Meliadine Water Licence Amendment

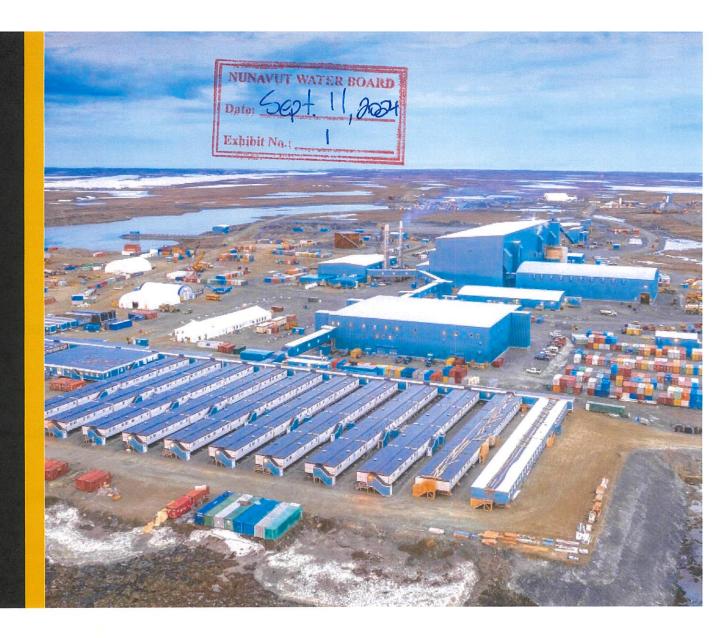
Nunavut Water Board Final Hearing

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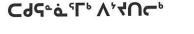
> September 11-12, 2024 Rankin Inlet, NU

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AGNICO EAGLE



PRESENTATION SUMMARY





- Meliadine Mine Water Licence Amendment Description
- Public Engagement and Community Response Update
- Technical Overview
- Security and Water Compensation
- > Draft Water Licence Framework
- Conclusion

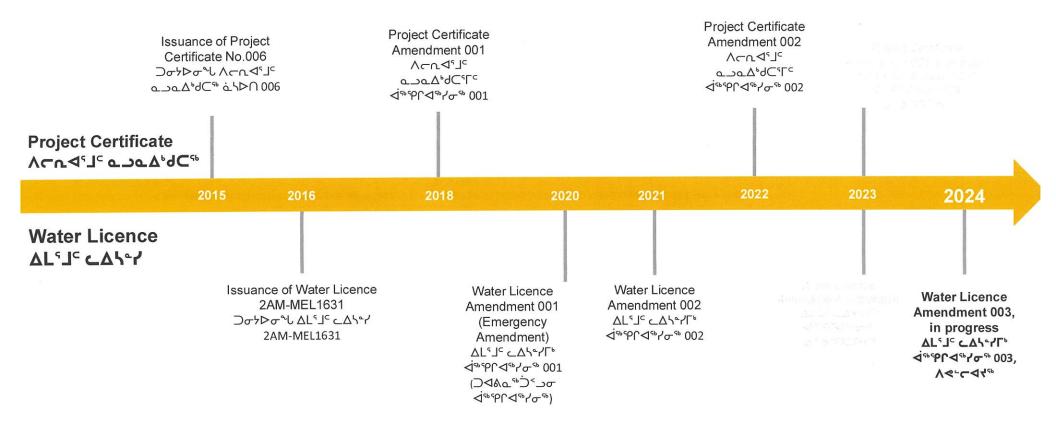
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MELIADINE MINE - HISTORY

