APPENDIX 14 2023 REPORTABLE SPILLS

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **01-11-2022**	REPORT TIME **6:30**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **01-10-2022**	OCCURRENCE TIME **13:00**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Untreated sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **5 Litres**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **MSB Lift Station**	SPILL CAUSE **Equipment failure**	AREA OF CONTAMINATION IN SQUARE METRES **1**
J	FACTORS AFFECTING SPILL OR RECOVERY **N/A**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

After transferring sewage from the vacuum truck to the MSB lift station the operating lever system failed resulting in a 5 L spill of untreated sewage to the industrial pad. The spill was contained to the local area.

The coordinates of the spill are 63º 2’ 21.24’’N, 92º 13’ 40.67’’W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 325 m northwest.

Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.
Reported by Randy Schwandt, Environment Coordinator 819-759-3555 ext. 4603996
randy.schwandt@agnicoeagle.com , kyle.conway@agnicoeagle.com ext. 4603212

L	REPORTED TO SPILL LINE BY **Randy Schwandt**	POSITION **Env. Coordinator**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Kyle Conway**	POSITION **General Supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-860-1033**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

February 9th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-009 – Release of 5 L of Sewage at the Meliadine Gold Project

On January 10th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 5 L of sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2' 21.62" N, 92° 13' 41.20" W). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On January 10th, 2023, at approximately 1:00 pm, an estimated 5 L of sewage was spilled on the industrial pad at the multiple service building (MSB) lift station due to the vacuum truck operator deviating from an established procedure. The contents of the vacuum truck were emptied into the MSB lift station and the operator attempted to clear the hose. The operator deviated from the procedure when disconnecting the hose from the lift station and attempted to vacuum out the residual sewage from the hose. Due to the hose being disconnected from the lift station the remaining sewage in the line spilled to the industrial pad. The spilled sewage collected directly on the road behind the vacuum truck and was contained to the local area. No water bodies were impacted by this spill. The closest water body (G2) is approximately 300 meters north, as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Spill Response and Remediation

Upon observing the spill, the operator shutoff the pump to prevent further spillage. The impacted surface area was hand excavated and an estimated 5 kg of contaminated snow was brought to Landfarm A as per the Spill Contingency Plan.

Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root cause and contributing factors. The investigation concluded with the following:

- Employee did not follow procedure. The vacuum truck hose is to remain connected to the lift station when it is being emptied.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- Supervisor to review sewage transfer procedure with employee.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Randy Schwandt | Environment Coordinator
randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photo 1: Sewage spill location.

Photo 2: Sewage spill post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 01-11-2022	REPORT TIME 16:45	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 01-11-2022	OCCURRENCE TIME 8:00		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL11D01	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Project	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES 63 MINUTES 2 SECONDS 21	LONGITUDE DEGREES 92 MINUTES 13 SECONDS 41
F	RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines Ltd.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut, X0C 0G0
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A

H	PRODUCT SPILLED Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 7 m3	U.N. NUMBER N/A
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A
I	SPILL SOURCE Main Camp Lift Station	SPILL CAUSE Equipment Failure	AREA OF CONTAMINATION IN SQUARE METRES 800 m2
J	FACTORS AFFECTING SPILL OR RECOVERY Infrastructure	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

An overflow of the main camp lift station resulted in a spill of 7 m3 of sewage to the industrial pad. The spill was contained to the local area. Clean up activities are underway.

The coordinates of the spill are 63º 2’ 23.60’’N, 92º 13’ 39.57’’W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 280 m north.

Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Randy Schwandt, Environment Coordinator 819-759-3555 ext. 4603996
Randy.Schwandt@agnicoeagle.com , Kyle.Conway@agnicoeagle.com ext. 4603212

L	REPORTED TO SPILL LINE BY Randy Schwandt	POSITION Env. Coordinator	EMPLOYER AEM	LOCATION CALLING FROM Meliadine	TELEPHONE 819-759-3555
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION General supervisor	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meliadine	ALTERNATE TELEPHONE 819-860-1033

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

February 9th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-011 – Spill of 7 m^3 of Sewage at the Meliadine Gold Project

On January 11th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 7 m^3 of sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2’ 23.60" N, 92° 13' 39.57”). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On January 11th, 2023, at approximately 8:00 am, an estimated 7 m^3 of sewage was spilled to the industrial pad due to an equipment failure at the main camp lift station causing it to overflow. A worker discovered the spill occurring and notified their supervisor. The spilled sewage migrated south and collected in the multiple service building (MSB) parking lot. No water bodies were impacted by this spill. The closest water body (G2) is approximately 280 meters north, as seen in Figure 1.

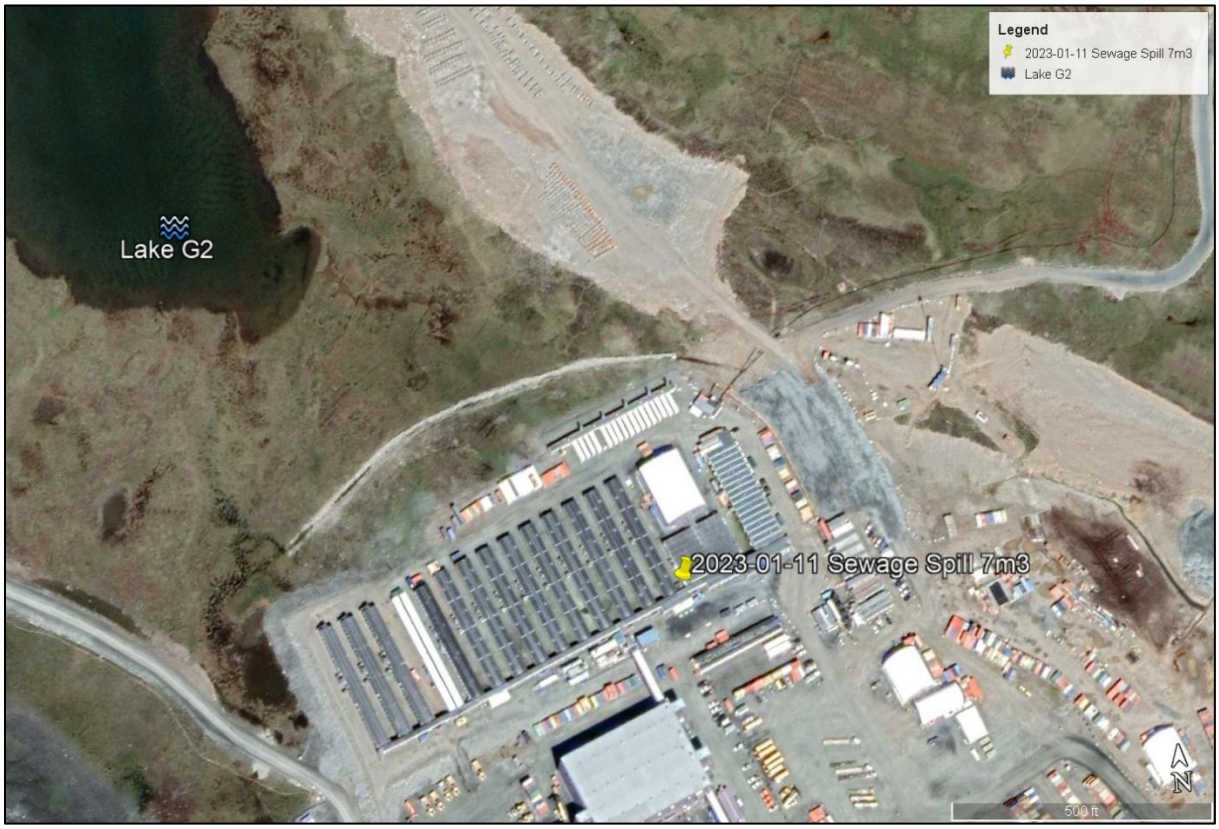

Figure 1: Location of the sewage spill and proximity to water bodies.

Spill Response and Remediation

The Energy and Infrastructure Maintenance supervisor was notified that the spill was occurring and immediately sent an employee to stop the spill. The employee switched the pumping system into manual mode to lower the level in the tank to stop the overflow. The area was scrapped using a loader, and approximately 20 m^3 of sewage-contaminated snow was brought to Landfarm A as per the Spill Contingency Plan.

Historically, smaller volumes of sewage or sewage-contaminated snow are disposed of within a sewage list station for treatment at the Sewage Treatment Plant. Alternatively, sewage-contaminated snow or soils may be utilized in the Landfarm. Due to the large volume of material that was generated from the spill remediation, Agnico Eagle requested and was granted and one time authorization from CIRNAC, in consultation with the KivIA, to allow for this material to be disposed of within the Tiriganiaq Pit 2.

Tiriganiaq Pit 2 is currently used for interim storage of saline contact water from the underground mine. This water will be treated at the Saline Effluent Treatment Plant (SETP) prior to discharge to sea at Melvin Bay to meet the MDMER discharge criteria.

Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root cause and contributing factors. The investigation concluded with the following:

- The float detection system failed, resulting in the overflow.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- Installation of a new float mechanism.
- An improved ultrasonic level sensor has been ordered and will be installed in this list station.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

AGNICO EAGLE
MELIADINE

Randy Schwandt | Environment Coordinator
randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photo 1: Sewage spill location.

Photo 2: Sewage spill post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 02-03-2022	REPORT TIME 17:45	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 02-03-2022	OCCURRENCE TIME 16:00		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL11D01	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Project	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES 63 MINUTES 2 SECONDS 21	LONGITUDE DEGREES 92 MINUTES 13 SECONDS 41
F	RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines Ltd.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut, X0C 0G0
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A

H	PRODUCT SPILLED Hydraulic oil	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 500 litres	U.N. NUMBER N/A
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A
I	SPILL SOURCE Excavator	SPILL CAUSE Equipment Failure	AREA OF CONTAMINATION IN SQUARE METRES 10
J	FACTORS AFFECTING SPILL OR RECOVERY N/A	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

Hydraulic hose failure on an excavator occurred inside TIRI01 pit. The excavator was immediately turned off, spill pads and a secondary containment were used. Spill clean up is currently on-going.

The coordinates of the spill are 63º 1’ 22.03’’N, 92º 13’ 11.69’’W. No water bodies were impacted by this spill. The nearest natural water body (A8) is 480 m south.

Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Randy Schwandt, Environment Coordinator 819-759-3555 ext. 4603996
Randy.Schwandt@agnicoeagle.com , Kyle.Conway@agnicoeagle.com ext. 4603212

L	REPORTED TO SPILL LINE BY Randy Schwandt	POSITION Env. Coordinator	EMPLOYER AEM	LOCATION CALLING FROM Meliadine	TELEPHONE 819-759-3555
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION General supervisor	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meliadine	ALTERNATE TELEPHONE 819-860-1033

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

March 1st, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re.: Follow-up Report Spill #2023-034 – Release of 600 L of hydraulic oil at the Meliadine Gold Project

On February 3rd, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 600 L of hydraulic oil at the Meliadine Gold Project site (spill location coordinates: 63° 1’ 22.03"N, 92° 13' 11.69”). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On February 3rd, 2023, at approximately 4:00 pm, an estimated 600 L of hydraulic oil was spilled on to Tiriganiaq pit 1 (Tiri-1). During normal operations, four bolts broke on the main line between the hydraulic oil pump and tank of an excavator, causing the contents of the tank to release. The initial NT/NU Spill Report indicated that 500 L was released but after further assessment it was determined that 600 L was released.

No water bodies were impacted by this spill. The closest water body (A8) is approximately 480 meters south, as seen in Figure 1.

Figure 1: Location of the hydraulic spill and proximity to water bodies.

