *Species at Risk Act*, the mitigation measures should be consistent with any applicable recovery strategy and action plans	S7.15._.3, 7.16._.3	Complete
243.	Describe proponent commitments, policies and arrangements directed at promoting beneficial or mitigating adverse socio-economic effects. 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.	S7.19.3, 7.20._.3, 14, T14-1	Complete
244.	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	S7._.3 or 7._._.3	Complete
245.	Present an assessment of the effectiveness of the proposed technically and economically feasible mitigation measures. Indicate what other technically and economically feasible mitigation measures were considered, including the various components of mitigation, and explain why they were rejected	S7._.3 or 7._._.3, T7-47 to T7-56	Complete
246.	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 should be clearly and concisely described	S7._.3 or S7._._.3	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
247.	Summarise the mitigation measures, follow-up and related commitments identified to address the categories of environmental effects specified in section 10: - changes to components of the environment within federal jurisdiction	T11-2, T11-3, T14-1, T14-2	Complete
248.	- changes to the environment that would occur on federal or transboundary lands	T11-2, T11-3	Complete
249.	- changes to the environment that are directly linked or necessarily incidental to federal decisions	T11-2, T11-3	Complete
250.	- effects of changes to the environment on Aboriginal peoples	T11-2, T11-3	Complete
251.	- effects of changes to the environment that are directly linked or necessarily incidental to federal decisions	T11-2 T11-3	Complete
	11.2 Measures to address impacts on Aboriginal rights		
252.	Describe 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 ... written as specific commitments that clearly describe how the proponent intends to implement them	S7.17, T14-2	Complete
253.	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	S3 (various), 7._._.2 or 7._.2, AppD-1	Complete
254.	- 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	S7.17	Complete
255.	- any potential cultural, social and/or economic impacts or benefits to Aboriginal groups that may arise as a result of the project	S7.19, 7.20	Complete
256.	- where and how Aboriginal traditional knowledge or other Aboriginal views were incorporated into the mitigation of environmental effects of potential adverse impacts on potential or established Aboriginal and Treaty rights and related interests	S7.1.1.2	Complete; TK provided in other Section 5 as relevant.
257.	- efforts undertaken to engage with Aboriginal groups as part of developing the information identified above	S3, 5.11, AppC-1, AppD-1	Complete
258.	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. Describe all efforts, successful or not, taken to solicit the information required to prepare the EIS	S3, 5.11, AppC-1 [S9.3, AppF], AppD-1	Complete; AppC-1 includes a copy of the Consultation and Engagement Plan - Aboriginal Groups.

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
259.	The proponent will structure its Aboriginal engagement activities to provide adequate time for Aboriginal groups to have reviewed 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	S3, AppD-1	Complete Note: a draft EA Report was issued to Aboriginal groups approximately 60 days prior to submission of the draft EA Report to government agencies and the public.
	11.3 Measures to address public concerns		
260.	Describe measures identified for addressing public concerns in relation to the project identified in section 10.3... written as specific commitments that clearly describe how the proponent intends to implement them	S3, 7._._.2 or 7._.2, T14-1, AppC-1, AppD-1	Complete; AppC-1 includes a copy of the Consultation and Engagement Plans.
261.	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	S3.7, AppC-1 [S9.3, AppE, AppF]	Complete; AppC-1 includes a copy of the Consultation and Engagement Plans.
262.	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	S3, T11-1 AppD	Complete
263.	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	S3, AppC-1, AppD	Complete
	11.4 Follow-up program		
264.	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	S13	Complete
265.	Include specific commitments that clearly describe how the proponent intends to implement them	S13, 14	Complete
266.	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)	S13.2 to 13.14	Complete
267.	Describe the reporting methods to be used, including frequency, methods and format	S13._.4	Complete
268.	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	S13._.2	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
269.	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	S13._.2	Complete
270.	Include a schedule indicating the frequency and duration of effects monitoring	S13._.2	Complete
271.	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	S13._.3	Complete
272.	The Follow up Program must 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 - providing information that can be used to improve and/or support future EAs and Aboriginal consultation processes	S13.9	Complete
	11.5 Proponent commitments		
273.	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 should be specific, achievable, measurable and verifiable, and described in a manner that avoids ambiguity in intent, interpretation and implementation	S14, T14-1, T14-2	Complete
	12. RESIDUAL EFFECTS		
	12.1 Residual and cumulative environmental effects		
274.	Present any residual environmental effects of the project on the biophysical and human environments after mitigation measures have been taken into account...even if very small or deemed insignificant should be described	S11, T11-2, T11-3, T11-4, T11-5	Complete
275.	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* (November 2007)	S10	Complete
276.	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. Include different forms of effects (e.g. synergistic, additive, induced, spatial or temporal) and identify impact pathways and trends	S10.4	Complete
277.	Include a narrative discussion of existing projects in the vicinity of the proposed project	S10.2, 10.3	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
278.	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	Not applicable	Complete
279.	Summarise the residual environmental effects (including cumulative environmental effects) identified in relation to the categories of environmental effects specified in sections 10.1.2 and 10.1.3: - changes to components of the environment within federal jurisdiction	S11, 11.2 T11-2, T11-3	Complete
280.	- changes to the environment that would occur on federal or transboundary lands	S11, 11.2, T11-2, T11-3	Complete
281.	- changes to the environment that are directly linked or necessarily incidental to federal decisions	S11.1, 11.2, T11-2, T11-3	Complete
282.	- effects of changes to the environment on Aboriginal peoples	S11.1, 11.2, T11-2, T11-3	Complete
283.	- effects of changes to the environment that are directly linked or necessarily incidental to federal decisions	S11.1, 11.2, T11-2, T11-3	Complete
	12.2 Outstanding Aboriginal issues		
284.	Describe 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	S11.4, T11-6	Complete
285.	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	S11.1, 11.2, T11-2, T11-3	Complete
	12.3 Outstanding public concerns		
286.	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	S11.4, T11-6	Complete
	13. SIGNIFICANCE DETERMINATION		
	13.1 Significance of adverse environmental effects		
287.	Provide a detailed analysis of the significance of the residual environmental effects (including cumulative environmental effects) that are considered adverse, using the approach described in the Agency's Reference Guide Determining Whether a Project is Likely to Cause Significant Adverse Environmental Effects (November 1994).	S10, 11, T11-3, T11-4	Complete

