Fisheries and Oceans Canada | Pêches et Océans Canada

Agnico Eagle Meliadine Mine Water License Amendment for 2AM-MEL1631

ᐊᖏᓂᑯ ᐃᔪᓕ ᒪᑕᓪᓗᓂ ᐅᓴᕐᓂᓂᐊᕐᕆᔨᑯᓕ ᐃᒪᕐᒧᑦ ᓇᐃᓴᖅ 2AM- MEL1631

Presented by Fisheries and Oceans Canada to the Nunavut Water Board
November 17-18, 2026
ᐅᓂᖅᑲᐅᓯᐅᔨᖅ ᐃᒪᕐᒥᐅᑕᓕᕆᓂᖅᑯᓂᓂᑦ
ᑲᓇᑕᒥ ᓄᓇᕗᑦᒥ ᐃᒪᓕᕆᓂᐹᑦ
ᑲᑎᒪᔨᖏᓐᓄᑦ ᓄᕐᐱᑎᓕ 17-18, 2026-ᒥ

Canada

Who We Are
ᑭᒃᑯᓪᓚᓱᓕᕆᓂᑦᑕ





ᑎᐅᓗᒃ ᑕᓄᑦ
ᐃᖏᓪᓗᓂᒃ ᐊᓚᒪ ᐃᖏᓪᓗᐃᑦ
ᓇᕆᔨᖑᓂᒃ ᓴᓇᔨᓂᖏᓐᓄᑦ
ᐅᒪᕆᓂᒃ ᖃᐅᔨᓴᖏᑎ
ᐅᑭᐅᖏᑕᖏᑐᖅ

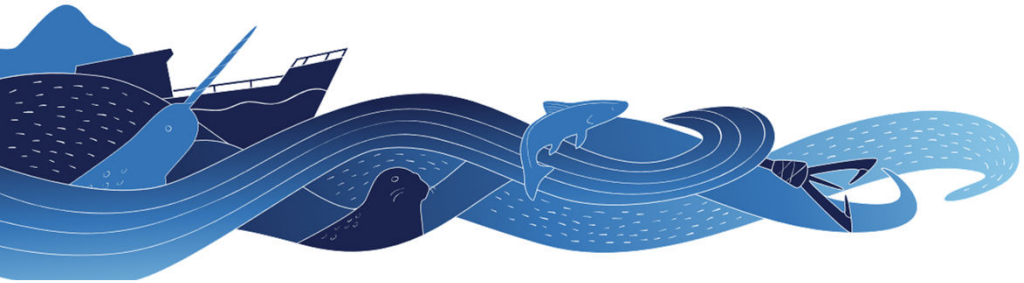
Derek Donald
Fish and Fish Habitat
Protection Biologist
Arctic Region

ᓴᓂᕐ ᔭᕼᐃᐅᑎ
ᐃᖏᓪᓗᓂᒃ ᐊᓚᒪ ᐃᖏᓪᓗᐃᑦ
ᓇᕆᔨᖑᓂᒃ ᓴᓇᔨᓂᖏᓐᓄᑦ
ᐅᒪᕆᓂᒃ ᖃᐅᔨᓴᖏᑎ
ᐅᑭᐅᖏᑕᖏᑐᖅ

Jennifer Loughery
Fish and Fish Habitat
Protection Biologist
Arctic Region

Fisheries and Oceans Canada (DFO) Mandate & Legislation

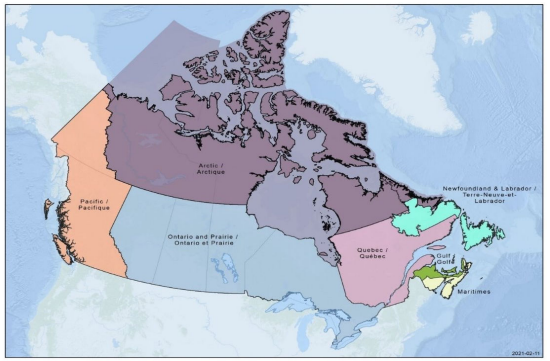
- The mandate of the Fish and Fish Habitat Protection Program is to protect **all fish and fish habitat** in Canada
- ***Fisheries Act* Sections 34.4 and 35**
  - Prohibit the death of fish and harmful alteration, disruption or destruction of fish habitat (HADD)
- ***Species at Risk Act* –** protect, recover, and conserve all listed aquatic species
- ***Fisheries Act* Authorization**
  - Allows death of fish or HADD (with conditions)