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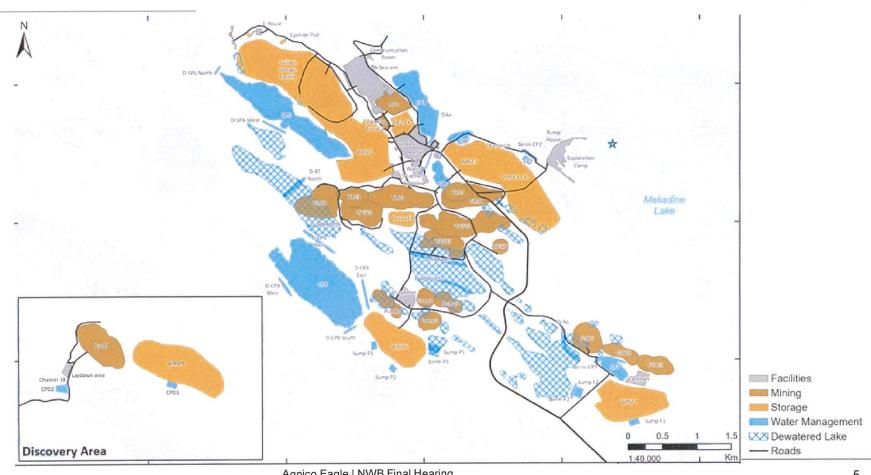
MELIADINE MINE WATER LICENCE AMENDMENT



Meliadine Mine Water Licence Amendment	CʻłdʻΓʻ ÞንϚᡃCռdʻJʻ ΔLʻJʻ ᠘Δ\-ረ୮ dʻʻ°°PΓd°°ረσ°	Previously Assessed (2014 FEIS) & Approved (Project Certificate No. 006) もみよん。CDドウベンの (2014 FEIS) ゼレン もしにケラベンの (人てんぺい) ニュュムなる○。 もいとこ 006)
 Completion of water licensing for open pit mining at Wesmeg, Pump, F Zone, and Discovery. 	 ΛϤσ⁺⊂ϷϞჼ ΔLʹʹͿϲ ϲϪʹϲϯϲʹϲϧʹͼ ϶ϥϹϲϷͼͿϪʹʹϧϥϹϲ ϷϧϛͼϹͷϤϲͷϭ·ʹͿϲϷϤʹϒϤʹϒϲ, <·ʹϒϲ, F Zone-Γϲ, Ϥ·Ͱͺϫ ՈʹϧͽϲͿϲϲ. 	✓
Waste rock storage facilities WRSF6 (Pump); WRSF7 (F Zone); WRSF9 (Discovery).	 ЧС₫๑СЬゼ トナ๑๑๑ ⊃๑๘๓๙๙๘๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓๓	✓
Completion of the fuel tank farm capacity to store up to 80 million litres of diesel fuel.	 Λ⊲σ°СР≺° Р° ≀Ч¬ФР ↑% ∀°СРσ ↑% ∀¬ ↑ 	✓
 Completion of water licensing for capacity to 20.6 Mm³. 	 ለ⊲ታჼ⊂▷√ቕ ΔĽΊ⁻ ∟∆ነ⁴耐┌╓ታቕ 20.6 Mm3-ታ⁻ △ታቴቕጋቕ 	✓
 Increase in the current water use from 742,000 to 1,100,296 m³/yr, which is below the approved limit from the approved 2014 FEIS 	 • ዻኄዮ゚፦	✓
Contact water infrastructure for Pump, F Zone, Wesmeg, and Discovery	 ዻ³ጋ°C▷ґLť° ΔL′T° ΔϲʹLϲʹດʹልċ<'¹¹, F Zone-¹¹, ▷⊲'Ґ⊲¹¹¹, ⊲¹Ĺኌ በ'bቃሊ¹² 	✓
Dewatering of Lakes and Ponds to support mining at Pump, F Zone, Wesmeg, and Discovery	 ΔLΔ5Δσ[®] Cζ⁶σ^c Δ⁴L₂ Cζ²S⁸σ^c D5S⁸C[®]CDσσ⁶2Ω⁸ <¹ F Zone, D Y Y G D D S C C	√
Saline Pond 6 (SP6)	• Cada - Crsh 6 (SP6)	✓

