

# **Agnico Eagle Mines Ltd. Meliadine Extension Public Hearing Presentation**

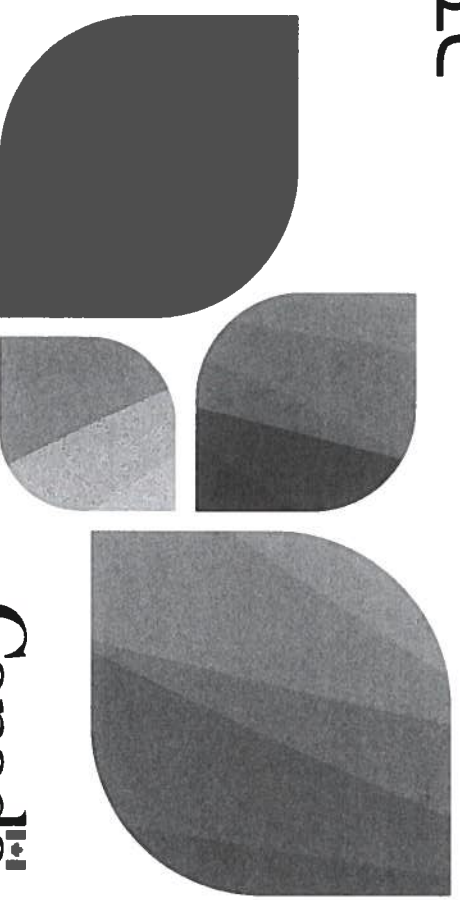
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# September 12-20, 2023

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# Overview

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- *Department of the Environment Act*
- *Canadian Environmental Protection Act*
- *Fisheries Act – Pollution Prevention Provisions*
- *Migratory Birds Convention Act*
- *Species at Risk Act*

- *Canadian Environmental Protection Act*

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- *Species at Risk Act*

**Environment and Climate Change Canada in the  
Environmental Assessment Process**

- ECCC scientific specialists participate in Nunavut Impact Review Board and Nunavut Water Board processes.
    - We provide scientific advice, recommendations and information based on our mandate
    - We ensure that relevant regulations and acts are being followed
  - ECCC's enforcement inspectors make regular visits to Meliadine to confirm relevant acts and regulations are being followed
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# ECCC-TRC-15: Greenhouse Gas (GHG) Intensity

## Resolved

- Agnico Eagle provided a memo incorporating the guidance for mitigation principals in the Strategic Assessment on Climate Change on February 9, 2023. In this memo the Project's GHG intensity was claimed to be 50% lower than the world average without supporting details.
- ECCC recommended that Agnico Eagle explain the above statement.
- In response, Agnico Eagle shared a study that provided the global average GHG intensity for gold mining and clarified the GHG intensity of the current Meliadine operations, and not the proposed extension, is half of the global average.
- Agnico Eagle also noted that the proposed extension will have an important influence on reducing the carbon footprint of mine operations given the Best Available Technologies and Best Environmental Practices being proposed.



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# ECCC-TRC-07: Assessment of waste rock and tailings in-pit disposal

## Resolved

- ECCC recommended that a full assessment of the proposed in-pit disposal be done.
- Agnico Eagle provided an In-pit Deposition Assessment and held a workshop with interested parties to further discuss the assessment on February 6, 2023.
- Agnico Eagle clarified that in addition to the assessment provided, future studies specific to the mine plan would be submitted for review through the water licence process before any in-pit deposition of tailings or waste rock.
- ECCC agrees that the remaining concerns can be mitigated by proposed measures, which can be addressed through the water licence process.



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# ECCC-TRC-08: Groundwater Monitoring

## Resolved

- ECCC recommended that additional groundwater monitoring be done to support assessing impacts associated with in-pit disposal of mine wastes.
- Agnico Eagle provided an In-pit Deposition Assessment including discussion of groundwater and held a workshop with interested parties to further discuss the assessment on February 6, 2023.
- Future studies will be submitted for review through the water licence process before any in-pit deposition of tailings or waste rock, including a pit-specific study of interactions between stored water and groundwater.
- ECCC agrees that the remaining concerns can be mitigated by proposed measures, which can be addressed through the water licence process.



ECCC-TRC-08: 99 $\Delta^{\times}$   $\Delta\rho\Delta^{\alpha}\mathcal{L}\sigma$   $\Delta\Gamma^{\text{qb}}$   
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# ECCC-TRC-09: Lake B7/Saline Pond B7 at Closure

## Resolved

- The final closure configuration of Lake B7 (Saline Pond B7) did not appear to block access by aquatic life. ECCC requested clarification around the configuration of B7, its expected water quality and mitigation measures.
- Agnico Eagle will monitor water quality predictions at Saline Pond B7 during operations and closure until water quality meets discharge criteria.
- Agnico Eagle will assess different closure and mitigation measures for Saline Pond B7 as part of the Final Closure and Reclamation Plan based on monitoring data. These options may include barriers to prevent fish access.



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# Annex 1: Current Status of Environment and Climate Change Canada's Technical Review Comments

ECCC-TRC-01	Identification of pathways	Resolved
ECCC-TRC-02	Emissions standards for proposed equipment purchases	Resolved
ECCC-TRC-03	Redistribution of fugitive emissions	Resolved
ECCC-TRC-04	Canadian Ambient Air Quality Standards online link	Resolved
ECCC-TRC-05	Effects of Meliadine Extension on Climate Change	Resolved
ECCC-TRC-06	Air Quality and Greenhouse Gases	Resolved
ECCC-TRC-07	Assessment of waste rock and tailings in-pit disposal	Resolved
ECCC-TRC-08	Groundwater Monitoring	Resolved
ECCC-TRC-09	Lake B7/Saline Pond B7 at Closure	Resolved
ECCC-TRC-10	Climate Change	Resolved
ECCC-TRC-11	Migratory Bird Pathways of Effects	Resolved
ECCC-TRC-12	Meteorological Data	Resolved
ECCC-TRC-13	Species at Risk	Resolved
ECCC-TRC-14	Land-use change emissions	Resolved
ECCC-TRC-15	Greenhouse Gas Intensity	Resolved
ECCC-TRC-16	Total Carbon Sink Impact Estimate	Resolved



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