Spill Response and Remediation

The immediate response from the employee was to shut down the equipment. The employee then contacted their supervisor to report the incident. As the entire contents of the hydraulic oil tank released, no intervention was required to stop the spill. The contaminated material was then excavated and directed to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- Extreme temperatures placed additional stress on the hydraulic system causing a system failure.
- Preventive maintenance inspection of the Hydraulic pump compartment and associated equipment was not included in the preventative schedule

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- Frost fighter will be used on hydraulic compartment when starting up in cold temperatures.
- Preventive maintenance schedule has been updated to include visual inspection of the hydraulic pump compartment and associated equipment every 1000 hours.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Brett Fairbairn | Environment Coordinator
brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com

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MELIADINE

Appendix – Photos

Photo 1: Hydraulic oil spill area.

Photo 2: Hydraulic oil spill remediated.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 02-06-2023	REPORT TIME 9:30	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 02-05-2023	OCCURRENCE TIME 14:30		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL11D01	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Project	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES 63 MINUTES 2 SECONDS 21	LONGITUDE DEGREES 92 MINUTES 13 SECONDS 41
F	RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines Ltd.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut, X0C 0G0
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A

H	PRODUCT SPILLED Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 5 Liters	U.N. NUMBER N/A
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A
I	SPILL SOURCE MSB Lift Station	SPILL CAUSE Human error	AREA OF CONTAMINATION IN SQUARE METRES 1
J	FACTORS AFFECTING SPILL OR RECOVERY N/A	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

Residual sewage was left in vaccum truck hose when disconnected at the MSB lift station and resulted in a spill of 5 L of sewage to the industrial pad. The spill was contained to the local area and froze in place. The frozen sewage was cleaned up and brought to landfarm A for disposal.

The coordinates of the spill are 63º 2’ 21.21’’N, 92º13'40.89’’W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 325 m north.
Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Randy Schwandt Environment Coordinator 819-759-3555 ext. 4603996 randy.schwandt@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY Randy Schwandt	POSITION Env. Coordinator	EMPLOYER AEM	LOCATION CALLING FROM Meliadine	TELEPHONE 819-759-3555
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION General supervisor	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meliadine	ALTERNATE TELEPHONE 819-860-1033

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

March 2nd, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-037 – Release of 5L of Sewage at the Meliadine Gold Project

On February 5th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 5 L of sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2' 21.62" N, 92° 13' 41.20" W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On February 5th, 2023, at approximately 2:30 pm, an estimated 5 L of sewage was spilled onto the industrial pad at the multi service building (MSB) lift station. The vacuum truck operator had finished emptying the sewage into the MSB lift station. The operator emptied the hose according to procedure and was preparing to put the hose back on the truck. It was at this time that residual sewage spilled out of the vacuum truck hose and onto the industrial pad. The spilled sewage collected directly on the road behind the vacuum truck and was contained to the local area. No water bodies were impacted by this spill. The closest water body (G2) is approximately 325 meters north, as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Spill Response and Remediation

The spill stopped on its own as all residual sewage had exited the vacuum truck hose. The impacted surface area was hand excavated and an estimated 10 kg of contaminated snow was brought to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- After transfer of sewage from vacuum truck to MSB lift station sewage remains trapped in sewage transfer line from low spots between the truck and lift station.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- Procedure has been updated with an additional step. Operator will walk the hose and adjust the elevation of the hose into a bucket when disconnecting after normal operations are complete to ensure no residual material is left.
- The updated procedure has been reviewed with all personnel operating the vacuum truck.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Brett Fairbairn | Environment Coordinator
brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photo 1: Sewage spill location.

Photo 2: Sewage spill post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
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FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 02-11-2023	REPORT TIME 10:00	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 02-11-2023	OCCURRENCE TIME 3:30		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL11D01	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Project	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES 63 MINUTES 2 SECONDS 21	LONGITUDE DEGREES 92 MINUTES 13 SECONDS 41
F	RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines Ltd.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut, X0C 0G0
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A

H	PRODUCT SPILLED Sodium Hydroxide	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 450 Liters	U.N. NUMBER 1823
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A
I	SPILL SOURCE Caustic Tank	SPILL CAUSE Equipment Failure	AREA OF CONTAMINATION IN SQUARE METRES 5
J	FACTORS AFFECTING SPILL OR RECOVERY Infrastructure	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

A fitting broke on a caustic distribution tank resulting in a spill of 450 L of 30% sodium hydroxide to the industrial pad.

The coordinates of the spill are 63º 2’ 22.79’’N, 92º13'33.91’’W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 369 m north.

Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Randy Schwandt Environment Coordinator 819-759-3555 ext. 4603996 randy.schwandt@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY Randy Schwandt	POSITION Env. Coordinator	EMPLOYER AEM	LOCATION CALLING FROM Meliadine	TELEPHONE 819-759-3555
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION General supervisor	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meliadine	ALTERNATE TELEPHONE 819-860-1033

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

March 9th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-047 – Release of 450 L of Sodium hydroxide at the Meliadine Gold Project

On February 11th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 450 L of sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2' 22.79" N, 92° 13' 33.91" W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On February 11th, 2023, at approximately 3:30 am, an estimated 450 L of sodium hydroxide was spilled on the industrial pad beneath the sewage treatment plant (STP) due to a cracked PVC fitting. A 6 cm hole inside the STP floor allowed for the free liquid to drain to the ground below. The spilled sodium hydroxide collected directly underneath the STP, which was contained to the local area. No water bodies were impacted by this spill. The closest water body (G2) is approximately 370 meters north, as seen in Figure 1.

Figure 1: Location of the sodium hydroxide spill and proximity to water bodies.

Spill Response and Remediation

Upon observing the spill, the operator shut off the manual valve on the reservoir to stop the spill and deployed chemical spill pads to absorb the spilled material. The operator then reported the spill to their supervisor. The spill was contained underneath the STP as heat from building created a layer of ice under and around the infrastructure containing the spill to that area.

As per the spill contingency plan, a neutralizer was used on the sodium hydroxide to adjust the pH of the free liquid to a neutral pH. An industrial vacuum was later used to collect the remaining free liquid which was then transferred into a plastic tote. All contaminated spill rags, free liquid and contaminated ice/snow were brought to the Mill's reagent storage area where it's stored as hazardous waste and will be shipped offsite for disposal.

During freshet, this area will be monitored frequently for run-off. Any pooling water from this location will be pumped into a tote for disposal.

Root Causes and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- PVC fitting potentially contracted with freezing temperatures (caustic distribution tank is by entrance of building).
- No preventive maintenance (PM) schedule is currently in place for this piece of equipment.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- A PM schedule to be created for monthly inspection of the chemical distribution lines within the STP.
- Plug to be installed in the STP floor where a hole was present.
- A centralized caustic distribution system with a single tank to feed the STP will replace the existing three tanks.
- Valves will be locked out at the bottom of the tank and feed from 20 L pails or top feed from the tank when needed. This is a temporary measure until the central feed tank is installed.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

AGNICO EAGLE

Randy Schwandt | Environment Coordinator
randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

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Appendix – Photos

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MELIADINE

Photo 1: Contaminated ice and snow.

Photo 2: Spill remedation efforts.

Photo 3: Spill remediation area.

Photo 4: Spill remediation area.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 02-22-2023	REPORT TIME 11:00	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 02-21-2023	OCCURRENCE TIME 16:00		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL11D01	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Project	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES 63 MINUTES 2 SECONDS 21	LONGITUDE DEGREES 92 MINUTES 13 SECONDS 41
F	RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines Ltd.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut, X0C 0G0
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A

H	PRODUCT SPILLED Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 25 Liters	U.N. NUMBER N/A
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A
I	SPILL SOURCE Vacuum truck hose	SPILL CAUSE Equipment failure	AREA OF CONTAMINATION IN SQUARE METRES 0.5
J	FACTORS AFFECTING SPILL OR RECOVERY N/A	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

A suction hose on a vacuum truck failed while doing routine sewage collection at the Power Plant lift station resulting in a 25L spill of sewage. The sewage was cleaned up and brought to Landfarm A for disposal.

The coordinates of the spill are 63º 2' 16.66''N, 92º 13' 32.44''W. No water bodies were impacted by this spill. The nearest natural water body (H15) is 269 m west.
Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Kevin Smith Hydrogeology Specialist 819-759-3555 ext. 4603961 kevin.smith2@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY Kevin Smith	POSITION Hydrogeo Specialist	EMPLOYER AEM	LOCATION CALLING FROM Meliadine	TELEPHONE 819-759-3555
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION General Supervisor	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meliadine	ALTERNATE TELEPHONE 819-860-1033

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

March 12th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-057 – Release of 25L of Sewage at the Meliadine Gold Project

On February 21st 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 25L of sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2' 16.66" N, 92° 13' 32.44" W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On February 21st, 2023, at approximately 4:00 pm, an estimated 25L of sewage was spilled onto the industrial pad at the Power Plant lift station. The vacuum truck was at the was setup to perform a routine removal of sewage from the Power Plant lift station. When the valve to the pump at the vacuum truck was opened the 3" suction hose split spraying sewage on the ground. The spill was cleaned up with a backhoe and the material placed in a drum to be moved Landfarm A. No water bodies were impacted by this spill. The closest water body (G2) is approximately 500 meters northwest, as seen in Figure 1. Please note that this is a correction from the initial report which indicated H15 was the nearest waterbody; H15 is part of our site water management plan.

Figure 1: Location of the sewage spill and proximity to water bodies.

Spill Response and Remediation

The operators closed the valve on the sucker truck and stopped the vacuum. Their supervisor called in a backhoe to scrape the spill up. The contaminated snow and ice was excavated and brought to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- Cold weather caused the vacuum truck hose to become brittle and crack during operation.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- Vacuum truck operators instructed to thoroughly inspect the vacuum truck hose to ensure the integrity of the hose before each use.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Randy Schwandt | Environment Coordinator
randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photo 1: Sewage spill location.

Photo 2: Sewage spill post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 02-26-2023	REPORT TIME 15:30	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 02-26-2023	OCCURRENCE TIME 08:00		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL11D01	WATER LICENCE NUMBER (IF APPLICABLE) 2BB-MEL1424
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Project	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES 63 MINUTES 2 SECONDS 21	LONGITUDE DEGREES 92 MINUTES 13 SECONDS 41
F	RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines Ltd.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut, X0C 0G0
G	ANY CONTRACTOR INVOLVED Orbit Garant	CONTRACTOR ADDRESS OR OFFICE LOCATION Val d'Or, Quebec

H	PRODUCT SPILLED Drill Cuttings	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 50 L	U.N. NUMBER N/A
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A
I	SPILL SOURCE Cutting Tub	SPILL CAUSE Equipment Failure	AREA OF CONTAMINATION IN SQUARE METRES 3
J	FACTORS AFFECTING SPILL OR RECOVERY N/A	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

On February 26, 2023, while drilling on lake A19 the water recovery pan overflowed spilling 50 L of drill cuttings on the frozen lake. Clean up the cuttings was initiated and final cleanup will occur after the hole is complete and the drill equipment is removed. No cuttings entered the water body as they were contained on the surface of the ice cover. The coordinates of the spill are 63 0'21.70"N 92 9'39.09"W

Pursuant to Part H, Section 4c of the Water License, a follow-up report will be issued after a closer investigation is completed.