MELIADINE MINE WATER LICENCE AMENDMENT GENERAL SITE PLAN

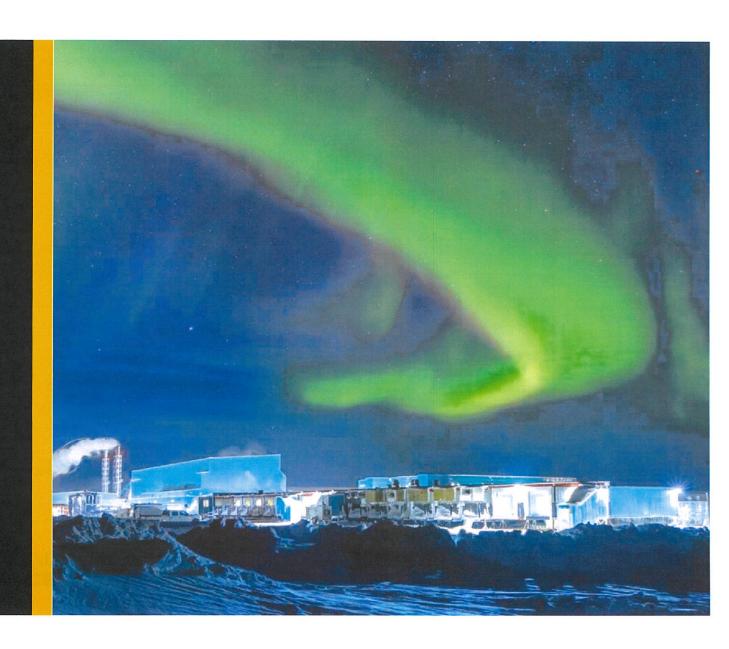




Agnico Eagle | NWB Final Hearing ⊲็ษ่ส่ ∆่ป | ๛ฉ≫็Г ∆L⊂ณ⊁่ส่ คิป็่⊂็∾<่ำส่ b∩L∩๊∩ฮ็\ี่

Public Engagement and Community Response Update





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2023 103 engagement activities

2024
(January – August 16)
124 engagement activities



- Coffee and chats
- Employment information sessions
- Pre-employment training
- Update and information sessions



- Rankin KHTO
- CLO Meetings
 Community
- Community Coordinator Program
- Terrestrial Advisory Group



- KEAC Annual General Meeting
- Cultural Activities
- Discussion and information sessions



- KWB site visit
- KIA site visit
- Community visits

COMMUNITY ENGAGEMENT

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2023 103 <u>ALPACATE BAACAPABE</u> **2024**(January – August 16)
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LETTERS OF SUPPORT UU@PQC VP4@DV4c

April 11th, 2024

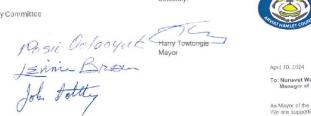
To: Nunavut Water Board, Manager of Licensing

As members of the Kivalliq Elders Advisory Committee and Rankin Inlet elders, we are writing this letter. We are supportive of the Metiadine Mine Water License Amendment to continue

It is in our opinion that the benefits of this project would positively contribute to the Kivalliq, as such we would like to encourage the Board in completing the regulatory process in a timely manner.

As we won't be available to attend the technical meeting in person, we would like this letter to be shared at the Technical Meeting during the community session.

Rankin Inlet Members of the Kivalliq Elders Advisory Committee



904 6th Street P.O. Box 150

April 10, 2024

To: Nunayut Water Board

As Mayor of the Hamlet of Arviat, I am writing this letter on behalf of the Hamlet Council. We are supportive of the Meliadine Mine Water License Amendment to continue their

It is in the council's opinion that the benefits of this project, would positively contribute to the Hamilet and the people of Arvial, as such we would like to encourage the board in completing the regulatory process in a limity manner.

The Hamlet of Arviat has no concerns with the amendment at this time.

We would like this letter to be shared at the technical meeting during the community

if you have any questions, please feel free to contact myself at any time.

Agnico Eagle | NWB Final Hearing 4.94 71 DO DIL OLD LA CUTA OCTO DE LA CONTRA CONTRA



HOLEN BYMOOT MUNICIPALITY OF RANKIN INCRY Box 310. Rankin Infet, Nunever X0C-0G0

April 8, 2024

Richard Dwyer Manager of Licensing Nunavut Water Board Box 119, Gjoa Haven, NU X0B 1J0 VIA Email richard.dwyer@nwb-oen.ca

The Hamlet Council of Rankin Inlet fully supports the proposed water license amendments submitted by AEM for the Meliadine Mine.

