CCS SUNRISE SECURE LANDFILL

SUPPLEMENTAL INFORMATION REQUIREMENTS

With Respect to

an Application

for an Environmental Assessment Certificate

pursuant to the Environmental Assessment Act, S.B.C. 2002, c.43

Prepared by:

CCS Corporation

March 26, 2010
CCS Corporation (Proponent) is proposing to establish a secure landfill west of Dawson Creek, British Columbia. The CCS Sunrise Secure Landfill (proposed Project) proposed locations are SW05-079-16-W6M (55.8132°N, 120.4644°W) and SE08-079-16-W6M (55.8289°N, 120.4608°W). The Proponent will be assessing these two sites to determine the optimal location of the proposed Project and only the chosen site will be brought forward for application. The proposed Project would be a secure landfill for the storage, treatment or disposal of hazardous waste and as such, constitutes a Reviewable Project as defined by the Reviewable Projects Regulation (B.C. Reg. 370/02). On November 20, 2009, the Environmental Assessment Office (EAO) issued a section 10 Order under the B.C. Environmental Assessment Act S.B.C. 2002, c. 43 (the Act) stating that the proposed Project requires an Environmental Assessment (EA) Certificate before proceeding with any further project development.

The EA conducted by the Proponent will utilize, and build upon, the EAO’s Secure Landfills Common Issues and Commitments Report (CIC Report). The CIC Report summarizes the EA of proposed secure landfill projects, and identifies commonalities that exist throughout all secure landfills. The CIC report focuses on identifying the common concerns and issues, common mitigation measures, and the resulting commitments.

In the Proponent Proposal letter to the EAO, the Proponent provides an overview as to what sections of the CIC Report will be considered applicable to the proposed Project without further study, and also what sections will be subject to further information gathering and study. The Proposal letter also identifies issues not addressed in the CIC Report, but require additional study and information gathering based on consultation efforts with the public and/or government agencies.

These draft Supplemental Information Requirements (dSIRs) have been prepared in accordance with the EAO issued section 11 Order dated January 18, 2010 to identify the issues to be addressed and the information to be provided in the Application for an Environmental Assessment Certificate (Application) required to proceed with the proposed Project under the Act. The dSIRs and subsequent Application, if accepted for review, will serve to identify additional issues and mitigative measures not established in the CIC Report. The SIRs will also allow for input from government agencies, First Nations, the public, and other interested parties.

If the dSIRs are approved, the Proponent will continue to conduct environmental assessment work identified in the dSIRs in order to develop the Application.
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PREFACE

The Application will include a Preface that will provide the following:

- state that the proposed Project is subject to review under the BC Environmental Assessment Act (Act) and the trigger for the review under the Act;
- indicate whether or not the Proposed Project is subject for review under the Canadian Environmental Assessment Act (CEAA) and provide an explanation of why this is the case;
- state that the Application has been developed pursuant to the dSIR approved by EAO with input from the Canadian Environmental Assessment Agency (CEA Agency) and complies with relevant instructions provided in the Section 11 Order;
- state that the Application has been developed pursuant to federal information requirements as communicated by the CEA Agency and/or federal responsible authorities;
- identify the agencies, First Nations and other parties involved in the development of the Application; and
- provide a table of concordance that cross-references the information presented in the Application with the information requirements identified in the approved SIR document.

ACRONYMS

A list of abbreviations will be provided in the Application. It will be based on, but not limited to, the following list developed for the dSIR.

AIR: Application Information Requirements
BC: British Columbia
BCEAA: British Columbia Environmental Assessment Act
BMP: best management practices
CEAA: Canadian Environmental Assessment Act
CEA Agency: Canadian Environmental Assessment Agency
CIC Report: Common Issues and Commitments Report
dSIR: draft Supplemental Information Requirements
EA: Environmental Assessment
EAO: Environmental Assessment Office
SIR: Supplemental Information Requirements

EXECUTIVE SUMMARY

An Executive Summary of the Application will be prepared that presents the following information:

- a brief description of the proposed Project;
PART A – INTRODUCTION AND BACKGROUND

This section will provide general background information on the Proponent, the proposed Project and its rationale, the applicable regulatory regimes, and the purpose and organization of the Application. It will also summarize past and proposed notification, information distribution, and consultation activities in relation to the proposed Project.

1 Purpose of the Application

- Discuss the purpose of the Application; and
- Indicate that the Application fulfills the federal requirements for an EA decision, in addition to the BC EA process, if applicable.