Reported by Brett Fairbairn Environment Coordinator 819-759-3555 ext. 4603996 Brett.Fairbairn@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY Brett Fairbairn	POSITION Env. Coordinator	EMPLOYER AEM	LOCATION CALLING FROM Meliadine	TELEPHONE 819-759-3555
M	ANY ALTERNATE CONTACT Sara Savoie	POSITION General Supervisor	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meliadine	ALTERNATE TELEPHONE 819-856-9349

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

March 18th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-068 – Release of 50 L of Drill Cuttings Water Meliadine Gold Project Lake A19

On February 26th 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 50 L of drill cutting water at the Meliadine Gold Project (spill location coordinates: 63° 0' 21.70" N, 92° 9' 39.09" W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water Licence, part H, item 4c
- the Fisheries Act subsection 38(7)

Description of Incident

On February 26th, 2023, at approximately 8:00 am, an estimated 50 L of drill cuttings water was spilled onto the ice surface on lake A19. The generator powering the water recovery pan pump failed allowing the water recovery pan to overflow. The spill was located on Lake A19, as seen in Figure 1.

Figure 1: Location of the drill cuttings water spill.

Spill Response and Remediation

The driller stopped the water pressure pump to prevent additional water from entering the water recovery pan and stopped the overflow. The generator powering the water recovery pan pump was

repaired and restarted to lower the volume in the water recovery pan. Clean up of the spilled material occurred on March 14th, 2023, immediately after the drill setup was demobilized from this location. The impacted snow and ice was disposed of on the Waste Rock Storage Facility 3 (WRSF3).

Root Cause and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- The failure of the drill site generator resulted in a power loss to the water recovery pan pump allowing it to continue to fill from the water pressure pump.
- Water contaminated fuel was identified in the fuel filter sight glass resulting in a generator failure.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- A signal light has been installed in the drills to notify the driller of a generator failure.
- Operating instructions to shut down the water pressure pump during a generator failure has been provided to all drilling employees.
- Direction has been provided to all drilling employees to inspect fuel nozzle to ensure there is no snow inside prior to refueling equipment, therefore preventing equipment failure.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Brett Fairbairn | Environment Coordinator
brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photo 1: Drill cutting water spill.

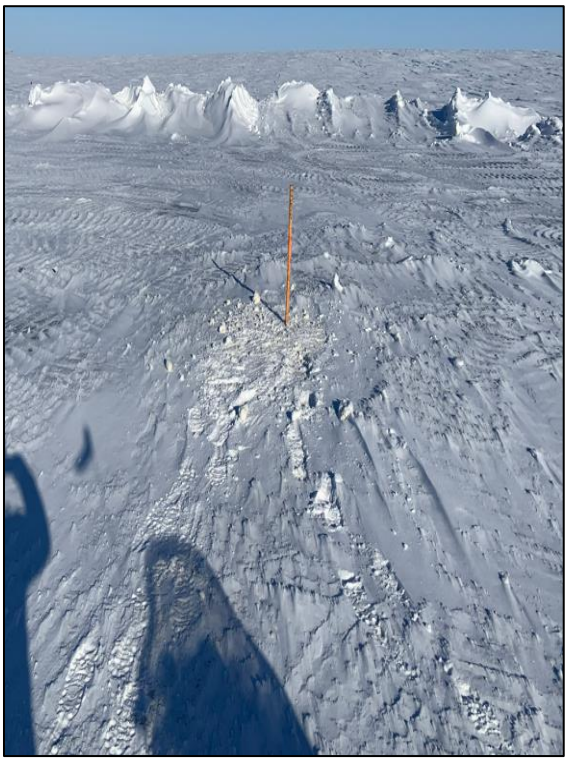

Photo 2: Drill cutting water spill post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **03-01-2023**	REPORT TIME **18:00**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **03-01-2023**	OCCURRENCE TIME **8:00**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **9 m3**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Main Camp Lift Station**	SPILL CAUSE **Equipment Failure**	AREA OF CONTAMINATION IN SQUARE METRES **1000 m2**
J	FACTORS AFFECTING SPILL OR RECOVERY **Infrastructure**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

An overflow of the main camp lift station resulted in a spill of 9 m3 of sewage to the industrial pad. The spill was contained to the local area. Clean up activities are underway.

The coordinates of the spill are 63º 2’ 23.60’’N, 92º 13’ 39.57’’W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 280 m north.

Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Brett Fairbairn, Environment Coordinator 819-759-3555 ext. 4603996
Brett.fairbairn@agnicoeagle.com , Sara.Savoie@agnicoeagle.com ext. 4603212

L	REPORTED TO SPILL LINE BY **Brett Fairbairn**	POSITION **Env. Coordinator**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Sara Savoie**	POSITION **General supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-856-9349**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

March 21st, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-073 – Release of 9 m^3 of Sewage at the Meliadine Gold Mine

On March 1st, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 9 m^3 of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 2’ 23.60" N, 92° 13' 39.57”). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On March 1st, 2023, at approximately 5:30 am, an estimated 9 m^3 of sewage was spilled to the industrial pad due to an equipment failure at the main camp lift station causing it to overflow. The original report indicated that this spill occurred at 8:00 am, following the assessment it was identified that the spill began at approximately 5:30 am. The spilled sewage migrated south and collected in the multiple service building (MSB) parking lot where it was contained, and cleanup was initiated. No water bodies were impacted by this spill. The closest water body (G2) is approximately 280 meters north, as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Spill Response and Remediation

The Energy and Infrastructure Maintenance supervisor was notified that the spill was occurring and switched the pumping system into manual mode to lower the lift station level and stop the release. The impacted area was scrapped using an excavator, and approximately 40 m^3 of sewage-impacted snow and ice was recovered. Due to the large volume of material that was generated from the spill remediation, Agnico Eagle requested authorization from CIRNAC, in consultation with KivIA, to transfer the sewage-impacted snow and ice within the Tiriganiaq Pit 2. A one-time authorization was granted on February 17th, 2023.

Tiriganiaq Pit 2 is currently used for interim storage of saline contact water from the underground mine. This water will be treated at the Saline Effluent Treatment Plant (SETP) prior to discharge to sea at Melvin Bay to meet the MDMER discharge criteria.

AGNICO EAGLE
MELIADINE

Root Causes and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- The float level detection system failed, resulting in the overflow.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- Installation of an ultrasonic level sensor to ensure reliable lift station levels. Completed March 15th, 2023.

Additional corrective actions for the Meliadine sewage system include the following:

- Installation of individual spill containment at wing lift stations – completed.
- Replacing pump blades at lift stations – completed.
- Development of reliability tracking tools to identify the cause of failure and improve response time – completed.
- Upgrades to lift station instrumentation to provide early warning of potential spills – in progress.
- Adding remote IO (input/output) panels to monitor each wing lift stations for faults – in progress.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

AGNICO EAGLE

Brett Fairbairn | Environment Coordinator
brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
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Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

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Photo 1: Sewage spill location.

Photo 2: Sewage spill post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 03-18-2023	REPORT TIME 08:30	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 03-17-2023	OCCURRENCE TIME 14:00		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL11D01	WATER LICENCE NUMBER (IF APPLICABLE) 2BB-MEL1424
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Mine	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES 63 MINUTES 2 SECONDS 21	LONGITUDE DEGREES 92 MINUTES 13 SECONDS 41
F	RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines Ltd.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut, X0C 0G0
G	ANY CONTRACTOR INVOLVED Orbit Garant	CONTRACTOR ADDRESS OR OFFICE LOCATION Val d'Or, Quebec

H	PRODUCT SPILLED Hydraulic oil	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 1 L	U.N. NUMBER N/A
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A
I	SPILL SOURCE Hydraulic line	SPILL CAUSE Unknown	AREA OF CONTAMINATION IN SQUARE METRES 0.25
J	FACTORS AFFECTING SPILL OR RECOVERY N/A	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

A worker identified a 1 L hydraulic oil spill at Orbit Drill 31 located on Lake A8. The spill was observed after a hydraulic line was pinch while preparing to move the drill. Spill pads were placed to absorb the spill and the impacted snow and ice was recovered and placed in the contaminated snow cell at the mine site. No oil entered the water body as it was contained on the surface of the ice cover. The coordinates of the spill are 63 0'31.9"N, 92 12'04.1"W.

Pursuant to Part H, Section 4c of the Water License, a follow-up report will be issued after a closer assessment is completed.

Reported by Brett Fairbairn, Environment Coordinator 819-759-3555 extension 4603996
Brett.Fairbairn@agnicoeagle.com

L	REPORTED TO SPILL LINE BY Brett Fairbairn	POSITION Env. Coordinator	EMPLOYER AEM	LOCATION CALLING FROM Meliadine	TELEPHONE 819-759-3555
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION General Supervisor	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meliadine	ALTERNATE TELEPHONE 819-860-1033

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

April 14th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-104 – Release of 1 L of Hydraulic Oil Meliadine Gold Mine Lake A8

On March 18th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 1 L of hydraulic oil at the Meliadine Gold Mine (spill location coordinates: 63° 0' 31.9" N, 92° 12' 04.1" W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water Licence, part H, item 4c
- the Fisheries Act subsection 38(7)

Description of Incident

On March 17th, 2023, at approximately 14:00, an estimated 1 L of hydraulic oil was spilled onto the ice surface on Lake A8 as seen in Figure 1. While lowering the drill tower to relocate the drill a hydraulic line was pinched spilling hydraulic oil within the drill and into the water recovery pan. After the water recovery pan was removed and the drill relocated, remnant oil from under the drill floor was observed on the snow.

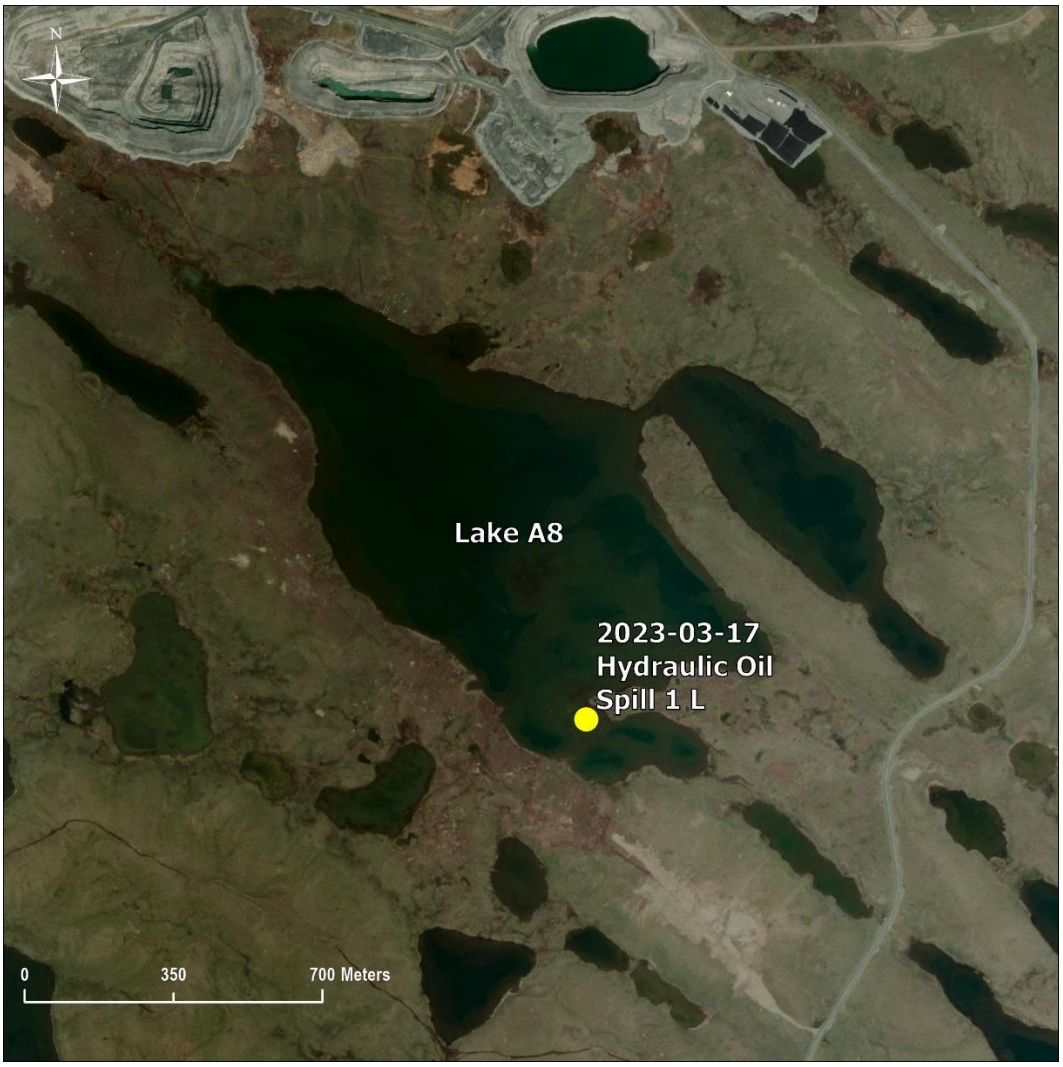


Figure 1: Location of the 1 L hydraulic oil spill.