The water license amendment is necessary for Meliadine Mine to continue operations.

It is the council's opinion that the benefits of this project, would positively contribute to the Hamlet of Rankin Inlet, as such we would like to encourage the Board in completing the regulatory process in a timely manner.

We have no concerns with the amendment at this time.

We would like this letter to be shared at the technical meeting during the community session.



HAMLET OF ARVIAT Arriot Nunavut X0C 0E0 Phone 867-857-2841 Facsimile: 867-857-2519 e-mail: sao@arviat.ca

Meeting during the community session.

April 317 2024

To: Nunavut Water Board, Manager of Licensing

Amendment to ensure the current life of the mine to 2031.

The Hamlet council has no concerns with the amendment, at this time

complete the regulatory process in a timely manner.

To: Nunavut Water Board, Manager of Licensing

As Mayor of the Hamlet of Baker Lake, I am writing this letter on behalf of the council. We

are supportive of Agnico Eagles submission for the Meliadine Mine Water License

It is in the council's opinion that the benefits of this project, would positively contribute

to the Hamlet of Baker Lake, and as such we would like to encourage the Board to

As we cannot attend in person, we would like this letter to be shared at the Technical

We, the members of the Akgiquit Kivalliq Elders Advisory Committee and esteemed elders of Kivalliq. are writing to express our strong support for the Meliadine Mine Water License Amendment to continue its operations.

Office of the Mayor

We firmly believe that the continuation of this project will bring significant benefits to the Kivalliq region, including economic development and job creation. The positive impact on our community's prosperity and well-being cannot be overstated. Therefore, we urge the Water Board to expedite the

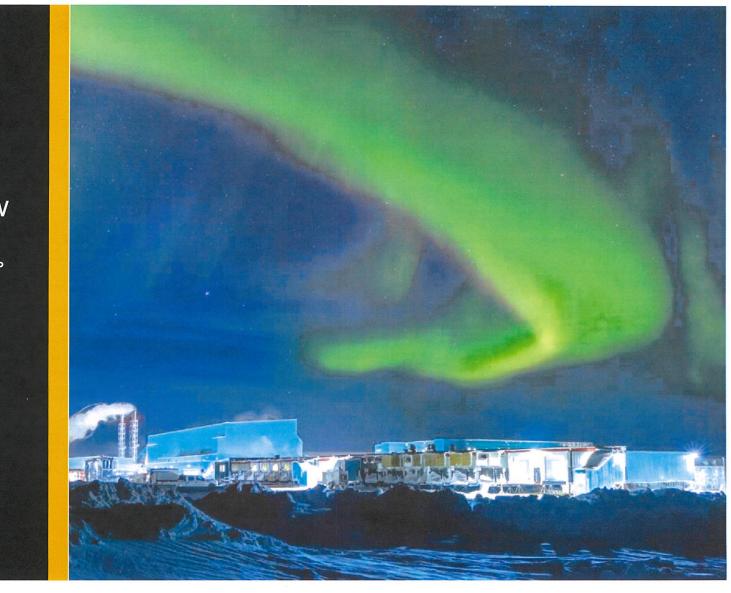
As we are unable to attend the Public Hearing in person, we respectfully request that this letter be shared during the community session to represent our collective endorsement and support for the Meliadine Mine Water License Amendment