2 Proposed Project Overview

2.1 Proponent Description

The Proponent owns and operates 20 engineered landfills and operates 6 additional landfills under contract in western Canada. The Proponent also owns and operates 22 treatment, recovery and disposal (TRD) facilities, 5 water disposal facilities and 3 cavern facilities in western Canada. The Proponent’s engineered landfill facilities use the best available siting, design, and construction practices to ensure secure containment of wastes and protection of the environment.

The Proponent is the industry leader in waste management with an excellent track record and unparalleled experience. The Proponent currently owns and operates the only two secure landfills in British Columbia, the Silverberry Secure Landfill near Fort St. John, and the Northern Rockies Secure Landfill near Fort Nelson. With the Sunrise Secure Landfill, the Proponent will bring the same standards for siting, construction, engineering, quality assurance and operational excellence to northeastern British Columbia in the most efficient and environmentally responsible manner possible.

Full legal name: CCS Corporation

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 Calgary, Alberta
 T2P 3S8
2.2 Proposed Project Description and Scope

- Reference the BC EA trigger;
- Location of the proposed Project and the longitude and latitude of the sites and maps showing both regional context (identify nearby communities) and site-specific settings;
- Identify the distance to nearby communities and note the communities on the regional map;
- Describe all of the on-site components and associated on-site and off-site infrastructure and other facilities associated with the proposed Project, and include figures of components;
- Describe the activities associated with construction, operation and decommissioning of the proposed Project and provide figures of activities; and
- Briefly describe the environmental management system and adaptive management approach for the proposed Project.

2.3 Alternative Means of Undertaking the Proposed Project

- A description of any proposed Project alternatives considered, including alternate site locations;
- Identify the key issues in considering the alternative approaches for carrying out the proposed Project;
- An analysis of the alternative approaches to carrying out the proposed Project that are technically and economically feasible; and
- Identify the rationale for selecting the preferred alternative.

2.4 Proposed Project Land Use

- Describe the land ownership and land use regime (e.g., fee simple, Crown land, Indian Reservation, description of zoning, Agricultural Land Reserve designation, applicable Land and Resource Management Plans and other land use designations as applicable) including tenures, licenses, permits or other authorizations that would be potentially affected by the proposed Project and report on the status of consultations with holders of such tenures and permits, and private land owners on resolving issues with tenure and permit holders;
• Identify the Land and Resource Management Plans that the proposed Project overlaps and list the management objectives of the Land and Resource Management Plans;
• Reference existing and proposed management and monitoring programs or regional studies;
• Identify other developments, even if not directly related to the proposed Project, that may result in overlapping impacts with the proposed Project; and
• Consider future developments that are reasonably foreseeable and sufficiently certain to proceed.

2.5 Proposed Project Benefits

• A summary of the direct and indirect employment in person-years for each stage of the proposed Project including the construction, operation, decommissioning, and reclamation phases (where applicable), including occupation, and skilled or general labour;
• A summary of the capital investment required for the proposed Project including the construction, decommissioning, and reclamation phases (where applicable), and capital replacement costs over the life of the proposed Project;
• Estimate of the direct and indirect government revenues that would be expected over the life of the proposed Project, including:
  o Annual local government (regional district or municipal government) revenue. Revenue to local governments will be listed, including, but not limited to, business licensing, royalties, property taxes or any special service fees and charges;
  o Annual provincial government revenue; and,
  o A list of Provincial and Federal income tax revenue will be provided;
• Initial construction costs (capital costs plus labour):
• Costs incurred on the purchase of land, buildings, construction and equipment needed to bring the proposed Project to a commercially operable status plus the labour costs associated with initial construction;
• Annual operating costs:
• A list of proposed Project lease, licence and tenure fees, royalties, general taxes (e.g. school taxes and hospital taxes) or any other special taxes will be provided.
• All assumptions and information sources will be referenced;
• Estimate of the proposed Project contributions to the provincial gross domestic product;
• Proposed Project contributions to healthy living; and,
• Proposed Project contributions to community development.
2.6 **Applicable Permits**

- A list of all applicable provincial and federal licenses and permits required for the construction, operation, decommissioning, and reclamation of the proposed Project and the associated responsible regulatory agency; and
- Indication if a request for concurrent permitting is being requested under the BCEAA pursuant to the Concurrent Approval Regulation (BC Reg. 371/2002).