Spill Response and Remediation

Absorbent pads were deployed to absorb the free oil and disposed of in a Quatrex bag at the Meliadine mine site. The remaining impacted snow and ice was recovered with a shovel and bucket and transferred to the contaminated snow cell at the mine site, to be treated through the Oil Water Separator.

Root Cause and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- The length of the hydraulic line was determined to be too long and allowed excess to become pinched when the tower was lowered.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- A hydraulic line of suitable length was installed.
- Direction has been provided to all drilling employees to inspect hydraulic lines before a drill move begins.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Brett Fairbairn | Environment Coordinator
brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

Appendix – Photos

Photo 1: 1 L hydraulic oil spill location.

Photo 2: 1 L hydraulic oil spill post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 03-29-2023	REPORT TIME 17:45	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 03-29-2023	OCCURRENCE TIME 13:25		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL11D01	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Project	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES 63 MINUTES 2 SECONDS 21	LONGITUDE DEGREES 92 MINUTES 13 SECONDS 41
F	RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines Ltd.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut, X0C 0G0
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A

H	PRODUCT SPILLED Untreated sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 5 Litres	U.N. NUMBER N/A
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A
I	SPILL SOURCE MSB Lift Station	SPILL CAUSE Equipment failure	AREA OF CONTAMINATION IN SQUARE METRES 1
J	FACTORS AFFECTING SPILL OR RECOVERY N/A	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

A 5 L sewage spill was identified next to the Multi Service Building (MSB) lift station on the industrial pad after the sucker truck was emptied. The spill froze in place and was contained to the local area.

The coordinates of the spill are 63º 2’ 21.24’’N, 92º 13’ 40.67’’W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 325 m northwest.

Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.
Reported by Randy Schwandt, Environment Coordinator 819-759-3555 ext. 4603996
randy.schwandt@agnicoeagle.com , kyle.conway@agnicoeagle.com ext. 4603212

L	REPORTED TO SPILL LINE BY Randy Schwandt	POSITION Env. Coordinator	EMPLOYER AEM	LOCATION CALLING FROM Meliadine	TELEPHONE 819-759-3555
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION General Supervisor	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meliadine	ALTERNATE TELEPHONE 819-860-1033

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

April 17th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-124 – Release of 2 L of Sewage at the Meliadine Gold Mine

On March 29th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 5 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 2' 21.24" N, 92° 13' 10.67" W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On March 29th, 2023, at approximately 13:25 pm, an estimated 2 L of sewage was spilled onto the industrial pad due to a condensation buildup in the air intake pipe of the vacuum truck. The contaminated material was cleaned up with a loader and the material has been placed in Landfarm A. The initial NT/NU Spill Report indicated that 5 L of sewage was released but after further assessment it was determined that 2 L was released. No water bodies were impacted by this spill. The closest water body (G2) is approximately 325 meters northwest, as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Spill Response and Remediation

The operator notified his supervisor of the incident. The supervisor then contacted the environment department to assess the spill. The contaminated ice and gravel were excavated and brought to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- Operational procedure was missing a step indicating to bleed the air vent on the vacuum truck at the end of each shift.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- Procedure update to incorporate the bleeding of the Vacuum truck at the end of each shift.
- Procedure updated to include a secondary containment installed under the air intake pipe while vacuum truck is in use.
- Procedure has been reviewed with all operators and is scheduled to be reviewed with other crew.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Brett Fairbairn | Environment Coordinator
brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

Appendix – Photos

Photo 1: Sewage spill location.

Photo 2: Sewage spill post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **04-04-2022**	REPORT TIME **9:05**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **04-03-2022**	OCCURRENCE TIME **21:00**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Hydraulic oil**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **100 litres**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Tote**	SPILL CAUSE **Human Error**	AREA OF CONTAMINATION IN SQUARE METRES **6**
J	FACTORS AFFECTING SPILL OR RECOVERY **N/A**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

Operator was reversing a haul truck by dome 3 and came in contact with a tote causing 100 L of hydraulic oil to be released on the ground. Spill clean up is currently on-going.

The coordinates of the spill are 63º 1’ 37.07’’N, 92º 12’ 39.92’’W. No water bodies were impacted by this spill. The nearest natural water body (H5) is 620 m North North East.

Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Randy Schwandt, Environment Coordinator 819-759-3555 ext. 4603996
Randy.Schwandt@agnicoeagle.com , Kyle.Conway@agnicoeagle.com ext. 4603212

L	REPORTED TO SPILL LINE BY **Randy Schwandt**	POSITION **Env. Coordinator**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Kyle Conway**	POSITION **General supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-860-1033**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

April 28, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re.: Follow-up Report Spill #2023-129 – Release of 100 L of hydraulic oil at the Meliadine Gold Mine

On April 3rd, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 100 L of hydraulic oil at the Meliadine Gold Mine site (spill location coordinates: 63° 1’ 37.07"N, 92° 12' 39.92”). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On April 3rd, 2023, at approximately 9:00 pm, an estimated 100 L of hydraulic oil was spilled on the ground at the front entrance of Dome 3. While arranging equipment around the dome, an underground haul truck came in contact with a tote, causing a small crack on the tote and flipping it on its side.

No water bodies were impacted by this spill. The closest water body (H5) is approximately 620 meters north northeast, as seen in Figure 1.

Figure 1: Location of the hydraulic spill and proximity to water bodies.

Spill Response and Remediation

The immediate response from the employee was to request a loader to flip the tote back on its side to prevent any further hydraulic oil from leaking from the tote. The tote was then brought inside Dome 3 where it was pumped and transferred to another tote. Spill rags were deployed on the free liquid and loader was used to scrape the contaminated surface. Contaminated absorbent rags that were disposed in of in a labeled quatrex bag which will brought to the hazardous waste laydown. An estimated of 1.5m^3 of contaminated material was excavated and brought to Landfarm A for treatment as per the Spill Contingency Plan .

Root Cause and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- Tote of hydraulic oil was temporarily stored outside of secondary containment.

- The operator did not use a spotter when reversing out of the area and came in contact with the tote of hydraulic oil.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- Storage of totes that contain potentially hazardous material will be placed inside Dome 3 (concrete pad is present).
- Underground supervisor to meet with crew and discuss the importance of always using a spotter.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Randy Schwandt | Environment Coordinator
randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photo 1: Post cleanup area

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **04-07-2023**	REPORT TIME **18:15**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **04-07-2023**	OCCURRENCE TIME **13:30**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Untreated sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **20 Litres**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Power Plant Washcar**	SPILL CAUSE **Human error**	AREA OF CONTAMINATION IN SQUARE METRES **1**
J	FACTORS AFFECTING SPILL OR RECOVERY **N/A**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

A 20 L sewage spill occurred by the power plant due to a miscommunication between operators when transferring sewage. The spill froze in place and was contained to the local area.

The coordinates of the spill are 63º 2’ 14.79’’N, 92º 13’ 25.64’’W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 595 m northwest.

Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.
Reported by Randy Schwandt, Environment Coordinator 819-759-3555 ext. 4603996
randy.schwandt@agnicoeagle.com , kyle.conway@agnicoeagle.com ext. 4603212

L	REPORTED TO SPILL LINE BY **Randy Schwandt**	POSITION **Env. Coordinator**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Kyle Conway**	POSITION **General Supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-860-1033**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

May 4th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-139 – Release of 20 L of Sewage at the Meliadine Gold Mine

On April 7th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 20 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 2' 14.79" N, 92° 13' 25.64" W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On April 7th, 2023, at approximately 13:30pm, an estimated 20 L of sewage was spilled onto the industrial pad by the powerplant wash car due to a miscommunication between the vacuum truck operators. During normal operations, both vacuum truck operators failed to confirm if hose was connected to the truck prior to transferring material from the lift station. No water bodies were impacted by this spill. The closest water body (G2) is approximately 595 meters northwest, as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Spill Response and Remediation

The operator notified his supervisor of the incident. The supervisor then contacted the environment department to assess the spill. The sewage-impacted snow was excavated and brought to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- Lack of communication between operators. Both employees had radios but did not use them to confirm that the hose between the lift station and the vacuum truck was secure before the sewage transfer.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- Reviewed procedure and put emphasis on the importance of communication when conducting a sewage transfer.
- Reiterated the importance of always confirming the hose connection before starting the vacuum truck.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Randy Schwandt | Environment Coordinator
randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited – Meliadine Mine, Suite 879 – Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

Appendix – Photos

AGNICO EAGLE
MELIADINE

Photo 1: 20 L Sewage spill at powerplant washcar.

Photo 2: 20 L Sewage spill post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **04-18-2023**	REPORT TIME **13:30**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **04-17-2023**	OCCURRENCE TIME **15:30**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVL302C268**	WATER LICENCE NUMBER (IF APPLICABLE) **2BB-MEL1424**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **Orbit Garant**	CONTRACTOR ADDRESS OR OFFICE LOCATION **Val d'Or, Quebec**

H	PRODUCT SPILLED **Drill Cuttings**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **40 L**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Unknown**	SPILL CAUSE **Unknown**	AREA OF CONTAMINATION IN SQUARE METRES **4**
J	FACTORS AFFECTING SPILL OR RECOVERY **N/A**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

On April 17th, 2023, while conducting a post drilling inspection approximately 40 L of drill cuttings were observed on the frozen water body. Clean up of the cuttings was initiated and will continue as part of the final drill site clean up. No cuttings entered the water body as they were contained on the surface of the ice cover. The coordinates of the spill are 63 2'07.3"N 92 3'47.8"W

Pursuant to Part H, Section 4c of the Water License, a follow-up report will be issued after a closer investigation is completed.

Reported by Brett Fairbairn Environment Coordinator 819-759-3555 ext. 4603996 Brett.Fairbairn@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY **Brett Fairbairn**	POSITION **Env. Coordinator**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Kyle Conway**	POSITION **General Supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-860-1033**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

AGNICO EAGLE
MELIADINE

May 14, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-151 – Release of 40 L of Drill Cuttings Meliadine Gold Mine, Unnamed Waterbody

On April 18th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 40 L of drill cuttings at the Meliadine Gold Mine (spill location coordinates: 63° 2' 07.3" N, 92° 3' 47.8" W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water Licence, part H, item 4c
- the Fisheries Act subsection 38(7)

Description of Incident

On April 16th and 17th, 2023, Orbit Garant Drilling was removing their drilling equipment from the ice surface of an unnamed waterbody approximately 7.5 kilometers east of the Meliadine Gold Mine industrial pad. At approximately 3:30 am on April 17th, the drill crew prepared to drag two skid-mounted units of drilling equipment, chained in series, behind a tractor. The last unit in the train was the cuttings recirculation unit. Due to the lack of daylight and the cuttings recirculation unit being at the back of the train, the drilling crew did not notice the spill of 40 L of drill cuttings to the ice surface as the equipment left the site. The spill was discovered during the post-drilling inspection on April 17th, 2023, at approximately 15:30. The location of the spill is shown in Figure 1.