ᐃᒪᖏᑕᑕᓂᔨᒃᑯᑦ ᑲᓇᑕᒥ ᐱᓕᕆᔨᒃᓴᖅᑐᑦ ᒪᓕᑲᖅᑐᑦ

- ᐃᖅᑲᐃᑦ ᐊᒻᒪ ᐃᖅᑲᐃᑦ ᓇᔨᒐᖅᑐᑦ ᓴᓗᖅᐳᔨᒪᓂᖅᓯᓄᑦ ᐱᓕᓕᐊᖏᑦ ᑲᒪᑎᖏᑲᓕᐊᖏᖅᓗᑦ ᐃᖅᑲᓕᒫᓂᒃ ᓇᔨᒐᖅᓂᔭᓕᑲ ᑲᓇᑕᒫᒥ
- *ᐃᖅᑲᓕᓕᓂᔪᓐᓇᖅ* ᐱᖅᓯᖏᓐ ᐃᓕᖏᑉ 34.4 ᐊᒻᒪ 35
  - ᐃᖅᑲᐃᑦ ᑐᖅᑯᖏᑎᑕᐃᓕᓕᑐᑎᑦ ᓯᕐᖏᑎᖅᑕᐅᑎᑦᑕᐃᓕᓕᑐᒍᑐ, ᓴᖑᐊᖅᑕᐅᑎᑦᑕᐃᓕᓕᑐᒍᑐ, ᓯᕐᖏᑎᖅᑕᐅᑎᑦᑕᐃᓕᓕᑐᒍᑐᓂᓚᐅᑦ ᐃᓂᒋᔭᖅᑕᖏᓐᓂᑦ (HADD)
- *ᐅᒪᔨᐃᑦ ᐊᓱᓚᕐᓂᖅᓂᑦ ᐊᑦᑕᕐᓇ ᖃᑐᒃᓗᓕᓂᖃᑐᒍᑦ ᐱᖅᓯᖏᖅ* – ᐅᓱᖃᖅᓯᑎᑕᐊᓕᑦ, ᐃᑲᔨᖅᑐᓯ ᐅᑎᖃᑎᑦᑎᓇᓯᖑᓕᓯ, ᐊᒻᒪ ᐱᐅᖃᖅᓯᐊᖅᑐᓂᑦ ᑎᑎᕆᖃᑕᐅᓯᒪᔨᑦ ᐃᒪᖏᑕᑕᓂ ᐅᒪᔨᐃᑦ

- *ᐃᖅᑲᓕᓕᓂᔪᓐᓇᖅᓯᓄᑦ ᐱᖅᓯᖏᖅᓯᓄᑦ ᐱᔨᓇᖃᖅᑎᑕᐅᓂᖅ*
  - ᐃᖅᑲᐃᑦ ᑐᖅᑯᕈᓇᖃᖅᓴᑦ ᐅᕐᕕᑲᓇᓂᑦ HADD (ᐃᓕᖑᓇᓂ ᕿᑲᐃᐃᓇᐅᔨᓂᑦ)



WL Amendment – DFO Technical Comments
WL–Lᑦ ᐊᖅᑭᑦᐊᖅᑕᐅᔾᔨᖅ – ᐃᒪᖏᑕᑕᓂᔭᖅᑯᑦ ᐱᓕᓂᐠᔨᑎᓇᓄᑦ ᐅᖏᐅᓯᖅᓴᑦ

- Request for a Type A Water License Amendment for Agnico Eagle's (AEM) Meliadine Mine Project
- DFO completed a technical review focused on concerns related to fish and fish habitat
- 4 technical comments were submitted by DFO

