



WATER LICENCE INSPECTION FORM

Original
 Follow-Up Report

Licensee	Licensee Representative
Agnico Eagle Mines Limited	Brett Fairbairn
Licence No. / Expiry	Representative's Title
2BB-MEL1424/ July 21 st , 2024	Environment Coordinator
Date of Inspection	Inspector
May 18 th , 2022	WRO Wilson
Activities Inspected	
<input type="checkbox"/> Camp <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Mining <input type="checkbox"/> Construction <input type="checkbox"/> Reclamation <input type="checkbox"/> Fuel Storage <input type="checkbox"/> Roads/Hauling <input checked="" type="checkbox"/> Other: Spill <input type="checkbox"/> Other:	

SECTION 1	<input checked="" type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
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On May 18th, an inspection of Agnico Eagle Mines Ltd.'s (AEM) Meliadine Gold Project's Exploration Division was completed by Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)'s, Water Resources Officer, Christine Wilson (Inspector) and Water Resource Officer, Kyle Amsel (WRO Amsel). Environment Climate Change Canada, Operation Manager, Curtis Didham (EO Didham) accompanied the Inspector.

The May 18th inspection was conducted as a follow up to the inspections on April 19th (report no. 2022-KIV02-CW) and the May 13th (report no. 2022-KIV03-CW) to ensure compliance with applicable terms and conditions of water licence no. 2BB-MEL1424.

The following report was produced with the observations noted by the Inspector, WRO Amsel and EO Didham, at the lake referred to as A8 as well as information provided by Agnico Eagle Mine Ltd. Environment Coordinator, Brett Fairbairn; Environment Technician, Daphne Morin; and Water Management Process Specialist, Rodger Levasseur.

Preliminary information

- On April 19th an inspection was conducted of on ice drilling activities at Lake A8. The Inspector was advised that drilling would be completed the following week and the clean up would be finalized. A follow up inspection was scheduled during snow free conditions so that the Inspector could better determine if the clean up was satisfactory.
- On May 13th the follow up inspection took place of Lake A8. The Inspector noted concerns related to materials on the surface of the ice and determined samples would be collected on May 18th to verify compliance.

Observations from May 18th

1. The lake is in a similar conditions as observed on May 13th inspection.
2. AEM advised that some garbage and debris has been removed though garbage is still visible.
3. Four samples have been collected from water that was pooled on the surface of the ice:

Sample Name:	Locations:	Notes:
A8-01	N63° 00' 32.90", W92° 12' 09.65"	Pool of water on surface of the ice, grey material settled on the bottom of the pool, smells of fuel.
A8-02	N63° 00' 33.36", W92° 12' 10.88"	Pool of water on the surface of ice, visible sheen.
A8-03	N63° 00' 42.25", W92° 12' 24.98"	The water appears to be turbid and grey in colour, pooled inside the snow piles on the surface of ice.
A8-04	N63° 00' 42.40", W92° 12' 22.76"	Pool of water on surface of the ice, water appears turbid and is grey in colour.

The samples were collected between 17:00 to 19:00 by EO Didham and WRO Amsel. All the samples have been collected in clean, lined 5 gallon buckets due to heavy winds and deteriorating weather conditions. A total of eight (8) bottles were collected from each bucket for analysis for the following parameters: Total Dissolved Solids, Total Suspended Solids, pH, Total Metals, Hardness, BTEX (F1-F4), Conductivity, Alkalinity, Chloride, Nitrate, Nitrite, Sulphate and Daphnia Toxicity (LC50).

4. AEM environment collected samples for the same sample parameters at all 4 locations. An additional Trout Toxicity LC50 was collected from A8-02 by AEM Environment and Environment Climate Change Canada.

SECTION 2-	<input type="checkbox"/> Comments	<input checked="" type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
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Non-compliance related to the conditions of water licence no. 2BB-MEL1424:

- PART F, item 4: Concern related to containing drilling additives in a way acceptable to the Inspector.
 PART F, item 2: Concern related to the prevention of chemicals, petroleum products or waste associated with the project from entering water.