As Agnico Eagle has not assessed this waterbody for fish presence, it is assumed to be frequented by fish, however, at the time of the incident the water body was frozen to bottom.

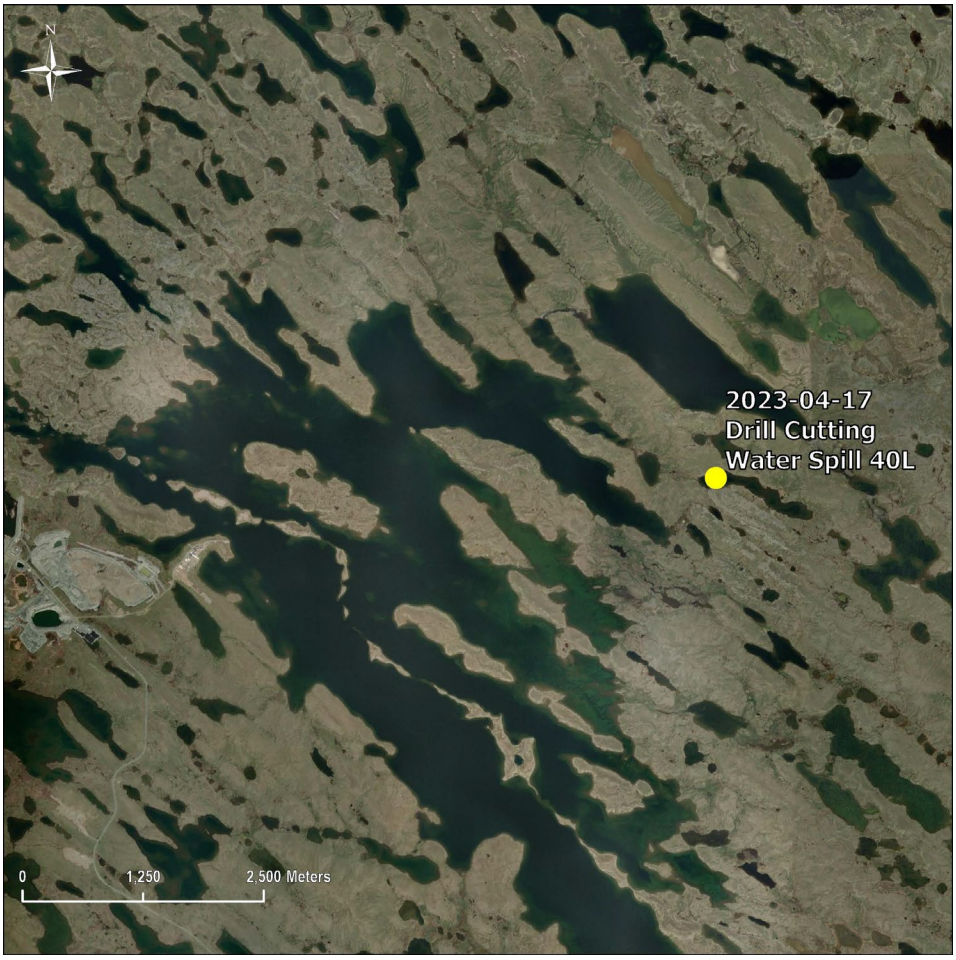


Figure 1: Drill Cuttings Spill Location.

Spill Response and Remediation

Logistical issues with equipment transportation to the spill site delayed the start of cleanup. Equipment was mobilized on April 20th, 2023, with a dozer, skid steer and an equipment sled used to recover the spilled drill cuttings. Final cleanup was complete on April 20th, 2023. The frozen material was scraped off the frozen waterbody surface and deposited in a natural depression previously used for drill cuttings disposal which was approved by the Environment Department.

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- Prior to conducting the move, the drill cutting recirculation unit was not cleaned.

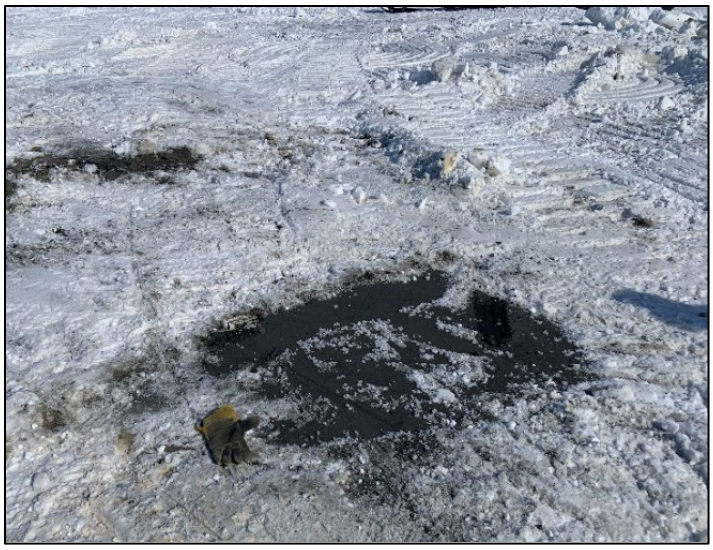
The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- The drill transportation procedure will be updated to ensure the cuttings recirculation unit is cleaned prior to transportation.
- The updated drill transportation procedure will be reviewed with the Orbit Garant drilling crews.

Brett Fairbairn | Environment Coordinator
brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos



Photos 1: 40 L Drill cuttings water spill.

Photos 2: 40 L drill cuttings water spill post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **05-05-2023**	REPORT TIME **12:30**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **04-05-2023**	OCCURRENCE TIME **12:00**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **10 Liters**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Sewage pipe**	SPILL CAUSE **Equipment failure**	AREA OF CONTAMINATION IN SQUARE METRES **1**
J	FACTORS AFFECTING SPILL OR RECOVERY **N/A**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

A fracture in the sewage pipe line at the fusion pads wash car resulted in a spill of 5 L of sewage being released on the fusion pad. The spill was contained to the local area and froze in place. The frozen sewage was cleaned up and brought to landfarm A for disposal.

The coordinates of the spill are 63º 1’ 18.74’’N, 92º11'25.93’’W. No water bodies were impacted by this spill. The nearest natural water body (J6) is 108 m south.
Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Randy Schwandt Environment Coordinator 819-759-3555 ext. 4603996 randy.schwandt@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY **Randy Schwandt**	POSITION **Env. Coordinator**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Kyle Conway**	POSITION **General supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-860-1033**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

May 27th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-183 – Release of 10 L of Sewage at the Meliadine Gold Mine

On May 5th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 20 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 1' 18.74" N, 92° 11' 25.93" W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On May 4th, 2023, at approximately 23:00, an estimated 10 L of sewage was spilled onto the fusion pad by the fusion pad wash car due to a fracture in the sewage line. No water bodies were impacted by this spill. The closest water body (J6) is approximately 108 meters south, as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Spill Response and Remediation

The operator notified his supervisor of the incident. The supervisor then contacted the environment department to assess the spill. The sewage-impacted gravel and ice was excavated and brought to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- The heat tracing system on the sewage piping had been damaged, leading to the heat trace failing and causing the sewage pipe to freeze and fracture.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- A Saniflo toilet system was installed which connects directly to each toilet, eliminating the need for an external holding tank and piping. The sewage line is now more protected from the weather elements and if a spill occurs, it will be contained within the trailer unit.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Randy Schwandt | Environment Coordinator
randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited – Meliadine Mine, Suite 879 – Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photos 1: Sewage spill location.

Photos 2: Spill location post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **05-08-2023**	REPORT TIME **11:20**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **05-07-2023**	OCCURRENCE TIME **14:00**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Suspended Solids**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **To be determined**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Snow melt containing sediment**	SPILL CAUSE **Freshet**	AREA OF CONTAMINATION IN SQUARE METRES **Unknown**
J	FACTORS AFFECTING SPILL OR RECOVERY **None**	DESCRIBE ANY ASSISTANCE REQUIRED **None**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **None**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

While conducting a routine inspection, runoff was observed flowing through the water management structures at monitoring station MEL-SR-1 at Itivia. Turbidity field readings show results indicative that TSS concentrations could exceed the NWB Water License 2AM-MEL1631 criteria for TSS. Sediment and erosion controls were deployed to mitigate the transport of sediment. This report is submitted as due diligence, as the water sample results from the laboratory have not yet been received. Location of spill: 62 47'59.85"N, 92 5'35.63"W. The closest water body (Melvin Bay) is approximately 75 m south.

Pursuant to Part H, Section 8c of the Water License, a follow-up report will be issued after a closer investigation is completed.

L	REPORTED TO SPILL LINE BY **Randy Schwandt**	POSITION **Env. Coordinator**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Kyle Conway**	POSITION **General supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-860-1033**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

AGNICO EAGLE
MELIADINE

June 6th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-189 – MEL-SR1 Surface Water Runoff at the Meliadine Gold Mine, Itivia Site

On May 8th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a potential Total Suspended Solids (TSS) exceedance at the Meliadine Gold Mine, Itivia site (spill location coordinates: 63° 47' 59.85" N, 92° 5' 35.63" W). Although the analytical results indicated that the water quality did not exceed the effluent criteria, the event was reported as due diligence before receiving analytical results.

This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with the following:

- Nunavut Water Board License 2AM-MEL1631 Water Licence, part H, item 8c.

Description of Incident

On May 7th, 2023, at approximately 2:00pm, surface runoff was observed at monitoring station MEL-SR-1, located at the south end of the Itivia site. Field turbidity measurements indicated a potential exceedance of the TSS effluent quality limits listed under Part D Item 18 of the 2AM-MEL1631 Water Licence. Samples were collected at MEL-SR-1 and sent to an external laboratory for analysis. Upstream monitoring indicated that sediment-laden runoff was entering the Itivia lease boundary and was not a result of the activities or infrastructure within the Itivia lease. Analytical results reported a concentration of 48 mg/L TSS, below the allowable TSS effluent quality limits listed under Part D Item 18 of the 2AM-MEL1631 Water Licence.

Discharge from the MEL-SR-1 monitoring location combines surface runoff from Rankin Inlet and the Itivia site. Runoff passes through a series of rock check dams and a settling basin designed to

reduce water velocity and allow suspended solids to settle out prior to flowing through the MEL-SR-1 culvert to Melvin Bay.

Figure 1: Location of the MEL-SR-1 and upstream monitoring locations.

Response and Remediation

In response to the elevated field turbidity readings and as per the Sediment and Erosion Management Plan, erosion, and sediment controls (ESC) were deployed to complement the existing rock check dams and settling basin to reduce the sediment load in the water flowing through the Itivia site. Combinations of ESC measures were installed and maintained at specific locations where erosion and sedimentation were observed. These installations were monitored and maintained throughout the runoff event. Both visual and analytical monitoring demonstrated the efficacy of these measures in reducing TSS at the MEL-SR-1 monitoring location.

Subsequent daily monitoring was conducted during the runoff event as due diligence. Analytical results for the monitoring duration are presented in Table 1. The Certificate of Analysis for the regulatory sample (May 7th, 2023) can be found in Appendix B.