- ᑐᖅᓯᕋᐅᑎ ᖃᓄᐃᐃᑉᑐᓂᖏᑲ A ᐃᒪᖏᒧᑦ ᓪᐃᓴᓯᓗᒧᑦ ᐊᖅᑯᓂ ᐃᒧᑦ ᒪᑕᓪᓐᓄ ᐅᓴᕋᖅᓂᐊᖏᖅᑎ (AEM) ᒪᑕᓪᓐᓄ ᐅᓴᕋᖅᓂᐊᖏᖅᑲᒧᑦ ᐱᓕᓂᐊᒧᑦ
- ᐃᒪᖏᑕᑕᓂᔭᖅᑯᑦ ᐱᐊᓂᖅᓯᓪᓕᐅᖅᑐᑦ ᐱᓕᓂᔪᐊᑎᓂᖅ ᐊᑭᒋᑦᑐᓗᒃ ᐊᖅᑲᐃᖅᑕᐅᔪᓂᖅ ᐃᖏᓪᓗᖅ ᐊᒻᒪ ᐃᓂᑯᖅᑕᖅᑭᓂᖅ
- ᐃᒪᖏᑕᑕᓂᔭᖅᑯᑦ ᑐᓂᓯᓪᓕᐅᖅᑐᑦ ᑎᑎᕋᐅᓂᖅ ᐅᑎᓪᓗᒍ ᐅᖏᓪᓕᐊᓂᖅ ᐊᑐᖅᑐᒥ ᐃᓄᐃᑦ ᐊᒻᒪ ᐃᓂᑯᖅᑕᖅᑭᓂᖅ



Comment # DFO TRC-01

- Model the discharge rates of the Meliadine Lake Main Outflow and West Outflow.
  - Both Operational and Closure
- Compare the results to DFO's Framework for Assessing Ecological Flow Requirements to Support Fisheries in Canada.
- *Status:* ***Partially Resolved***
  - Modeling requires updating for instantaneous flows.
  - If impacts are greater than 10%, then the activity will require DFO review.

