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₹^o σ 2023

Presentation from
Sayisi Dene First Nation and
Northlands Denesuline First Nation

RB Public Hearing – Technical Session:
Meliadine Extension” Project Proposal for

September 2023

NUNAVUT IMPACT REVIEW BOARD

Date: September 16, 2023
Exhibit No.: 41

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Presentation Outline

- ለምድና<ጠቅመስርና ካሱን ፌል መፈርሱን ዘዴ
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- Background on Sayisi and Northlands
 - Project features of concern
 - Agnico Eagle responses
 - Issues potentially resolved
 - Remaining concerns
 - Actions required
 - Recommendations



Sayisi Dene First Nation & Northlands Denesuline First Nation





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Sayisi Dene First Nation & Northlands Denesuline First Nation



Photo: A. Thorassis

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Background

- Caribou have been central to Sayisi and Northlands existence for thousands of years
 - Caribou continue to be crucial to our ability to maintain our culture and our way of life
 - Any negative impacts to the declining Qamanirjuaq caribou herd or its habitat could affect our people and our rights



Photo: M. Cod



Sayisi Dene First Nation & Northlands Denesuline First Nation



- 1) Ե՞ս մահացել եմ առաջին հարվածությունում, եղանակը ձևադրված է առաջին հարվածությունում պատճենահանության ժամանակաշրջանում:
 - 2) Եթե մահացել եմ առաջին հարվածությունում, ապա մահացել եմ առաջին հարվածությունում:
 - 3) Եթե մահացել եմ առաջին հարվածությունում, ապա մահացել եմ առաջին հարվածությունում:

Areas of Concern

- 1) Changing caribou calving, post-calving and summer distribution near the mine. Impacts diluted by size of caribou effects study area
 - 2) High uncertainty about negative long-term sensory impacts from windfarm in post-calving range
 - 3) Negative impacts to caribou crossing movements from waterline adjacent to Discovery Road



Photo: C. Werner



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Areas of Concern

- 4) Caribou protection measures for group size and distance threshold shutdowns are not sufficient**
 - 5) Caribou movements while ‘approaching’ and ‘leaving’ the all-weather access road have not been adequately assessed**



Photo: C. Wimmer



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Photo: CWC, 2005

◀σJ ΔJdc P▷◁□▫ R △JL▷◁□▫ # 1

AEM Responses to Concern # 1

- Provided updated impact assessments & habitat selection of caribou during post-calving and summer periods near mine infrastructure between 2012 and 2022. Impacts not significant
 - Some concerns addressed at the Terrestrial Advisory Group included baseline noise monitoring and alternate wind turbine locations



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- Հեղափոխական պատմության մեջ առաջին աշխարհաց պատմությունը է Անգլիայի անկախության պատմությունը:
 - Անգլիայի պատմությունը սկսվում է մայիսի 1536 թվականի ապրիլի 28-ին:
 - Անգլիայի պատմությունը սկսվում է մայիսի 1536 թվականի ապրիլի 28-ին:



Photo: CWC

AEM Responses to Concern #2

- An additional caribou monitoring study will be added to the Windfarm Management Plan
 - Additional maps of increased caribou presence provided; continues to consult with Kivalliq Elders Advisory Board
 - Wind turbines shutdown when caribou at 5 km



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Photo: CWC, 2003

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AEM Response to Concern # 3

- Provided schematic profiles of all-weather access road intersection with Discovery Road, waterline coverings and diagram of adjacent waterline near the road
 - Did not provide specific plan for southeast Meliadine Lake crossing or waterline markers to assess for potential caribou deflections



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Photo: CWC

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AEM Response to Concern # 4

- Agnico Eagle maintains there is no evidence to show there is a need to change caribou protection measures and that current group size and distance thresholds are effective and conservative



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Photo: CWC

AEM Response to Concern # 5

- Analysis of caribou movements near mine and potential windfarm are completed
 - Analysis did not adequately explain or interpret caribou movements 'approaching' and 'leaving' all-weather access road and conflicted with other evidence



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Issues Potentially Resolved

- Agnico Eagle has committed to resolve some of our concerns, such as spill response and noise monitoring
 - Some commitments have not yet been fulfilled, so concerns remain



Photo: M. Code



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Remaining Concerns

- 1) Increased caribou movements near the mine have been re-assessed for significance, but conflict with observed impacts
 - 2) High uncertainty and risk of negative impacts to caribou from windfarm location
 - 3) Road and waterline structures may have negative impacts on movements of caribou at water crossings



Photo: CWC



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Remaining Concerns

- 4) Caribou protection measures are not sufficient to mitigate potential negative impacts to caribou migration patterns**
 - 5) An analysis of caribou movements ‘approaching’ and ‘leaving’ the all-weather access road before waterline installation, is still needed**



Photo: CWC



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Actions Required

Additional actions are needed to avoid negative impacts and to minimize project effects that could:

- 1) Change caribou migration patterns
 - 2) Cause negative impacts to caribou while in calving, post-calving and summer habitats
 - 3) Negatively impact caribou herd productivity and health



Photo: M. Code



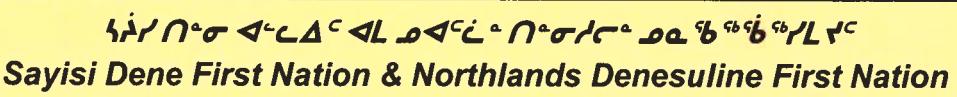
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Recommendations

- 1) ፈሮታ ለዓም ሆነዎች የሚገኘውን በመስጠት እንደሚከተሉ ይገልጻል
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- 1) Agnico Eagle reconsider and revise existing impact predictions and significance determinations related to caribou, based on detected impacts, such as impacts to known caribou crossings, and the proposed extended mine life. This should be done prior to the approval/recommended approval of the Meliadine Extension proposal
 - 2) The proposed wind farm should not proceed



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Recommendations

- 3) ዓብደኑኩስቻበኩር በዚህ ሌሎች ለሚሸጠውን ስራው ስነዎች
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- 3) **Further assessment of caribou movement and behavior monitoring at the southeast Meliadine Lake caribou crossing should be conducted prior to the installation of the Discovery Road waterline**
- 4) **The caribou group size threshold for migration protocols be reduced to allow more small groups to experience protection measures and increase the distance threshold for the mine operations and all-weather access road**
- 5) **Key analysis of caribou movements ‘approaching and ‘leaving’ the all-weather access road be completed prior to approval/recommended approval of the Meliadine Extension proposal**



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Sayisi Dene First Nation & Northlands Denesuline First Nation



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Recommendations (continued)

Two additions to the Project Certificate:

- **Revise Term and Condition # 43-Terrestrial Wildlife and Wildlife Habitat – General**
 - Revise caribou protection group size and distance thresholds based on recent changes to caribou distribution
- **Revise Term and Condition # 54-‘Movement of Wildlife’**
 - Conduct a study of the major caribou crossing at the southeast end of Meliadine Lake to implement specific mitigations

No information provided in the 2022 Annual Report changed these recommendations



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◀Λ՞ՇՐԵԿ՞?

Questions?