Table 1. Analytical Results

Date	Total Suspended Solids (mg/L)			2AM-MEL1631, Part D. Item 18	
	Itivia Culvert West	Itivia Culvert East	Itivia Culver 1/MEL-SR-1	Maximum Monthly Mean Concentration	Maximum Concentration in a Grab Sample
07-May-23	-[1]	-[1]	48	50	100
08-May-23	180	280	30		
09-May-23	580	290	58		
10-May-23	78	140	46		
11-May-23	-[2]	150	9		
12-May-23	80	77	10		
13-May-23	-[3]	-[3]	14		
Average	229	187	30		

[1] No samples taken. In field turbidity readings: Upstream West 900NTU, Upstream East was inaccessible.
[2] Community grader on the road causing a lot of turbidity. No sample, water not representative.
[3] Samples not taken due to acceptable in field turbidity readings.

The monthly compliance sample collected on May 7th, 2023, did not exceed the Maximum Monthly Mean Concentration or the Maximum Concentration in a Grab Sample for TSS. The additional due diligence samples (May 8th – 13th) did not exceed these effluent quality limits for TSS.

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- Runoff entering the Itivia site has elevated TSS levels and is outside of Agnico Eagle's control.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- The ESCs in place at the Itivia site have demonstrated efficacy in the reduction of TSS concentrations. Agnico Eagle will continue to monitor and maintain these controls as required.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Kyle Conway | Environment General Supervisor
kyle.conway@agnicoeagle.com | Direct 819.759.3555 x4603212 | Mobile 819.860.1033
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix A – Photos

Photo 1 – Upstream east of Itivia site.

Photo 2 – Upstream east entering Itivia site.

Photo 3 – Upstream of MEL-SR-1.

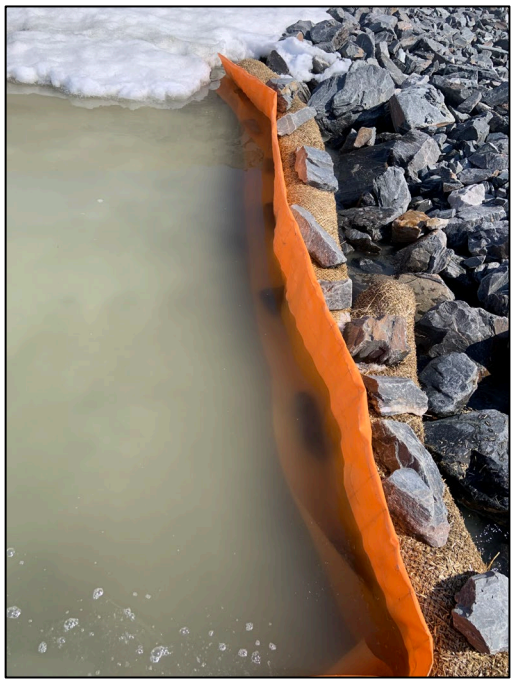


Photo 4 – Rock check dam at settling basin.

AGNICO EAGLE
MELIADINE

Appendix B – Certificate of Analysis

Your P.O. #: 1253250
Site Location: MELIADINE
Your C.O.C. #: n/a

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2023/06/05
Report #: R7657345
Version: 4 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C3D3620
Received: 2023/05/10, 09:30

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity	1	N/A	2023/05/11	CAM SOP-00448	SM 23 2320 B m
Chloride by Automated Colourimetry	1	N/A	2023/05/11	CAM SOP-00463	SM 23 4500-Cl E m
Fluoride	1	2023/05/11	2023/05/11	CAM SOP-00449	SM 23 4500-F C m
Mercury (low level)	1	2023/05/12	2023/05/12	CAM SOP-00453	EPA 7470 m
Low Level Chloride and Sulphate by AC (1)	1	N/A	2023/05/15	AB SOP-00020 / AB SOP-00018	SM24 4500-CL/SO4-E m
Cyanide, Strong Acid Dissociable (SAD) (1)	1	2023/05/15	2023/05/15	CAL SOP-00270	SM 23 4500-CN m
Hardness Total (calculated as CaCO3) (2, 3)	1	N/A	2023/05/15	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3) (2)	1	N/A	2023/05/16	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (2)	1	N/A	2023/05/16	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (dissolved) (2)	1	N/A	2023/05/15	BBY7SOP-00002	EPA 6020B R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (2)	1	2023/05/11	2023/05/15	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (total) (2)	1	2023/05/15	2023/05/15	BBY7SOP-00003/ BBY7SOP-00002	EPA 6020B R2 m
Silica (Reactive) (1)	1	N/A	2023/05/12	AB SOP-00011	EPA370.1 R1978 m
Total Ammonia-N	1	N/A	2023/05/12	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (4)	1	N/A	2023/05/12	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Total Oil and Grease	1	2023/05/11	2023/05/12	CAM SOP-00326	EPA1664B m,SM5520B m
pH	1	2023/05/11	2023/05/11	CAM SOP-00413	SM 4500H+ B m
Orthophosphate	1	N/A	2023/05/11	CAM SOP-00461	SM 23 4500-P E m
Calculated Total Dissolved Solids	1	N/A	2023/05/17		Auto Calc
Total Dissolved Solids	1	2023/05/13	2023/05/15	CAM SOP-00428	SM 23 2540C m
Total Phosphorus (Colourimetric)	1	2023/05/11	2023/05/12	CAM SOP-00407	SM 23 4500-P I
Low Level Total Suspended Solids	1	2023/05/12	2023/05/12	CAM SOP-00428	SM 23 2540D m
Turbidity	1	N/A	2023/05/12	CAM SOP-00417	SM 23 2130 B m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCCFP, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Your P.O. #: 1253250
Site Location: MELIADINE
Your C.O.C. #: n/a

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2023/06/05
Report #: R7657345
Version: 4 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C3D3620

Received: 2023/05/10, 09:30

using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Calgary (19th), 4000 19th Street NE , Calgary, AB, T2E 6P8
(2) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5
(3) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).
(4) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C3D3620
Report Date: 2023/06/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: GL

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		VTX771			VTX771		
Sampling Date		2023/05/07 14:00			2023/05/07 14:00		
COC Number		n/a			n/a		
	UNITS	MEL-SR 1	RDL	QC Batch	MEL-SR 1 Lab-Dup	RDL	QC Batch
Calculated Parameters							
Calculated TDS	mg/L	67	1.0	8658891			
Dissolved Hardness (CaCO3)	mg/L	54.6	0.50	8668774			
Inorganics							
Total Ammonia-N	mg/L	0.11	0.050	8660268			
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	8668765			
Total Dissolved Solids	mg/L	50	10	8663532			
Fluoride (F-)	mg/L	<0.10	0.10	8659639			
Orthophosphate (P)	mg/L	0.011	0.010	8659395			
pH	pH	7.39		8659659			
Total Phosphorus	mg/L	0.12	0.020	8660160	0.11	0.020	8660160
Reactive Silica (SiO2)	mg/L	0.83	0.050	8668764			
Total Suspended Solids	mg/L	48	1	8661565			
Turbidity	NTU	6.9	0.1	8659827			
Alkalinity (Total as CaCO3)	mg/L	22	1.0	8659648			
Dissolved Chloride (Cl-)	mg/L	8.0	1.0	8659401			
Nitrite (N)	mg/L	<0.010	0.010	8659762			
Nitrate (N)	mg/L	<0.10	0.10	8659762			
Dissolved Sulphate (SO4)	mg/L	14	0.50	8668763			
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	8659762			
Metals							
Dissolved Aluminum (Al)	mg/L	0.0541	0.0030	8668776			
Total Aluminum (Al)	mg/L	1.36	0.0030	8668773			
Dissolved Antimony (Sb)	mg/L	<0.00050	0.00050	8668776			
Total Antimony (Sb)	mg/L	<0.00050	0.00050	8668773			
Dissolved Arsenic (As)	mg/L	0.00137	0.00010	8668776			
Total Arsenic (As)	mg/L	0.00295	0.00010	8668773			
Dissolved Barium (Ba)	mg/L	0.0134	0.0010	8668776			
Total Barium (Ba)	mg/L	0.0224	0.0010	8668773			
Dissolved Beryllium (Be)	mg/L	<0.00010	0.00010	8668776			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Bureau Veritas Job #: C3D3620
Report Date: 2023/06/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: GL

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		VTX771			VTX771		
Sampling Date		2023/05/07 14:00			2023/05/07 14:00		
COC Number		n/a			n/a		
	UNITS	MEL-SR 1	RDL	QC Batch	MEL-SR 1 Lab-Dup	RDL	QC Batch
Total Beryllium (Be)	mg/L	<0.00010	0.00010	8668773			
Dissolved Bismuth (Bi)	mg/L	<0.0010	0.0010	8668776			
Total Bismuth (Bi)	mg/L	<0.0010	0.0010	8668773			
Dissolved Boron (B)	mg/L	<0.050	0.050	8668776			
Total Boron (B)	mg/L	<0.050	0.050	8668773			
Dissolved Cadmium (Cd)	mg/L	0.000013	0.000010	8668776			
Total Cadmium (Cd)	mg/L	0.000022	0.000010	8668773			
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	8668776			
Total Chromium (Cr)	mg/L	0.0076	0.0010	8668773			
Dissolved Cobalt (Co)	mg/L	0.00026	0.00020	8668776			
Total Cobalt (Co)	mg/L	0.00161	0.00020	8668773			
Dissolved Copper (Cu)	mg/L	0.00348	0.00020	8668776			
Total Copper (Cu)	mg/L	0.00736	0.00050	8668773			
Dissolved Iron (Fe)	mg/L	0.0261	0.0050	8668776			
Total Iron (Fe)	mg/L	2.28	0.010	8668773			
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	8668776			
Total Lead (Pb)	mg/L	0.00118	0.00020	8668773			
Dissolved Lithium (Li)	mg/L	0.0065	0.0020	8668776			
Total Lithium (Li)	mg/L	0.0070	0.0020	8668773			
Dissolved Manganese (Mn)	mg/L	0.0299	0.0010	8668776			
Total Manganese (Mn)	mg/L	0.0532	0.0010	8668773			
Dissolved Molybdenum (Mo)	mg/L	<0.0010	0.0010	8668776			
Total Molybdenum (Mo)	mg/L	<0.0010	0.0010	8668773			
Dissolved Nickel (Ni)	mg/L	0.0012	0.0010	8668776			
Total Nickel (Ni)	mg/L	0.0051	0.0010	8668773			
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	8668776			
Total Selenium (Se)	mg/L	<0.00010	0.00010	8668773			
Dissolved Silicon (Si)	mg/L	0.36	0.10	8668776			
Total Silicon (Si)	mg/L	2.17	0.10	8668773			
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	8668776			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Bureau Veritas Job #: C3D3620
Report Date: 2023/06/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: GL