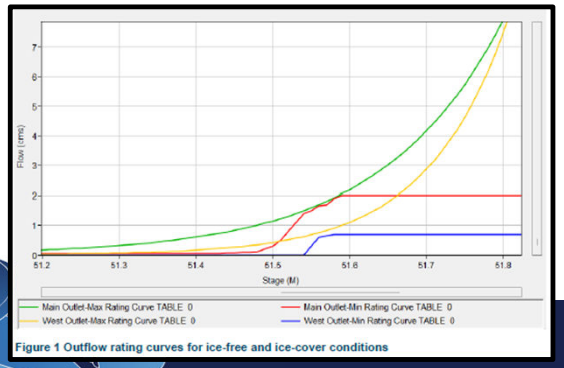


Figure 1 Outflow rating curves for ice-free and ice-cover conditions

ᐅᖃᐅᓯᕐᓴᖅ # ᐃᒪᖅᑎᐅᑕᓕᕆᔨᒃᑯᑦ TRC-01

- ᐊᑐᖅᓗᒍ ᑯᐃᑎᑕᐅᔪᑦ ᒪᑕᓂᓐ ᑕᓯᖏᓂᓂ ᑯᐃᔪᖅ ᐊᓪᒪ ᐱᖏᓐᓄᖏᓂᓂ ᑯᐃᔪᖅ.
  - ᑕᒪᖅᑎᒃ ᐊᐅᓪᓚᕐᓂᖅᓴᑦ ᒪᑐᓯᓂᖅᓴᑦᓗ
- ᐊᓴᐸᖅᓯᒪᓂᖅᓯᒪᑦ ᐊᓴᐸᖅᓯᒪᓂᖅᓯᒪᑦ ᖃᐅᐅᓴᖅᓴᓗᑦ ᐃᒪᖅᑎᐅᑕᓕᕆᔨᒃᑯᑦ ᑐᖓᔾᔪᑎᖏᓐᓂᑦ ᖃᐅᐅᓴᖅᓂᐊᖅᓴᓗ ᐊᑭᑎᖅᓯᐅᓂᖅᓂᑦ ᐃᓕᓴᐃᓐᓇᐅᑉᓯᐊᓕᓚᖅᓂᒃ ᐃᑲᔪᖅᓯᐅᓂᖅᓴᑦ ᐃᖃᓗᓕᕆᓂᖅᓴᑦ ᑲᓇᑕᒥ.
- ᖃᓄᐃᓕᓚᖅᓂᖏᓐᓄᑦ: ***ᐃᓕᐃᖅᓇᖏᑦ ᐊᑲᑭᑐᑐᖅ***
  - ᐊᑲᖅᑭᐅᒪᔪᑕᐅᓚᓂᖅ ᓄᑦᖁᔭᓚᐊᖅᑎᑕᐅᕆᓚᐊᖅᑲᖅᐳᖅ ᐃᖏᕐᕋᓯᑲᐅᑎᑎᔪᖅᓇᕐᑯᓕᑐᒍ.
  - ᐊᑲᑐᐃᓂᐅᑉ 10% ᐅᖏᓚᑦᔮᕐᑕ, ᖃᓄᐃᓕᓚᐅᕐᓂᐅᔪᖅ ᐃᒪᖅᑎᐅᑕᓕᕆᔨᒃᑯᓄᑦ ᖃᑭᕐᑕᕆᐅᕆᓚᐊᖅᑕᕐᑐᖅ

Comment # DFO TRC-02

- Requested that hydraulic modeling factor in ice formation during winter.
- Compare water use and lake volume to the DFO Protocol for Winter Water Withdrawal from Ice-covered Waterbodies in the Northwest Territories and Nunavut.

- *Status:* ***Resolved***
  - Information provided.

ᐅᖃᐅᓯᕆᖃᖅ # ᐃᒪᖅᑎᐅᑕᓕᓕᓴᐅᓗᑦ TRC-02

- ᐊᐱᓕᔪᖅ ᐃᒪᐅᑉ ᐊᐅᑕᓂᖅᓱᓄᑦ ᐋᖃᕈᐅᒪᔪᑕᐅᓕᓂᖅ ᐃᓗᒪᑎᕆᖃᖅᓯᓗᓂ ᓗᑯᐳᑦᑕᐊᓂᖅᓱᓂᒃ ᐅᕈᐅᒃᑯᑦ.
- ᐊᓴᒋᖏᕐᓂᖅᑕ ᐊᓴᒋᖏᕐᓂᖅᓂᑦ ᖃᒃᐅᓴᕆᓯᓗᑦ ᐃᒪᐅᑉ ᐊᑐᖃᕐᑕᐅᓂᖅᓱᓄᑦ ᐃᒪᖅᑎᐅᑕᓕᓕᓴᐅᓗᑦ ᒪᑕᒋᐊᑕᖏᕐᓂᓄᑦ ᐅᕈᐅᒃᑯᑦ ᐃᒪᖅᑎᒃ ᐱᖃᓗᓯᓚᑦ ᓗᑯᐳᖅᖃᑐᑦ ᑕᓗᓯᓂᑦ ᓄᓇᕋᓗᐊᖅᑎᒋᑦ ᓄᓇᕗᓚᒥᓗ.

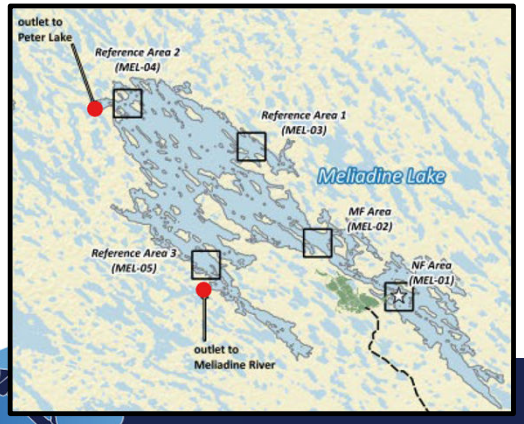
- *ᖃᓄᐃᑕᖏᓚᑦᓂᖅᓂᑦ:* ***ᐋᖃᖅᕈᒃᑕᐅᕐᓴᖅ***
  - ᑐᕈᓗᒋᐊᖏᒃᑲᑦ ᐊᑐᐃᓐᓇᕈᖃᖅᑎᑕᐅᕐᓴᑦ.