3 **Assessment Process**

3.1 **Provincial Review**

3.1.1 **Pre-Application Stage**

- A list of the agencies/ departments /organizations involved in the EA;
- A tabulated record to documented issues and concerns raised during the preparation of the SIR and the Application.

3.2 **Federal Review**

- A list of the agencies/ departments /organizations likely to be involved in the review, and their anticipated or confirmed roles
- A list and discussion of applicable federal milestones; and
- A tabulated record to document issues and concerns raised during the preparation of the SIR and the Application.

3.3 **First Nations Information Distribution and Consultation**

- A summary of consultation activities undertaken with the identified First Nations and Treaty Nations potentially affected by the proposed Project. Further detail on First Nations Consultation will be provided in the Part C of the Application.

3.4 **Public and Agency Information Distribution and Consultation**

- A summary of consultations with public and other key stakeholders, federal, provincial and local government agencies;
- A description of the means of information distribution and consultation used at public meetings and open houses; one-on-one meetings with interested parties; publication of articles in the media, enclosures and community newspapers; through interviews on local radio and television; and by means of participation in community events; and
- A summary of issues, concerns and interests identified during these consultations, and how these matters were addressed.

3.4.1 **Pre-Application Consultation**

- Summary of consultations with public and other key stakeholders;
• Summary of consultations with federal, provincial and local government representatives;

• Summary of responses provided regarding issues raised by the public and government agencies; and

• Indicate the degree to which issues are considered resolved or addressed by the Proponent and other parties.

3.4.2 Consultation Planned During Application Review

• Describe the public consultation program proposed for the Application review stage of the EA;

• Describe the proposed programs for consultation with government agencies; and

• Document the proposed methods and process to resolve outstanding issues.
PART B – ASSESSMENT OF POTENTIAL EFFECTS, MITIGATION, AND SIGNIFICANCE OF RESIDUAL EFFECTS

This section will describe the methods used to identify and assess the potential effects that may result from the proposed Project and to develop measures to avoid, reduce or otherwise mitigate or manage those potential effects. The procedures and methods of each assessment will follow relevant provincial and federal standards and guidance and be conducted under the direction of an appropriately qualified professional.

The assessment will consider potential environmental effects associated with the construction, operation, decommissioning and reclamation activities associated with the proposed Project. For the purposes of this assessment, the scope of the proposed Project consists of the on-site and off-site components and activities identified in the EAO issued section 10 Order dated November 20, 2009, and specified in the Preface to this document.

4 General

4.1 Assessment Methodology

- The scope of the assessment;
- Consideration of regulatory, public, and First Nations interests and issues;
- Methods used for assessing potential effects of the proposed Project, including the evaluation of the significance of effects (magnitude, probability, geographic extent, duration and frequency, reversibility and context) for construction, operation, and decommissioning phases of the proposed Project;
- For the baseline studies and assessment analysis provide a description/reference for each standard used; and
- A list of applicable provincially / regionally developed best management practices and guidance documents that will be implemented.

4.1.1 Spatial Boundaries

- Describe the local and regional spatial extent of the assessment relative to the parameters being assessed; and
- A map outlining the spatial extent of the regional and local study areas of the EA.

4.1.2 Temporal Boundaries

- Describe the temporal extent of the assessment relative to the parameters being assessed for each of the following phases of the proposed Project: pre-construction; construction; operations; decommissioning and closure; and post closure.
4.1.3 Assessment of Potential Significant Adverse Effects

- A summary relevant background information;
- Consider potential impacts of the proposed Project;
- Consider the potential cumulative impacts:
  - Examine relevant background information on each parameter being assessed including:
    - Examine approved land use plans that designate the most appropriate activities on the land base;
    - Review historical data, trends and comprehensive baseline studies which set out the current conditions and factor in effects of prior development;
  - Identify potential impacts of the proposed Project on the parameters being assessed;
  - Identify potential overlapping impacts due to other developments, even if not directly related to the proposed Project; and
  - Identify predicted impacts from future developments that are reasonable foreseeable and sufficiently certain to proceed.
- List the proposed mitigation measures including those considered in the design of the proposed Project, and those developed through the EA;
- Assess the potential for residual adverse effects, taking into account the mitigation measures proposed in the Application;
- Assess the potential additional mitigation measures required to address cumulative impacts; and
- Assess whether any residual adverse effects after mitigation including cumulative impacts would be significant by analysing the following factors:
  - **Magnitude:** This refers to the magnitude or severity of the effect. Low magnitude effects may have no impact, while high magnitude effects may have an impact.
  - **Probability:** The likelihood that an adverse effect will occur in circumstances where it is not certain that the effect will materialize.
  - **Geographic Extent:** This refers to the extent of change over the geographic area of the proposed Project. The geographic extent of effects can be local or regional. Local effects may have a lower impact than regional effects.
  - **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.