Thank you for your attention to this important matter

Akgiqtiit Kivalliq Elders Advisory Committee

Vice Chair, John Avaala Menule

Member, Louis Oklaga is Oplaya



Technical Overview

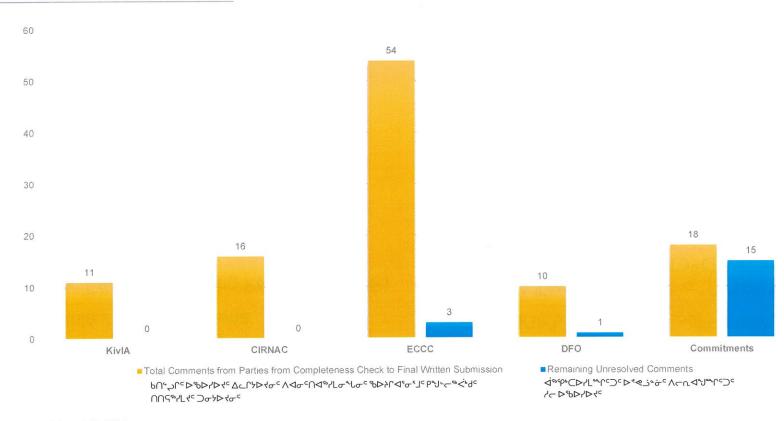
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STATUS OF REVIEWS

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* As of August 28, 2024

OVERVIEW OF TECHNICAL COMMENTS

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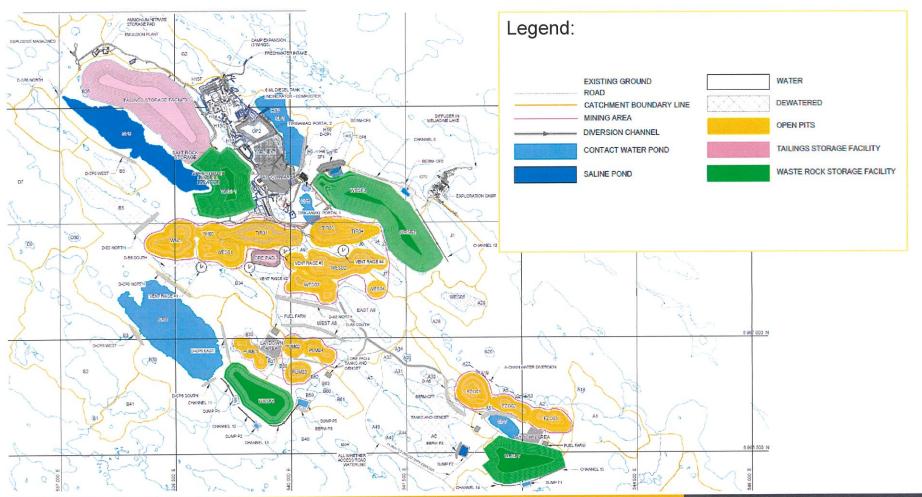
- > Outstanding Technical Comments
 - Pit Flooding at Closure
 - > Schedule 2 Closure Criteria
 - Aquatic Effects Monitoring Program (AEMP)
 - Normal Ranges

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TECHNICAL COMMENT SUMMARY – WATER MANAGEMENT

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TECHNICAL COMMENT – PIT FLOODING AT CLOSURE

- ECCC and DFO do not agree to include water withdrawal rate from Meliadine Lake during closure
- Annual withdrawal from Meliadine Lake for pit filling was assessed in the 2014 impact assessment at 17,060,000 m³/year over 10 years
- Previously presented impacts to Meliadine Lake water levels, water flows, and downstream fish and fish habitat remain valid and relevant
- Part E, Item 2 already exists for closure flooding volume which is typical for Agnico Eagle Water Licenses
- > Water Licence Amendment:
 - Increase up to 8,500,000 m³/yr over 6 years (less than assessed in 2014 impact assessment)