Comment # DFO TRC-03

- Provide a Hydrology Monitoring Plan including:
  - Where and when data is collected,
  - How it will be analyzed and reported,
  - Include reference to DFO guidelines.

- *Status*: ***Unresolved***
  - AEM does not think this is required at this stage.
  - DFO believes a written Plan will provide consistency, transparency, and reliability to the monitoring currently in progress.



ᐅᖃᐅᓯᕐᓴᖅ # ΔLᖁᐅᑕᓕᓂᐸᒃᑯᑦ TRC-03

- ᐱᑎᖁᔨᖃᖁᔭᓗᓂ ΔLᖁᒥᒃ ᓇᐅᕐᑎᖃᒃᓯᖃᒃᓯᓂᖁᔪᑦ ᐱᕙᑲᖁᖃᑕᐅᓯᔨᒥᒃ ᐅძᓂᖏᑐ Δᓪᖃᖁᔭᓗᓂ:
  - ᓇᓂ ᖃᒃᖏᓐᓄ ᑎᑎᕐᖃᒃᓯᒪᔨᑦ ᑲᑎᖃᒃᓯᖃᑕᐅᓂᐊᖁᓕᖏᓐᓇᑦ,
  - ᖁᓄᓂᖅ ᖁᑲᐅᔪᖃᖃᑕᐅᓂᐊᖁᓕᖏᓐᓇᑦ ᐅᓂᒃᑲᐅᓯᐅᓂᐊᖁᓕᖏᓐᓇᑦᑕᓄ,
  - Δᓪᓕᐅᑎᓄᑦᓕᓄ ᖁᑲᐅᔪᑎᐊᖁᕐᕕᒃᓴᑦ ΔLᖁᐅᑕᓕᓂᐸᒃᑯᑦ ᖁᑲᐅᔪᒪᔨᐸᑎᖏᑐᓂᓄᑦ.

- ᖁᓄᐃᓕᓪᓚᕆᓕᓪᓂᖏᑐᑦ: ᐊᑦᖃᑭᑕᐅᓯᒪ ᵐᵏᑐᑕᑐᖅ
  - ᐊᒃᓂძ ᐃᔪᑦ ᐅᔨᖁᖏᓂᐊᖁᑎᒃᑯძᑦ ᒪᵒᓇ ᑕΔLΔᑦᑕᓚᐊᖁᖃᓯᑎᵒᑐᑦᓄᑎᒃ.
  - ΔLᖁᐅᑕᓕᓂᐸᒃᑯᑦ Δᓯᒪᐅᑦ ᑎᑎᖁᖃᒃᓯᒪᔨᐸᒥᒃ <ᖁᓇᐅᑎᖁᖃᒃ<ᑕ ᖁᑲᐅᔪᔨΔᵒᓇᖁᒃᑕᖁᓂᖁᖃᒃ ᐊᔨᔪᑎᓅᔭᒥᓂᖁᖃᒃᓴᐅᓂᐊᖁᓕᖏᑦ, ᑐᑭᓯᓇᖁᓂᖁᖃᒃᓴᐅᓄᓂᒥ, ᐊᒻᒪ ᑕᑎᑎᕐᐅᔨᓇᖁᓂᖁᖃᒃᓴᐅᓄᓂᒥ.