- **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.

- **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.

4.1.4 Cumulative Impacts and Cumulative Effects Scoping

- The methodology and rationale used to identify other developments, including reasonably foreseeable future developments that may, in concert with the potential effects of the proposed Project, lead to cumulative impacts or cumulative effects; and

- Describe the developments identified.
5 Assessment of Potential Environmental Effects

5.1 Environmental Context

A general description of the existing biophysical environment, including surrounding areas within the zone of potential influences of the proposed Project. This description will include identification of the Valued Environmental Components (VC) the Proponent will assess in the Application.

5.2 Air Quality

The Proponent will conduct an assessment of potential air emissions from the site. The Application will include the following information:

5.2.1 Baseline Information

- The rationale for choosing and assessing the specific VC;
- Detailed baseline information and its source; and
- Discuss past, present or future projects/activities that may impact air quality.

5.2.2 Potential Effects of the Proposed Project and Proposed Mitigation

The Proponent must commit to provide the following in the Application:

- Identify and analyze potential proposed Project effects for construction, operation, and decommissioning phases of the proposed Project; and
- Describe measures the Proponent will commit to undertake to mitigate proposed Project effects.

5.2.3 Residual Effects and their Significance

- Identify and quantify routine and worst case emissions from the operations and describe any potential residual effects (including potential cumulative impacts) after mitigation; and
- Discuss the significance of the potential residual effects of the proposed Project considering magnitude, probability, geographic extent, duration and frequency, reversibility and context.

5.2.4 Cumulative Impacts

- Identify and describe any potential contributions of the proposed Project to cumulative impacts in combination with other known past, present and foreseeable future projects or activities in the proposed Project area.
- Describe measures the Proponent will commit to undertaking to mitigate any cumulative impacts, if any.
5.2.5 Conclusion

- Summary of any potential residual effects of the proposed Project on air quality and their significance.

5.3 Surface Water Flow

The Proponent will conduct an assessment of the off-site surface water drainage patterns. This assessment will study the impacts to the flow regime resulting from the approved discharge of the run-off control system. The Application will include the following information:

5.3.1 Baseline Information

- The rationale for choosing and assessing the specific VC;
- Detailed baseline information and its source; and
- Discuss past, present or future projects/activities that may impact surface water flow.

5.3.2 Potential Effects of the Proposed Project and Proposed Mitigation

- Identify and analyze potential proposed Project effects for construction, operation, and decommissioning phases of the proposed Project;
- Describe measures the Proponent will commit to undertaking to mitigate proposed Project effects.

5.3.3 Residual Effects and their Significance

- Identify and describe any potential residual effects after mitigation; and
- Discuss the significance of the potential residual effects of the proposed Project considering magnitude, probability, geographic extent, duration and frequency, reversibility and context.

5.3.4 Cumulative Impacts

- Identify and describe any potential contributions to cumulative impacts in combination with other known past, present and foreseeable future projects or activities in the proposed Project area.
- Describe measures the Proponent will commit to undertaking to mitigate any cumulative impacts, if any.

5.3.5 Conclusion

- Summary of any potential residual effects of the proposed Project on surface water and their significance.
5.4 **Noise**

The Proponent will conduct an assessment of noise transmission from landfill operations and construction. The Application will include the following information:

5.4.1 Baseline Conditions

- The rationale for choosing and assessing the specific VC;
- Detailed baseline information and its source for the local and regional study areas identified for noise; and
- Discuss past, present or future projects/activities that may impact noise.

5.4.2 Potential Effects of the Proposed Project and Proposed Mitigation

- Identify and analyze potential proposed Project effects for construction, operation, and decommissioning phases of the proposed Project; and
- Describe measures the Proponent will commit to undertaking to avoid, minimize or otherwise mitigate potential proposed Project effects on noise.