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		VTX771			VTX771		
Sampling Date		2023/05/07 14:00			2023/05/07 14:00		
COC Number		n/a			n/a		
	UNITS	MEL-SR 1	RDL	QC Batch	MEL-SR 1 Lab-Dup	RDL	QC Batch
Total Silver (Ag)	mg/L	<0.000020	0.000020	8668773			
Dissolved Strontium (Sr)	mg/L	0.174	0.0010	8668776			
Total Strontium (Sr)	mg/L	0.151	0.0010	8668773			
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	8668776			
Total Thallium (Tl)	mg/L	0.000016	0.000010	8668773			
Dissolved Tin (Sn)	mg/L	<0.0050	0.0050	8668776			
Total Tin (Sn)	mg/L	<0.0050	0.0050	8668773			
Dissolved Titanium (Ti)	mg/L	<0.0050	0.0050	8668776			
Total Titanium (Ti)	mg/L	0.0546	0.0050	8668773			
Dissolved Uranium (U)	mg/L	0.00032	0.00010	8668776			
Total Uranium (U)	mg/L	0.00036	0.00010	8668773			
Dissolved Vanadium (V)	mg/L	<0.0050	0.0050	8668776			
Total Vanadium (V)	mg/L	<0.0050	0.0050	8668773			
Dissolved Zinc (Zn)	mg/L	0.0095	0.0050	8668776			
Total Zinc (Zn)	mg/L	0.0252	0.0050	8668773			
Dissolved Zirconium (Zr)	mg/L	<0.00010	0.00010	8668776			
Total Zirconium (Zr)	mg/L	0.00037	0.00010	8668773			
Dissolved Calcium (Ca)	mg/L	17.8	0.050	8668775			
Total Calcium (Ca)	mg/L	17.0	0.050	8668772			
Dissolved Magnesium (Mg)	mg/L	2.49	0.050	8668775			
Total Magnesium (Mg)	mg/L	3.17	0.050	8668772			
Dissolved Potassium (K)	mg/L	4.06	0.050	8668775			
Total Potassium (K)	mg/L	4.30	0.050	8668772			
Dissolved Sodium (Na)	mg/L	7.13	0.050	8668775			
Total Sodium (Na)	mg/L	6.64	0.050	8668772			
Dissolved Sulphur (S)	mg/L	4.7	3.0	8668775			
Total Sulphur (S)	mg/L	4.2	3.0	8668772			
Petroleum Hydrocarbons							
Total Oil & Grease	mg/L	2.1	0.50	8660010			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Bureau Veritas Job #: C3D3620
Report Date: 2023/06/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: GL

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		VTX771		
Sampling Date		2023/05/07 14:00		
COC Number		n/a		
	UNITS	MEL-SR 1	RDL	QC Batch
Calculated Parameters				
Total Hardness (CaCO3)	mg/L	55.6	0.50	8668771
Metals				
Mercury (Hg)	mg/L	<0.00001	0.00001	8661084

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3D3620
Report Date: 2023/06/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: GL

TEST SUMMARY

Bureau Veritas ID: VTX771
Sample ID: MEL-SR 1
Matrix: Water

Collected: 2023/05/07
Shipped:
Received: 2023/05/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8659648	N/A	2023/05/11	Kien Tran
Chloride by Automated Colourimetry	KONE	8659401	N/A	2023/05/11	Massarat Jan
Fluoride	ISE	8659639	2023/05/11	2023/05/11	Kien Tran
Mercury (low level)	CV/AA	8661084	2023/05/12	2023/05/12	Japneet Gill
Low Level Chloride and Sulphate by AC	KONE	8668763	N/A	2023/05/15	Adam Fishleigh
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8668765	2023/05/15	2023/05/15	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8668771	N/A	2023/05/15	Automated Statchk
Hardness (calculated as CaCO3)	CALC	8668774	N/A	2023/05/16	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8668775	N/A	2023/05/16	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8668776	N/A	2023/05/15	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8668772	2023/05/15	2023/05/15	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8668773	2023/05/15	2023/05/15	Andrew An
Silica (Reactive)	KONE	8668764	N/A	2023/05/12	Shanna McKort
Total Ammonia-N	LACH/NH4	8660268	N/A	2023/05/12	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8659762	N/A	2023/05/12	Chandra Nandlal
Total Oil and Grease	BAL	8660010	2023/05/11	2023/05/12	Kishan Patel
pH	AT	8659659	2023/05/11	2023/05/11	Kien Tran
Orthophosphate	KONE	8659395	N/A	2023/05/11	Massarat Jan
Calculated Total Dissolved Solids	CALC	8658891	N/A	2023/05/17	Automated Statchk
Total Dissolved Solids	BAL	8663532	2023/05/13	2023/05/15	Shaneil Hall
Total Phosphorus (Colourimetric)	SKAL/P	8660160	2023/05/11	2023/05/12	Sachi Patel
Low Level Total Suspended Solids	BAL	8661565	2023/05/12	2023/05/12	Darshan Patel
Turbidity	AT	8659827	N/A	2023/05/12	Gurparteek KAUR

Bureau Veritas ID: VTX771 Dup
Sample ID: MEL-SR 1
Matrix: Water

Collected: 2023/05/07
Shipped:
Received: 2023/05/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Phosphorus (Colourimetric)	SKAL/P	8660160	2023/05/11	2023/05/12	Sachi Patel

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GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	10.7°C

Revised Report (2023/06/05): Re-repoting requested by client.

Results relate only to the items tested.

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Bureau Veritas Job #: C3D3620
Report Date: 2023/06/05

QUALITY ASSURANCE REPORT

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: GL

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
8659395	Orthophosphate (P)	2023/05/11	90	75 - 125	91	80 - 120	<0.010	mg/L	0.65	20		
8659401	Dissolved Chloride (Cl-)	2023/05/11	95	80 - 120	91	80 - 120	<1.0	mg/L	1.5	20		
8659639	Fluoride (F-)	2023/05/11	96	80 - 120	99	80 - 120	<0.10	mg/L	2.8	20		
8659648	Alkalinity (Total as CaCO3)	2023/05/11			98	85 - 115	<1.0	mg/L	0.15	20		
8659659	pH	2023/05/11			102	98 - 103			0.15	N/A		
8659762	Nitrate (N)	2023/05/12	103	80 - 120	105	80 - 120	<0.10	mg/L	0.73	20		
8659762	Nitrite (N)	2023/05/12	102	80 - 120	103	80 - 120	<0.010	mg/L	NC	20		
8659827	Turbidity	2023/05/12			100	80 - 120	<0.1	NTU	5.1	20		
8660010	Total Oil & Grease	2023/05/12			99	85 - 115	<0.50	mg/L	0.25	25		
8660160	Total Phosphorus	2023/05/12	101	80 - 120	100	80 - 120	<0.020	mg/L	4.0	20	95	80 - 120
8660268	Total Ammonia-N	2023/05/12	95	75 - 125	99	80 - 120	<0.050	mg/L	0.37	20		
8661084	Mercury (Hg)	2023/05/12	117	75 - 125	106	80 - 120	<0.00001	mg/L	NC	20		
8661565	Total Suspended Solids	2023/05/12					<1	mg/L	13	20	96	85 - 115
8663532	Total Dissolved Solids	2023/05/15					<10	mg/L	17	20	98	90 - 110
8668763	Dissolved Sulphate (SO4)	2023/05/15	NC	80 - 120	100	80 - 120	<0.50	mg/L				
8668764	Reactive Silica (SiO2)	2023/05/12	NC	80 - 120	104	80 - 120	<0.050	mg/L				
8668765	Strong Acid Dissoc. Cyanide (CN)	2023/05/15	NC	80 - 120	107	80 - 120	<0.00050	mg/L				
8668773	Total Aluminum (Al)	2023/05/15	104	80 - 120	98	80 - 120	<0.0030	mg/L				
8668773	Total Antimony (Sb)	2023/05/15	108	80 - 120	103	80 - 120	<0.00050	mg/L				
8668773	Total Arsenic (As)	2023/05/15	108	80 - 120	100	80 - 120	<0.00010	mg/L				
8668773	Total Barium (Ba)	2023/05/15	105	80 - 120	99	80 - 120	<0.0010	mg/L				
8668773	Total Beryllium (Be)	2023/05/15	97	80 - 120	97	80 - 120	<0.00010	mg/L				
8668773	Total Bismuth (Bi)	2023/05/15	100	80 - 120	100	80 - 120	<0.0010	mg/L				
8668773	Total Boron (B)	2023/05/15	99	80 - 120	94	80 - 120	<0.050	mg/L				
8668773	Total Cadmium (Cd)	2023/05/15	105	80 - 120	102	80 - 120	<0.000010	mg/L				
8668773	Total Chromium (Cr)	2023/05/15	105	80 - 120	103	80 - 120	<0.0010	mg/L				
8668773	Total Cobalt (Co)	2023/05/15	100	80 - 120	99	80 - 120	<0.00020	mg/L				
8668773	Total Copper (Cu)	2023/05/15	99	80 - 120	98	80 - 120	<0.00050	mg/L				
8668773	Total Iron (Fe)	2023/05/15	106	80 - 120	105	80 - 120	<0.010	mg/L				
8668773	Total Lead (Pb)	2023/05/15	102	80 - 120	98	80 - 120	<0.00020	mg/L				
8668773	Total Lithium (Li)	2023/05/15	94	80 - 120	94	80 - 120	<0.0020	mg/L				

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
8668773	Total Manganese (Mn)	2023/05/15	105	80 - 120	102	80 - 120	<0.0010	mg/L				
8668773	Total Molybdenum (Mo)	2023/05/15	112	80 - 120	104	80 - 120	<0.0010	mg/L				
8668773	Total Nickel (Ni)	2023/05/15	102	80 - 120	101	80 - 120	<0.0010	mg/L				
8668773	Total Selenium (Se)	2023/05/15	107	80 - 120	104	80 - 120	<0.00010	mg/L				
8668773	Total Silicon (Si)	2023/05/15	NC	80 - 120	112	80 - 120	<0.10	mg/L				
8668773	Total Silver (Ag)	2023/05/15	104	80 - 120	101	80 - 120	<0.000020	mg/L				
8668773	Total Strontium (Sr)	2023/05/15	111	80 - 120	98	80 - 120	<0.0010	mg/L				
8668773	Total Thallium (Tl)	2023/05/15	103	80 - 120	99	80 - 120	<0.000010	mg/L				
8668773	Total Tin (Sn)	2023/05/15	107	80 - 120	104	80 - 120	<0.0050	mg/L				
8668773	Total Titanium (Ti)	2023/05/15	107	80 - 120	101	80 - 120	<0.0050	mg/L				
8668773	Total Uranium (U)	2023/05/15	108	80 - 120	101	80 - 120	<0.00010	mg/L				
8668773	Total Vanadium (V)	2023/05/15	108	80 - 120	103	80 - 120	<0.0050	mg/L				
8668773	Total Zinc (Zn)	2023/05/15	101	80 - 120	101	80 - 120	<0.0050	mg/L				
8668773	Total Zirconium (Zr)	2023/05/15	111	80 - 120	99	80 - 120	<0.00010	mg/L				
8668776	Dissolved Aluminum (Al)	2023/05/16	96	80 - 120	97	80 - 120	<0.0030	mg/L	NC	20		
8668776	Dissolved Antimony (Sb)	2023/05/16	101	80 - 120	99	80 - 120	<0.00050	mg/L	NC	20		
8668776	Dissolved Arsenic (As)	2023/05/16	103	80 - 120	100	80 - 120	<0.00010	mg/L	1.5	20		
8668776	Dissolved Barium (Ba)	2023/05/16	NC	80 - 120	99	80 - 120	<0.0010	mg/L	0.57	20		
8668776	Dissolved Beryllium (Be)	2023/05/16	94	80 - 120	96	80 - 120	<0.00010	mg/L	NC	20		
8668776	Dissolved Bismuth (Bi)	2023/05/16	94	80 - 120	98	80 - 120	<0.0010	mg/L	NC	20		
8668776	Dissolved Boron (B)	2023/05/16	97	80 - 120	99	80 - 120	<0.050	mg/L	NC	20		
8668776	Dissolved Cadmium (Cd)	2023/05/16	97	80 - 120	98	80 - 120	<0.000010	mg/L	NC	20		
8668776	Dissolved Chromium (Cr)	2023/05/16	96	80 - 120	97	80 - 120	<0.0010	mg/L	NC	20		
8668776	Dissolved Cobalt (Co)	2023/05/16	89	80 - 120	93	80 - 120	<0.00020	mg/L	NC	20		
8668776	Dissolved Copper (Cu)	2023/05/16	91	80 - 120	96	80 - 120	<0.00020	mg/L	3.5	20		
8668776	Dissolved Iron (Fe)	2023/05/16	101	80 - 120	99	80 - 120	<0.0050	mg/L	NC	20		
8668776	Dissolved Lead (Pb)	2023/05/16	93	80 - 120	97	80 - 120	<0.00020	mg/L	NC	20		
8668776	Dissolved Lithium (Li)	2023/05/16	91	80 - 120	93	80 - 120	<0.0020	mg/L	NC	20		
8668776	Dissolved Manganese (Mn)	2023/05/16	95	80 - 120	97	80 - 120	<0.0010	mg/L	NC	20		
8668776	Dissolved Molybdenum (Mo)	2023/05/16	102	80 - 120	101	80 - 120	<0.0010	mg/L	NC	20		
8668776	Dissolved Nickel (Ni)	2023/05/16	92	80 - 120	96	80 - 120	<0.0010	mg/L	NC	20		