Comment # DFO TRC-04

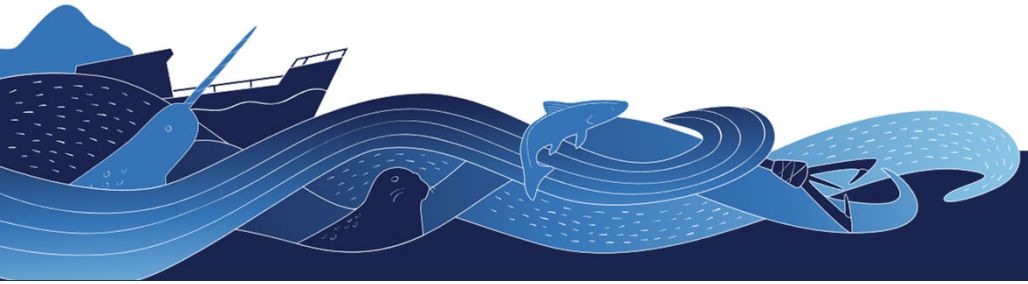
- Prior to pit back-flooding, AEM to consult with DFO regarding the need for a Fisheries Act Authorization.

- *Status*: ***Resolved***
  - AEM agreed to consult with DFO prior to commencing pit back-flooding activities.

ᐅᖃᐅᓯᕆᖅ # ᐃᒪᖅᑎᐅᑕᓕᕆᔨᒃᑯᑦ TRC-04

- ᐃᓗᓕᖅᑎᖅᓯᒪᔪᖅ ᐃᓕᒥᖅᑕᐅᒃᑲᓂᓕᐅᙱᓚᐅᓂᖃᖅᓯᓂ, ᐊᑐᓂᑯ ᐅᔪᕐᖃᓂᐊᖅᑎᒃᑯᑦ ᐃᒪᖅᑎᐅᑕᓕᕆᔨᒃᑯᓂᓂ ᖃᐅᐅᔨᑎᐊᕆᐊᖃᖅᖃᓕᑦ ᐃᒪᖅᑎᐅᑕᓕᕆᔨᒃᑯᓂᓂ ᐃᒪᖅᑎᐅᑕᓕᕆᔨᒃᑯᓂᓄᑦ ᐱᔪᓂᓇᐅᑎᑕᕆᐊᖃᖅᖃᕐᓗᒍᑦ.

- ᖃᒃᓄᐃᓕᓚᕐᓂᖅᓂᕐᓂᖅᓱᒋᑦ: ᐊᑦᖁᒃᑕᐅᔪᖅ
  - ᐊᑐᓂᑯ ᐃᔨᑦ ᐅᔪᕐᖃᓂᐊᖅᑎᒃᑯᑦ ᐊᖏᕈᓕᐅᖅᑕᓕ ᖃᒃᐅᔨᕈᐊᕐᓕᓪᓗᑎᒃ ᐃᒪᖅᑎᐅᑕᓕᕆᔨᒃᑯᓂᓂ ᐱᕈᐊᓕᐅᙱᓚᐅᓂᖏᓂᒃ ᐃᓗᓕᖅᑎᖅᓯᒪᔪᕈᒃ ᐃᒪᖅᓯᐃᒃᑲᓂᓂᖅᓂᕐᓗᒍᑦ ᐱᓕᓕᐊᖓᓂᒃ.



Fisheries and Oceans Canada | Pêches et Océans Canada

Thank you
ᓇᓂᖏᒃ

Questions & Feedback
ᐱᖅᓂᑎᖅᓴᓪ ᐊᒻᒪ ᑭᐅᔭᐅᓯᓪ

Fisheries and Oceans Canada - Arctic Region
Fish and Fish Habitat Protection Program
ᐃᒪᖏᑕᐅᑕᓀᓗᖅᓂᓪ ᑲᓇᑕᒥ - ᐅᑭᐅᖅᑕᖅᑐᖅ
ᐃᖅᑲᐃᓪ ᐊᒻᒪ ᐃᖅᑲᐃᓪ ᓇᓱᒍᖏᑦ
ᓴᓕᖅᐳᒪᓂᖅᑭᓄᓪ ᐱᑕᓀᐊᖅ

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