5.4.3 Residual Effects and their Significance

- Identify and describe any potential residual effects after mitigation; and
- Discuss the significance of the potential residual effects of the proposed Project considering magnitude, probability, geographic extent, duration and frequency, reversibility and context.

5.4.4 Cumulative Impacts

- Identify and describe any potential contributions to cumulative impacts in combination with other known past, present and foreseeable future projects or activities in the proposed Project area.
- Describe measures the Proponent will commit to undertaking to mitigate any cumulative impacts, if any.

5.4.5 Conclusion

- A summary of any potential residual effects identified by the Proponent of the proposed Project relating to noise, and the significance of any potential residual effects.

5.5 **Environmental Benefits to Community**

The Proponent will conduct an assessment of how the proposed Project will benefit the community environmentally. The Application will include the following information:
5.5.1 Potential Benefits of the Proposed Project

- Identify potential environmental benefits to the community the proposed Project will provide throughout its life.

5.5.2 Residual Effects and their Significance

- Discuss the significance of the potential residual effects of the proposed Project considering magnitude, probability, geographic extent, duration and frequency, reversibility and context.

5.5.3 Cumulative Impacts

- Identify and describe any potential contributions to cumulative impacts in combination with other known past, present and foreseeable future projects or activities in the proposed Project area.

5.5.4 Conclusion

- A summary of any potential residual effects of the proposed Project benefitting the community and their significance.
6 Summary of Proposed Environmental and Operational Management Plans

The Proponent will provide the following in the Application:

- A list of all Environmental Management and Operational Plans for all phases of the proposed Project that would be needed for construction, operations and maintenance, and where relevant, decommissioning and reclamation.
7 Assessment of Potential Economic Effects

7.1 Economic Context

A general description of the existing economic conditions, including surrounding areas within the zone of potential influences of the proposed Project. This description will include identification of the Valued Economic Components (VEC) the Proponent will assess in the Application.

7.2 Economic Benefits to Community

The Proponent will conduct an assessment of how the proposed Project will benefit the community economically. The Application will include the following information:

7.2.1 Potential Benefits of the Proposed Project

- Identify potential benefits to the community the proposed Project will provide throughout its life, including construction and operations related employment.

7.2.2 Residual Effects and their Significance

- Discuss the significance of the potential residual effects of the proposed Project considering magnitude, probability, geographic extent, duration and frequency, reversibility and context.

7.2.3 Cumulative Impacts

- Identify and describe any potential contributions to cumulative impacts in combination with other known past, present and foreseeable future projects or activities in the proposed Project area.

7.2.4 Conclusion

- A summary of any potential residual effects of the proposed Project benefitting the community and their significance.

7.3 Land Values

The Proponent will assess the effects of the proposed Project on the surrounding land values. The Application will include the following information:

7.3.1 Potential Effects of the Proposed Project

- Identify and analyze potential proposed Project effects based on examining land value trends of property surrounding the Proponent’s currently operating landfills.

7.3.2 Residual Effects and their Significance

- Discuss the significance of the potential residual effects of the proposed Project considering magnitude, probability, geographic extent, duration and frequency, reversibility and context.
7.3.3 Conclusion

- A summary of any potential residual effects of the proposed Project on surrounding land values and their significance.

7.4 Land Use and Capability

The Proponent will assess the current land use and capability of the proposed Project area. This information will then be utilized to determine an appropriate closure design and end use for the proposed Project area. The Application will include the following information:

7.4.1 Baseline Conditions

- Assess the current land use of the proposed Project lands
- Assess the current land capability of the proposed Project lands

7.4.2 Post-capping Land Use and Land Capability

- Describe the typical capped landfill cell physical characteristics, and identify whether these characteristics are suitable for the above mentioned land use.
- Assess the post closure land capability.

7.4.3 Residual Effects and their Significance

- Discuss the significance of the potential residual effects of the proposed Project considering magnitude, probability, geographic extent, duration and frequency, reversibility and context.

7.4.4 Conclusion

- A summary of any potential residual effects of the proposed Project on post-closure land use and capability and their significance.
8 Assessment of Potential Social Effects

8.1 Social Context
A general description of the existing social conditions, including surrounding areas within the zone of potential influences of the proposed Project. This description will include identification of the Valued Social Components (VSC) the Proponent will assess in the Application.