SECTION 2- <input type="checkbox"/> Comments <input type="checkbox"/> Non-Compliance with Act or Licence <input type="checkbox"/> Action Required	
All samples collected by CIRNAC are sent to ALS Laboratories in Winnipeg for Analysis. A copy of the analysis report will be provided to AEM once received by this office.	
Inspector's Name	Representatives Name
Christine Wilson	Brett Fairbairn
Signature	Signature
Date	Date
May 18th, 2022	



PHOTO LOG

Date:	Authorization Number:	Camera/Model:	Inspector
May 18, 2022	2BB-MEL1424	Sony DSC-HX50V	C. Wilson

Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 1	Not available



Description: Materials on the surface on Lake A8
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Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 2

63° 0' 34.43" N 92° 12' 12.17" W



Description:

Sampling location A8-02



Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 3	63° 0' 34"N 92° 12' 11.90"W
	
Description:	
A8-02 visible sheen	



Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 4

63° 0' 34.40" N 92° 12' 11.74" W



Description:

Filling clean lined bucket A8-02



Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 5

63° 0' 34.30" N 92° 12' 11.76" W



Description:

Sealing liner in bucket A8-02

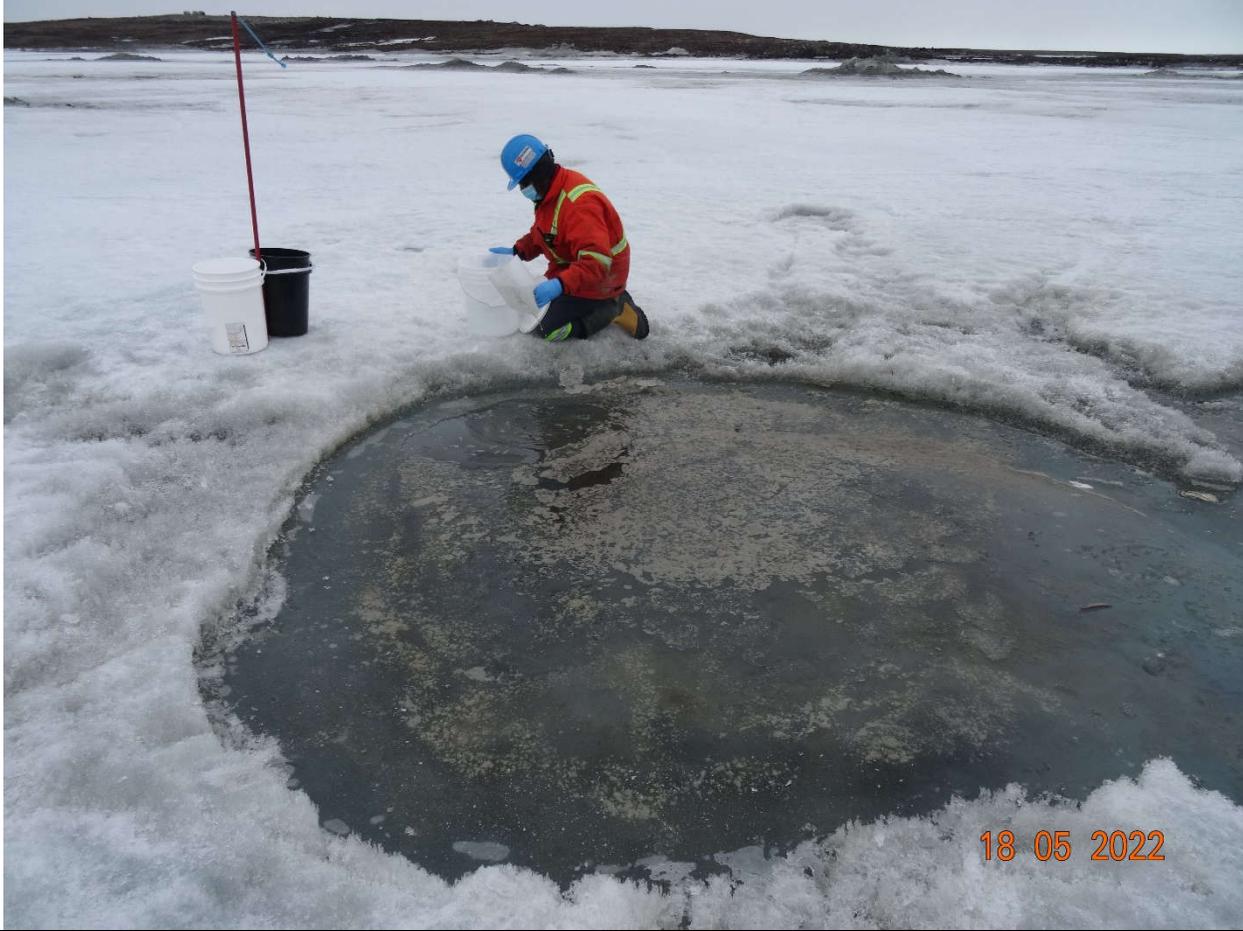


Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 6

63° 0' 34.50" N 92° 12' 11.90" W



Description:

AEM Representative Daphne Morin collecting samples at A8-02

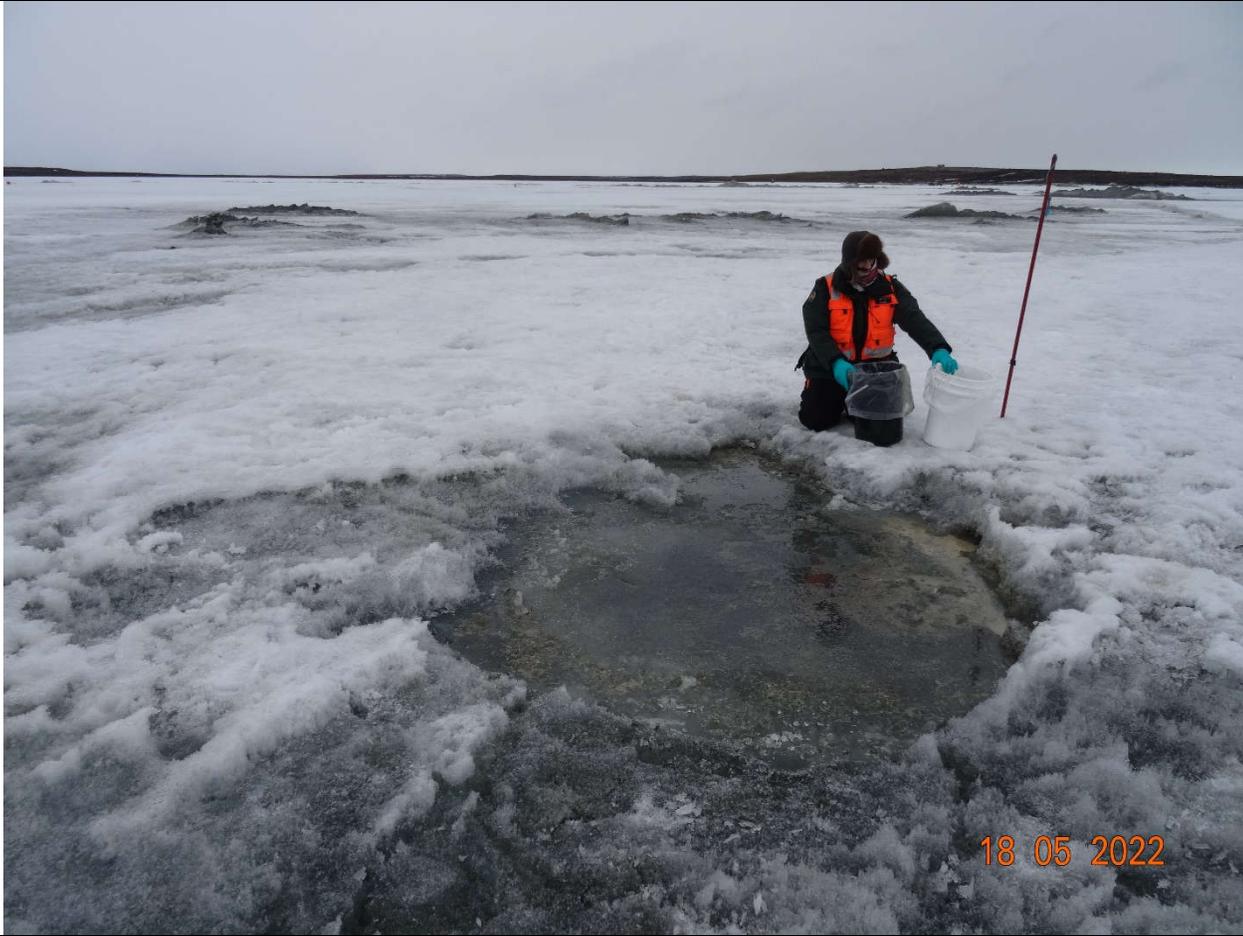


Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 7

63° 0' 43.61" N 92° 12' 24.13" W



Description:

Sampling location A8-04



Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 8

63° 0' 43.48" N 92° 12' 24.16" W



Description:

A8-04 unknown substance in pool of water.



Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 9

63° 0' 43.47" N 92° 12' 24.15" W



Description:

Filling clean lined bucket at sampling location A8-04



Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 10

63° 0' 43.43" N 92° 12' 24.16" W



Description:

Sealing liner at A8-04



Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 11	63° 0' 42.37" N 92° 12' 23.99" W



Description: A8-03 Sampling location.



Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 12

63° 0' 42.36" N 92° 12' 25.31" W



Description:

Filling clean lined bucket at A8-03.



Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 13

63° 0' 42.36" N 92° 12' 25.48" W



Description:

Sealing liner at A8-03



Photo No.

