

Identifier	Topic	Reference to EIS/EA Report	Summary of Comment	CMC Response
EAB11-NEW	Climate Change Considerations		<p>In accordance with the Ministry priorities, EAs should examine the interrelations between components of the project and the environment, including how the project interrelates with climate change over time. This includes the integration of climate change considerations in terms of mitigation and adaptation) in EA reports.</p> <p>Mitigation – The Section 6.5 of the Atmospheric Environmental TSD discusses the potential effects of the project on climate change (e.g. greenhouse gases). This should be brought forward into the main body of the EA document for the purpose of clarity and transparency.</p> <p>Adaptation – The Ministry is interested in seeing designs or mitigation to meet extreme weather events (e.g. 1:500 year storm events). How will project design (e.g. tailings management areas) and decommissioning plans incorporate forecasted precipitation and extreme storms events linked to climate change?</p>	<p>A response to this comment was initially provided to the MOECC in a technical memorandum on August 29, 2016. The MOECC provided comment on this memorandum in a memorandum dated December 23, 2016. CMC subsequently responded with a second technical memorandum dated March 20, 2017. MOECC responded to this second memorandum in a letter dated April 28, 2017. The following response has been prepared in response to MOECC's April 28 letter. All correspondence identified above has been provided as an attachment to this response.</p> <p><u>Response to Request #1</u> CMC is committed to developing the project in a manner that is respectful to the environment and consistent with the initiatives presented in the Towards Sustainable Mining framework. CMC commits to reviewing the Towards Sustainable Mining framework during project planning and implementation to identify opportunities to reduce project related GHG emissions. This commitment will be added to the Commitments Registry.</p> <p><u>Response to Request #2</u> During the development of the detailed Environmental Emergency Plan, CMC will consider and include, where appropriate, relevant climate change-related impacts and weather event such as floods, droughts and extreme storms in the detailed plan for construction and operations. This commitment will be added to the Commitments Registry.</p> <p><u>Response to Request #3</u> Precipitation associated with extreme storms has been considered in the conceptual design of the water storage and conveyance infrastructure components (i.e., ponds, ditches, etc.). These considerations, such as design return periods and emergency provisions, were summarized in the Climate Resilience Assessment table in the August 29, 2016 memorandum. During the detailed design of these facilities, relevant or applicable design best practices related to climate change will be considered and incorporated. Impacts related to extreme precipitation has been considered in the EA through assessment of 100-year wet conditions in the Hydrology, Site Water Quality and Lake Water Quality TSDs.</p> <p>Although the design of the site infrastructure has not advanced to a state that would require consideration of wind forces, all buildings and other infrastructure that may be susceptible to wind forces will be designed and constructed in accordance with appropriate building code standards, including relevant design best practices related to climate change. The Atmospheric Environment TSD and associated emissions modelling assessment was completed conservatively and considered a continuous 5-year meteorological time series based on recent data (2005-2009) that included wind data. A draft Best Management Practices Plan (BMPP) for the control of fugitive dust has also been developed and provided as part of the EA. This BMPP includes control measures and a framework to review and improve the control measures, both with a regular frequency and in response to higher monitored dust events. This framework and process for continual improvement allows for potential changes to wind conditions that may result from climate change to be considered and appropriately mitigated.</p> <p>CMC commits to considering climate change, including related extreme weather events in advance of and during closure of the site to ensure that the most up to date information is considered during the detailed design of the closure and post-closure phases of the project. This commitment will be added to the Commitments Registry.</p> <p><u>Attachments:</u></p> <p>Technical Memorandum – Detailed Qualitative Climate Change Assessment - Hammond Reef Gold Project. August 29, 2016</p> <p>MOECC Memorandum – Hammond Reef Gold Mine EA – Comment on the Technical Memorandum “Detailed Qualitative Climate Change Assessment – Hammond Reef Project”. December 23, 2016</p> <p>Technical Memorandum – Responses to Comments on Qualitative Climate Change Assessment - Hammond Reef Gold Project. March 20, 2017</p> <p>MOECC Letter from Sasha McLeod. April 28, 2017</p>