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TECHNICAL COMMENT – SCHEDULE 2 CLOSURE CRITERIA

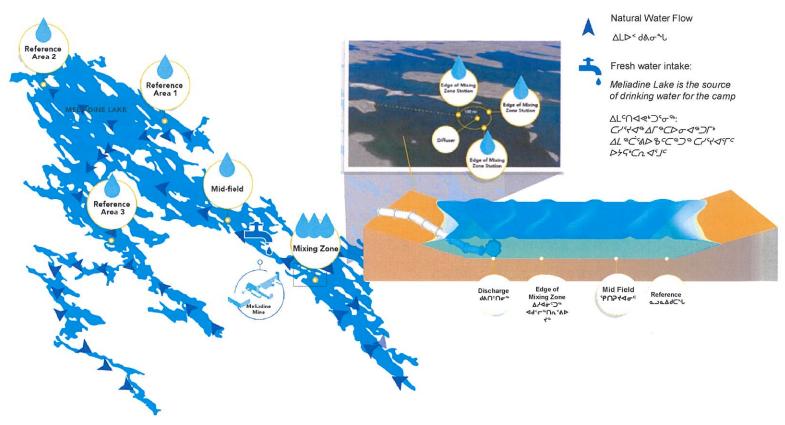


- ECCC requests water quality criteria at closure be protective of aquatic life for all waterbodies at closure regardless of their Schedule 2 status
- Agnico Eagle disagrees with recommendation and the NWB should not accept this for the following reasons:
- Metal and Diamond Mining Effluent Regulations (MDMER):
 - Do not prescribe <u>any</u> conditions related to the quality of water in an area listed on Schedule 2 of the MDMER
 - Do prescribe conditions related to discharge from the final discharge point
- Becoming a recognized closed mine would not change the status of these waste deposition areas:
 - They would continue to be listed on Schedule 2 of the MDMER
 - To date, no waterbody has been removed from Schedule 2 and the legal implications of such a removal are uncertain

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TECHNICAL COMMENT SUMMARY – AQUATIC EFFECTS MONITORING PROGRAM

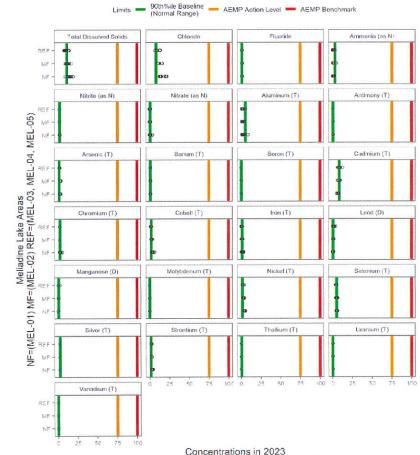




TECHNICAL COMMENT SUMMARY – AQUATIC EFFECTS MONITORING PROGRAM

- Since operations in 2018, there has been no exceedances in Health Canada Drinking Water Quality guidelines in Meliadine Lake
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(Normalized to the AEMP Benchmark (%))

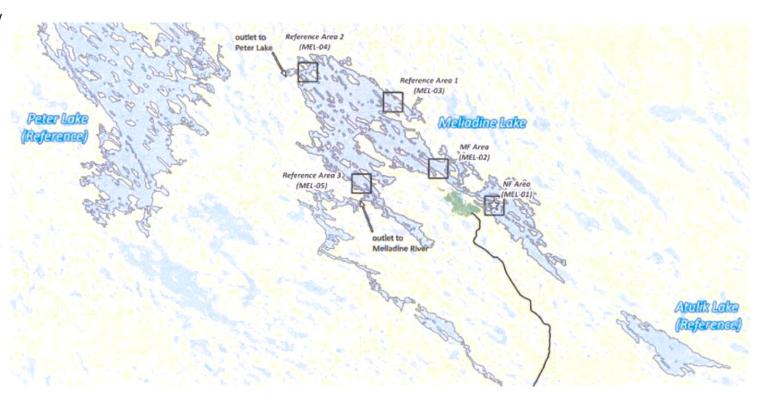
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TECHNICAL COMMENT SUMMARY – AQUATIC EFFECTS MONITORING PROGRAM

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- Natural climate variability at MEL-03, MEL-04, and MEL-05
- Peter Lake and Atulik Lake included in Cycle 3 Environmental Effects Monitoring



Security and Water Compensation

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SECURITY AND WATER COMPENSATION

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- Reclamation Cost Estimate
 - Agreed on security cost with KivIA and CIRNAC
- Security Management Agreement
 - Finalizing with KivIA and CIRNAC
- Water Compensation Agreement
 - Mutually agreed with the KivIA

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Draft Water Licence Framework

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DRAFT WATER LICENCE FRAMEWORK

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June 7 2024 Suggested Amended Licence submitted to Nunavut Water Board by Agnico Eagle