Photo 14

Lat/Long (DD.MM.SS.SS, NAD83)

Not available



Description:

Grey material on ice surface of A8



Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 15

Not available



Description:

Sampling location A8-01



Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 16

63° 0' 33.01" N 92° 12' 9.64" W



Description:

Visible sheen at sampling location A8-01



Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 17

63° 0' 33.01" N 92° 12' 9.49" W



Description:

A8-01 sampling location filling clean, lined bucket.



Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 18

63° 0' 33.14" N 92° 12' 9.29" W



Description:

Sealed liner at A8-01 sample location

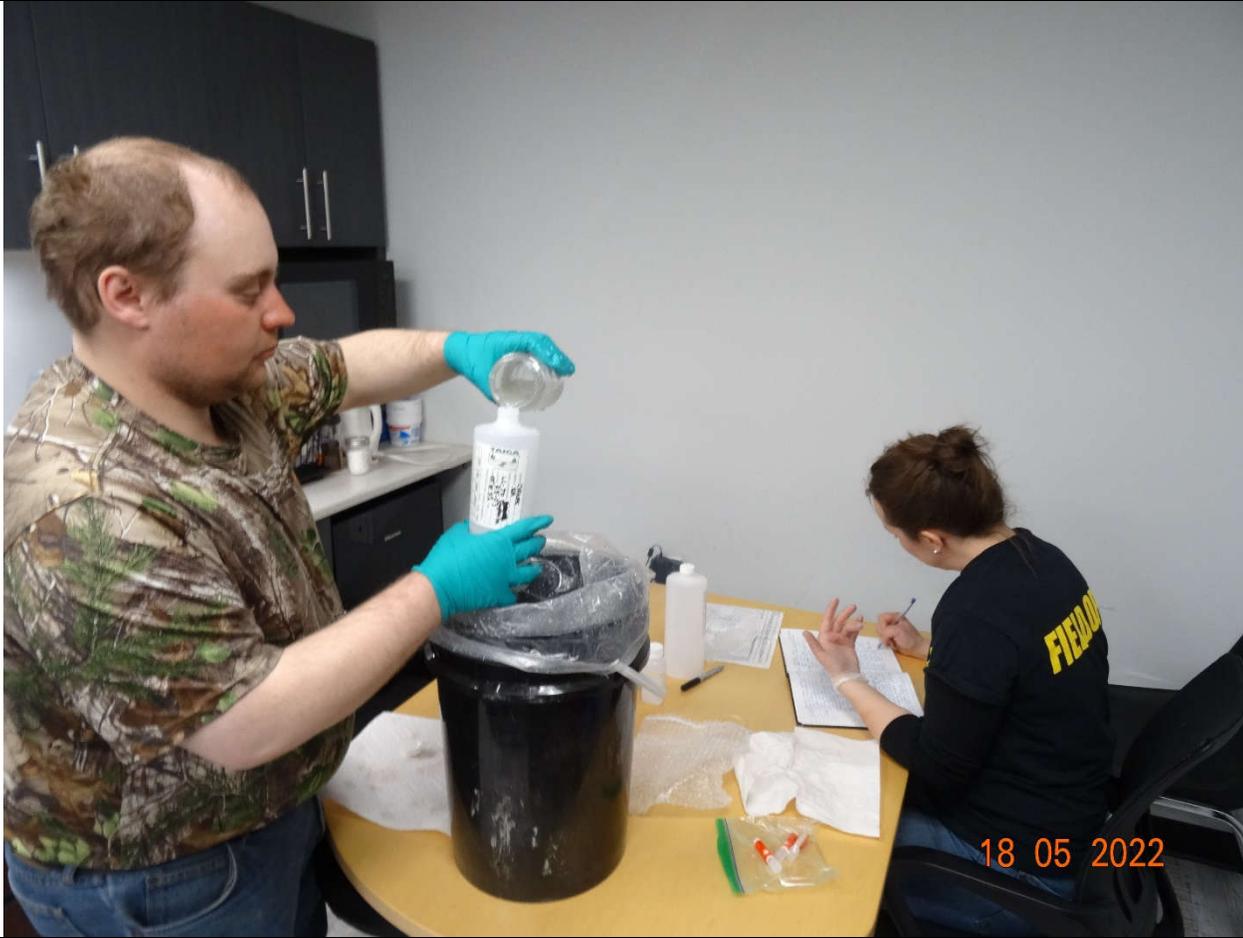


Photo No.

Photo 21

Lat/Long (DD.MM.SS.SS, NAD83)

CIRNAC offices, Rankin Inlet



Description:

Collecting samples for each bucket for chemical analysis.



Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 22

CIRNAC offices, Rankin Inlet



Description:

Prepared cooler for shipping to ALS Laboratories.