



NATURAL RESOURCES CANADA - INVENTIVE BY NATURE

Natural Resources Canada's Pre-hearing Conference and Community Roundtable Presentation: Agnico Eagles Mines (AEM) Whale Tail Pit Project

Prepared for the Nunavut Impact Review Board

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Outline

1. Mandate and Role
2. Technical Review
 - Permafrost and Terrain Stability
 - Hydrogeology
3. Questions



NRCan's Mandate

- Enhance the responsible development, use and competitiveness of Canada's natural resources and products.
- Established leader in science and technology in the fields of earth sciences, energy, forests, and minerals and metals.



NRCan's Role in this Project

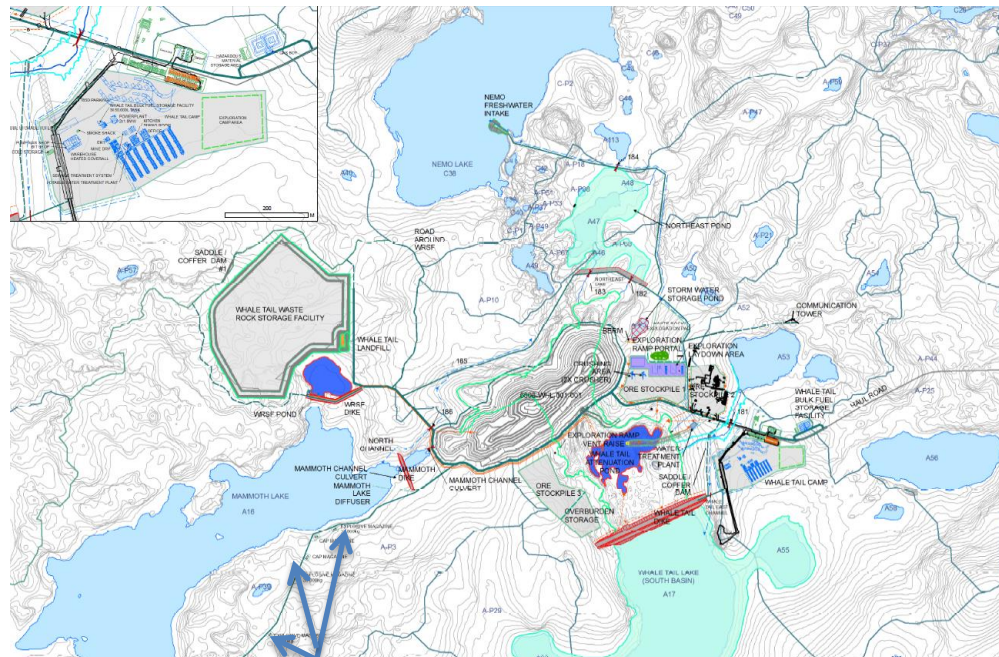
- *Explosives Act* and regulations
- Provision of scientific expertise:
 - Permafrost and terrain stability
 - Hydrogeology



Regulatory Review – Explosives

NRCan regulates the storage and manufacture of explosives through the federal *Explosives Act* . NRCan does not regulate the use of explosives.

NRCAN will ensure that the Proponent complies with licence conditions, guidelines and standards for the storage of explosives.



Permafrost and Terrain Stability

NRCan provides scientific expertise on permafrost and terrain stability. We conduct research to better understand how permafrost changes in time and space and its relationship to the surrounding environment.

Knowledge of permafrost and terrain conditions is required to design project facilities. It is essential to minimize the impacts of the project on the environment, and the impacts of the environment on the project.

NRCan recommends additional work on site and analyses to characterize permafrost presence and depth, including under Whale Tale Lake and in the waste rock storage facility.



Hydrogeology

NRCan provides scientific expertise in groundwater quantity and movement of groundwater flow.

Groundwater models are used to predict how mine workings and infrastructure may change groundwater movement, and how it this in turn may impacts surface water.

NRCan recommends that the proponent collect additional groundwater samples, and continue to use these results to update and improve the groundwater model.



Agnico Eagle's Response to NRCan Recommendations

- NRCan is satisfied with the response provided by the Proponent.



Questions?