8.2 Traffic
The Proponent will conduct a Traffic Impact Assessment (TIA) to assess whether traffic generated by the proposed Project can be accommodated on the adjacent roadway system. The Application will include the following information:

8.2.1 Baseline Conditions
- The rationale for choosing and assessing the specific VSC;
- Establish baseline traffic information on roadways adjacent to the proposed Project. This will involve a desktop review of existing data, field investigation, and analysis of predicted traffic data.

8.2.2 Potential Effects of the Proposed Project and Proposed Mitigation
- Describe the anticipated changes to traffic (e.g., type, volume, risk to safety) on highways, including an assessment of impacts for all stages of the proposed Project considering existing and planned uses of the same highway.
- Describe the measures the Proponent will commit to undertaking to mitigate proposed Project effects and cumulative impacts. This will include describing and mapping the locations of any new road or intersection construction and any improvements to existing roads or intersections related to the development of the proposed Project, from the boundary of the proposed Project Area up to and including the highway access.

8.2.3 Residual Effects and their Significance
- Identify and describe any potential residual effects after mitigation; and
- Discuss the significance of the potential residual effects of the proposed Project considering magnitude, probability, geographic extent, duration and frequency, reversibility and context.

8.2.4 Cumulative Impacts
- Identify and describe any potential contributions to cumulative impacts in combination with other known past, present and foreseeable future projects or activities in the proposed Project area.
• Describe measures the Proponent will commit to undertaking to mitigate any cumulative impacts, if any.

8.2.5 Conclusion

• A summary of any potential residual effects of the proposed Project on traffic levels of the adjacent highways and their significance.
9 Assessment of Potential Heritage Effects

9.1 Heritage Resources Context
A general description of the existing heritage resources, including surrounding areas within the zone of potential influences of the proposed Project. This description will include identification of the Valued Heritage Components (VHC) the Proponent will assess in the Application.

9.2 Archaeological Resources
The Proponent will conduct an Archaeological Impact Assessment (AIA) which will meet the reporting requirements of the Heritage Conservation Act. The Application will include the following information:

9.2.1 Baseline Case
- The rationale for choosing and assessing the specific VHC;
- The baseline identification will involve a desktop review where the Remote Access to Archaeological Data and Provincial Archaeological Report Library will be accessed to determine if there are previously recorded archaeological resources within or adjacent to the footprint.
- The results of the desktop review will be submitted to the BC Archaeology Branch who will determine if an AIA is warranted.

9.2.2 Potential Effects of the Proposed Project and Proposed Mitigation
- Describe the anticipated impacts to archaeological resources for all stages of the proposed Project.
- Describe the measures the Proponent will commit to undertaking to mitigate proposed Project effects.

9.2.3 Residual Effects and their Significance
- Identify and describe any potential residual effects after mitigation; and
- Discuss the significance of the potential residual effects of the proposed Project considering magnitude, probability, geographic extent, duration and frequency, reversibility and context.

9.2.4 Cumulative Impacts
- Identify and describe any potential contributions to cumulative impacts in combination with other known past, present and foreseeable future projects or activities in the proposed Project area.
• Describe measures the Proponent will commit to undertaking to mitigate any cumulative impacts, if any.

9.2.5 Conclusion

• A summary of any potential residual effects of the proposed Project on archaeological resources and their significance.
Valued Health Components include worker safety and health, recreational or aesthetic features, levels of physical activities in the region, and other features or indicators of community health and healthy living. The Proponent has accepted and committed to the majority of health effects commitments proposed in the CIC Report. The potential health effects that required further study and/or information gathering were Air Quality and Noise. The EA approach for these effects is outlined in section 5.
PART C – FIRST NATIONS INFORMATION REQUIREMENTS

11 Background Information

- Identify the First Nations and Treaty Nations that could be potentially impacted by the proposed Project in their asserted or established traditional territory; and
- Identify traditional use studies or other sources utilized to aid in the assessment of treaty rights and other interests which may be potentially affected by the project.

12 Aboriginal Rights and Treaty Rights

- Identify past, present and anticipated future uses of the proposed Project areas by aboriginal groups;
- Identify specific aboriginal and treaty rights (including title), currently being practiced or that could potentially be carried out in the future, which are potentially impacted by the proposed Project; and
- Describe mitigation measures to avoid or reduce such impacts.

13 Other Aboriginal Interests

- Identify aboriginal interests with respect to potential social, economic, environmental, heritage and health effects of the proposed Project; and
- Describe how these interests have been addressed.