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
288.	The following elements should be used in determining the significance of residual effects: magnitude; geographical extent; timing, duration and frequency; reversibility; ecological and social context; and existence of environmental standards, guidelines or objectives for assessing the impact	S7.1.2	Complete
289.	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	S7.1.2	Complete
290.	The EIS should 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	S7.1.2	Complete
291.	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	S7._._4 7._.4. S7._._5 or 7._.5. T7-47 to T7-56	Complete
292.	Summarise the significant adverse environmental effects identified in relation to: - changes to components of the environment within federal jurisdiction	S11.3, T11-4, T11-5	Complete
293.	- changes to the environment that would occur on federal or transboundary lands	S11.3, T11-4, T11-5	Complete
294.	- changes to the environment that are directly linked or necessarily incidental to federal decisions	S11.3, T11-4, T11-5	Complete
295.	- effects of changes to the environment on Aboriginal peoples	S11.3, T11-4, T11-5	Complete
296.	- effects of changes to the environment that are directly linked or necessarily incidental to federal decisions	S11.3, T11-4, T11-5	Complete
	14. SUMMARY TABLES		
297.	The EIS should 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) and public concerns (section 10.3)	T7-47 to T7-56	Complete
298.	- proposed mitigation measures and commitments (section 11.5) by proponent to address potential impacts on environment (section 11.1), Aboriginal rights (section 11.2) and public concerns (section 11.3), and Follow-up Program (section 11.4)	T7-47 to T7-56, S13.2 to 13.13	Complete; follow-up program provided in Section 13

#	GUIDELINE COMMENT	EA REF	STATUS OR COMMENTS
299.	- potential residual and cumulative environmental effects (section 12.1); outstanding Aboriginal issues (section 12.2) and outstanding public concerns (section 12.3)	T11-2, T11-3, T11-4, T11-5, T11-6	Complete
300.	- comments from the public and responses	T3-1, 3-2, 3-6, 3-8 AppD-3, AppD-8 AppD-11	Complete
301.	- comments from Aboriginal groups and individuals and responses	T3-3, 3-4, 3-5 AppD-1, AppD-11	Complete
302.	- relationship of the identified Valued Components (section 7.1.1) to Aboriginal groups' potential or established Aboriginal and Treaty rights and related interests (section 9.2)	T11-2, T11-3, T11-4, T11-5	Complete
303.	Proponent commitments may be considered for inclusion as conditions in the EA decision statement and/or as part of other compliance and enforcement mechanisms	T14-1, 14-2	Complete
	15. BENEFITS TO CANADIANS		
	15.1 Changes to the project since initially proposed		
304.	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	S11.1, T11-1	Complete
	15.2 Benefits to the project		
305.	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	S12.1	Complete; also, S7.19, S7-20
	16. MONITORING AND ENVIRONMENTAL MANAGEMENT PLANS		
306.	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	S13.2 to 13.14	Complete
307.	Provide the key information such as contacts, protocols, measured parameters, deadlines, intervention in case of non-compliance of legal requirements and production of monitoring reports	S13.14, AppV	Complete