June 7 2024 Nunavut Water Board circulated to Parties for Review

July 25, 2025

- Recommendations received from Kivalliq Inuit Association
- · No other comments received from Parties

August 1: 2024 Addressed recommendations received through the Final Written Submission responses

August 20

- Received comments for Crown-Indigenous Relations and Northern Affairs Canada
- Agnico Eagle recommends its draft to the Board for approval

June 7, 2024 \cdot \del{A} \del{A}

June 7, 2024 July 25, 2025

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August 15, 2024 \cdot \wedge CUAUTACPUDI QLE QUI QUE POSPACE POSPAC

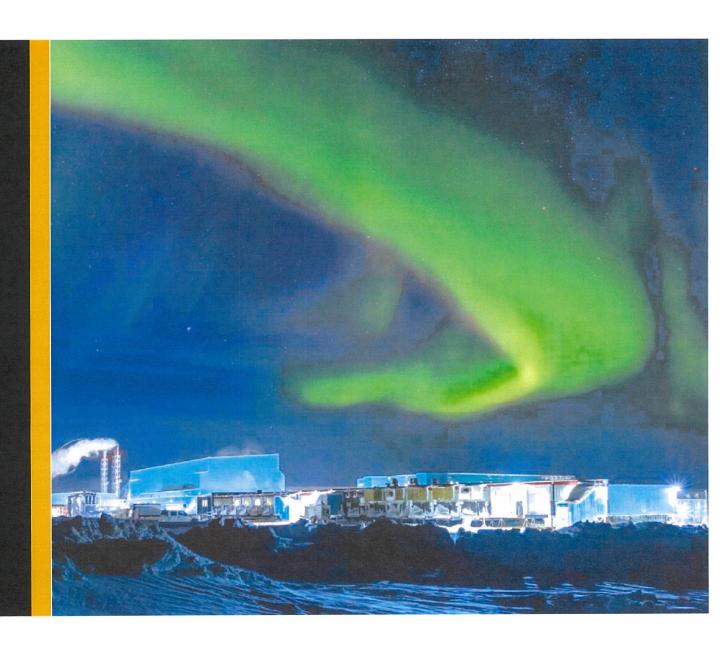
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Conclusions

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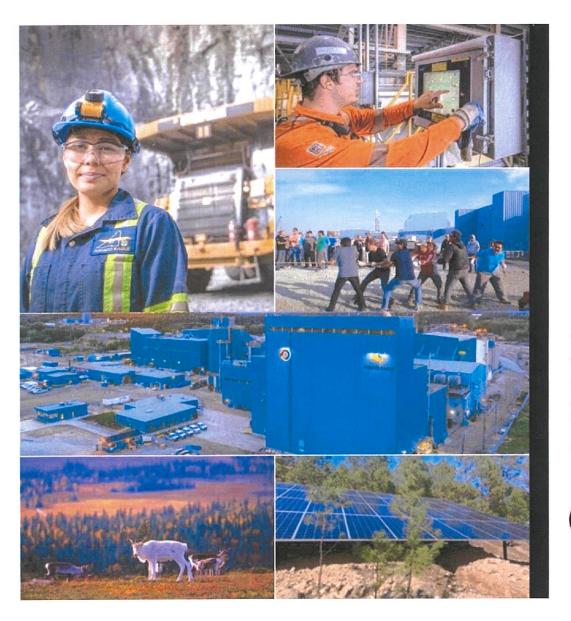


MELIADINE WATER LICENCE AMENDMENT - CONCLUSIONS



- Seeking approvals and permits to mine deposits not included in the current Water Licence but already approved under Project Certificate No.006
 - Completion of water licensing for open pit mining of F Zone, Wesmeg, Pump, and Discovery deposits
 - Waste rock storage facilities at Pump, F Zone, and Discovery
 - Completion of previously approved 2014 fuel tank farm capacity at Rankin Inlet fuel farm
 - Increase of operational water use
 - Completion of contact water infrastructure
 - Dewatering of lakes and ponds to support mining
- Continue the approved activities
- Use/update existing management and monitoring plans

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