14 Aboriginal Consultation

- A summary of past and planned aboriginal consultation activities; and
- A summary of key aboriginal issues and responses to these issues

15 Conclusions

- A summary of potential effects on aboriginal and or treaty rights/interests; and
- Identify in a table, specific commitments to address potential effects on those rights and interests.
PART D – FEDERAL INFORMATION REQUIREMENTS

16 Requirements for All Federal Environmental Assessment Types

16.1 Environmental Effects

The Proponent must commit to provide in the Application, a thorough examination of the potential environmental effects arising from the proposed Project, corresponding to the federal scope.

16.2 Environmental Changes

The Proponent must commit to provide in the Application a thorough description of any change that the proposed Project may cause in the environment corresponding to the federal scope.

16.3 Species at Risk

The Proponent must commit to provide in the Application a thorough description of any change that the proposed Project may cause to a listed wildlife species, its critical habitat or the residences of individuals of that species, as those terms are defined in subsection 2(1) of the federal Species at Risk Act.

16.4 Effects of the Environment on the Project

The Proponent must commit to provide the following in the Application:

- Identify the environmental factors deemed to have possible consequences on the proposed Project, including, but not necessarily limited to consideration of natural hazards such as: extreme weather events (lightning, heavy precipitation, extreme temperatures, flooding, and wind); natural seismic events; fire; slope stability and mass wasting events (e.g., debris flows/torrents; rock fall; snow avalanche); winter; and, climate change;
- Identify any changes or effects on the project that may be caused by the above-mentioned environmental factors, whether the changes or effects occur within or outside of Canada;
- Identify the likelihood and severity the changes or effects; and
- Identify mitigation measures, including design strategies, planned to avoid or minimize the likelihood and severity the changes or effects.

16.5 Accidents or Malfunctions

The Proponent must commit to provide the following in the Application:

- Consideration of the potential accidents, malfunctions and unplanned events that could occur in any phase of the proposed Project; the likelihood and
circumstances under which these events could occur; and the environmental effects that may result from such events, assuming contingency plans are not fully effective; and

• A description of how each potential accident, malfunction or unplanned event will be manager or mitigated.

16.6 Cumulative Environmental Effects

The Proponent must commit to provide in the Application a thorough description of any cumulative environmental effects that are likely to result from the project in combination with other projects or activities that have been or will be carried out.

17 Additional Requirements for Comprehensive Studies, Mediations and Review Panels

17.1 Alternative Means of Carrying Out the Project

The Proponent must commit to provide the following in the Application:

• Alternatives to the proposed Project and the reasons behind selecting the preferred option, as well as an analysis of the alternative means of carrying out the proposed Project that are technically and economically feasible and the environmental effects of any such alternative means.

17.2 Follow-Up Program

The Proponent must commit to provide the following in the Application:

• A detailed description of the planned follow-up program; the type, frequency and location of follow-up monitoring; and the planned approach to data management, analysis and reporting; and

• A summary of who will be responsible for implementing the various components of the follow-up program; and

• A description of how the results of the follow-up program will be used to inform an adaptive management approach, if applicable.

17.3 Capacity of Renewable Resources

The Proponent must commit to provide the following in the Application:

• An analysis of the capacity of renewable resources that is likely to be significantly affected by the proposed Project to meet the needs of the present and those of the future.
PART E – CONCLUSIONS

18 Summary of Residual Effects

- A summary of the environmental, economic, social, heritage or health effects that cannot be completely avoided or mitigated through the re-design or relocation of the proposed Project or through the implementation of control measures associated with ancillary activities.

19 Summary of Commitments

- A summary of the Proponent’s commitment to minimize the potential for the proposed Project to generate environmental, economic, social, heritage or health effects. The summary will include a table that identifies the specific commitments the Proponent will implement, and that would then become a schedule of an Environmental Assessment Certificate if a Certificate is issued, and would inform subsequent federal decision(s).

20 Conclusion

- The Proponent will state their request for an EA Certificate for the proposed Project and the need (if applicable) to successfully complete a federal EA and subsequent permitting / authorization processes prior to proceeding with proposed Project construction, operation and decommissioning, and reclamation.
REFERENCES
The Proponent must commit to provide a list of references used in developing the Application.

APPENDICES
The Proponent must commit to provide applicable appendices to the Application including where, in the course of developing an Application, information is prepared by professionals and provided under their professional seal, this should be noted in the Application and the sealed studies should be appended to the Application.