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
8668776	Dissolved Selenium (Se)	2023/05/16	100	80 - 120	99	80 - 120	<0.00010	mg/L	14	20		
8668776	Dissolved Silicon (Si)	2023/05/16	NC	80 - 120	107	80 - 120	<0.10	mg/L	1.2	20		
8668776	Dissolved Silver (Ag)	2023/05/16	98	80 - 120	100	80 - 120	<0.000020	mg/L	NC	20		
8668776	Dissolved Strontium (Sr)	2023/05/16	NC	80 - 120	100	80 - 120	<0.0010	mg/L	0.25	20		
8668776	Dissolved Thallium (Tl)	2023/05/16	97	80 - 120	100	80 - 120	<0.000010	mg/L	NC	20		
8668776	Dissolved Tin (Sn)	2023/05/16	101	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
8668776	Dissolved Titanium (Ti)	2023/05/16	99	80 - 120	99	80 - 120	<0.0050	mg/L	NC	20		
8668776	Dissolved Uranium (U)	2023/05/16	101	80 - 120	100	80 - 120	<0.00010	mg/L	2.4	20		
8668776	Dissolved Vanadium (V)	2023/05/16	98	80 - 120	98	80 - 120	<0.0050	mg/L	NC	20		
8668776	Dissolved Zinc (Zn)	2023/05/16	90	80 - 120	97	80 - 120	<0.0050	mg/L	NC	20		
8668776	Dissolved Zirconium (Zr)	2023/05/16	104	80 - 120	100	80 - 120	<0.00010	mg/L	NC	20		

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Bureau Veritas Job #: C3D3620
Report Date: 2023/06/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: GL

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Anastassia Hamanov, Scientific Specialist

Cristina Carriere, Senior Scientific Specialist

David Huang, BBY Scientific Specialist

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by {0}, {1} responsible for {2} {3} laboratory operations.

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Bureau Veritas Job #: C3D3620
Report Date: 2023/06/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: GL

Exceedance Summary Table – Metal Mining Effluent Reg

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **05-22-2023**	REPORT TIME **13:00**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **05-22-2023**	OCCURRENCE TIME **00:30**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **200 L**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **MSB Lift Station**	SPILL CAUSE **Equipment Failure**	AREA OF CONTAMINATION IN SQUARE METRES **1 m2**
J	FACTORS AFFECTING SPILL OR RECOVERY **Infrastructure**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

An overflow of the lift station for the Multi-Service Building resulted in a spill of 200 L of sewage to the industrial pad. The spill was contained to the local area. Clean up activities were immediately undertaken. The coordinates of the spill are 63° 2'21.73" N, 92°13'40.84" W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 310 m north.

Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Brett Fairbairn, Environment Coordinator 819-759-3555 ext. 4603996
Brett.fairbairn@agnicoeagle.com , Sara.Savoie@agnicoeagle.com ext. 4603212

L	REPORTED TO SPILL LINE BY **Brett Fairbairn**	POSITION **Env. Coordinator**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Sara Savoie**	POSITION **General supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-856-9349**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

June 16, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-211 – Release of 200 L of Sewage at the Meliadine Gold Mine

On May 22nd, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 200 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 2' 21.73" N, 92° 13' 40.84"W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On May 22nd, 2023, at approximately 12:30 am, an estimated 200 L of sewage was spilled to the industrial pad due to faulty levels indicator at the MSB lift station causing it to overflow. A worker discovered the spill occurring and notified his supervisor.

No water bodies were impacted by this spill. The closest water body (G2) is approximately 325 meters northwest, as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Spill Response and Remediation

The Energy and Infrastructure Maintenance Supervisor was notified that the spill was occurring and immediately sent a plumber to stop the spill and troubleshoot the issue. The impacted area was cleaned up using a vacuum truck. Approximately 100 L of liquid was recovered and returned to the Sewage Treatment Plant. The contaminated solid material was excavated and was placed in the Landfarm A sorting area to be screened before being placed in Landfarm A.

Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root cause and contributing factors. The investigation concluded with the following:

- The float detection system failed, resulting in the overflow.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- Installation of a new float mechanism.
- An improved ultrasonic level sensor has been ordered and will be installed in this list station.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

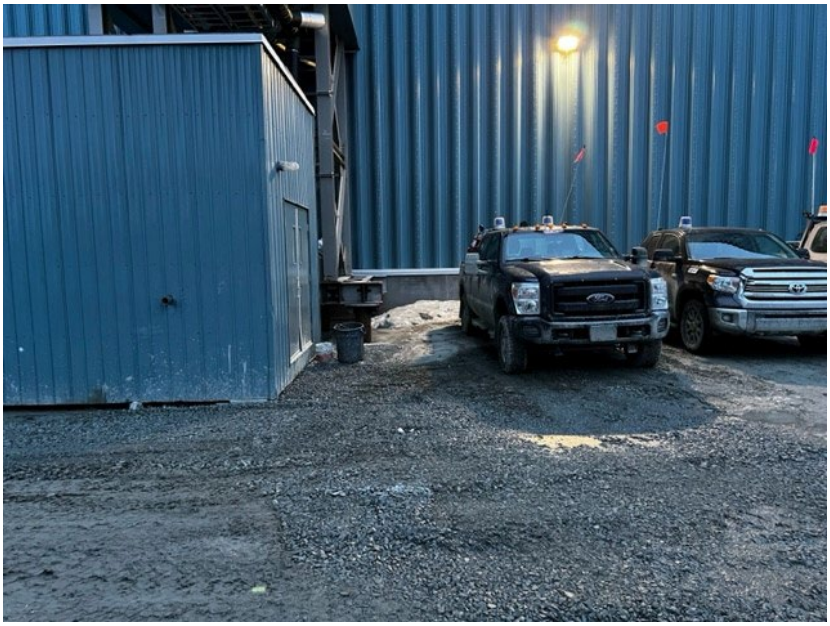
AGNICO EAGLE

Brett Fairbairn | Environment Coordinator
brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photos 1: Sewage spill location.



Photos 2: Spill location post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 05-23-2023	REPORT TIME 07:00	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 05-22-2023	OCCURRENCE TIME 7:30		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL11D01	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Project	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES 63 MINUTES 2 SECONDS 21	LONGITUDE DEGREES 92 MINUTES 13 SECONDS 41
F	RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines Ltd.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut, X0C 0G0
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A

H	PRODUCT SPILLED Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 15 Liters	U.N. NUMBER N/A
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A
I	SPILL SOURCE Vacuum truck connection	SPILL CAUSE Equipment Failure	AREA OF CONTAMINATION IN SQUARE METRES 0.5
J	FACTORS AFFECTING SPILL OR RECOVERY none	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

A suction hose connection failed on the vacuum truck while doing routine sewage collection at the the temporary power plant wash car resulting in a 15 L spill of sewage to the industrial pad.

The coordinates of the spill are 63º 2’ 15’’N, 92º 13' 29’’W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 565 m west.
Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Brett Fairbairn, Environment Coordinator 819-759-3555 ext. 4603996, Brett.Fairbairn@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY Brett Fairbairn	POSITION Env. Coordinator	EMPLOYER AEM	LOCATION CALLING FROM Meliadine	TELEPHONE 819-759-3555
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION General Supervisor	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meliadine	ALTERNATE TELEPHONE 819-860-1033

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

June 15, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-213 – Release of 15 L of Sewage at the Meliadine Gold Mine

On May 23rd, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 15 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 2' 15" N, 92° 13' 29" W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On May 22nd, 2023, at approximately 07:30, an estimated 15 L of sewage was spilled onto the industrial pad by the temporary power plant wash car due to a connection failure. No water bodies were impacted by this spill. The closest water body (G2) is approximately 565 meters west, as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Response and Remediation

The operator notified his supervisor of the incident. The supervisor then contacted the environment department to assess the spill. The sewage-impacted gravel and ice was excavated and brought to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- Missing gasket on the camlock which connects the vacuum truck to the wash car.
- The vacuum truck hose was not properly inspected prior to use.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- A new gasket was installed within the camlock to prevent future leaks.
- The supervisor met with employees to review the importance of performing complete checks on their equipment/tools before proceeding with their jobs.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

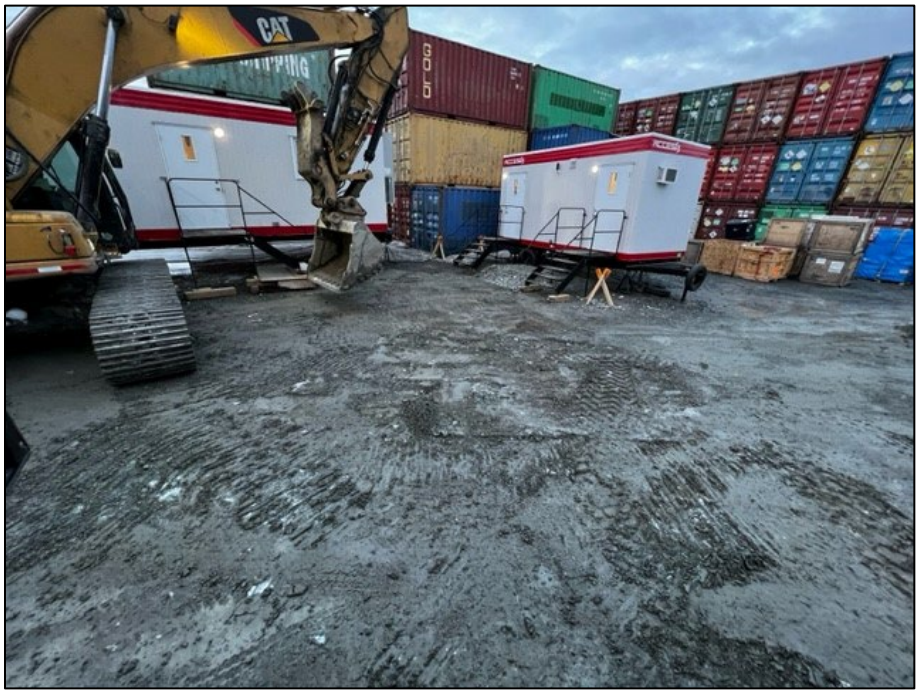
AGNICO EAGLE

Brett Fairbairn | Environment Coordinator
brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photos 1: Sewage spill location.



Photos 2: Spill location post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 2023-05-23	REPORT TIME 13:00	[X] ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 2023-05-23	OCCURRENCE TIME 10:30		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL11D01	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Mine	REGION ☐ NWT [X] NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES 63 MINUTES 2' SECONDS 42	LONGITUDE DEGREES 92 MINUTES 13 SECONDS 57
F	RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines Ltd	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut, X0X 0G0
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A

H	PRODUCT SPILLED Grey water	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 1 m3	U.N. NUMBER N/A
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER N/A
I	SPILL SOURCE Distribution pipe	SPILL CAUSE Broken pipe	AREA OF CONTAMINATION IN SQUARE METRES 26
J	FACTORS AFFECTING SPILL OR RECOVERY Spill beneath infrastructure	DESCRIBE ANY ASSISTANCE REQUIRED None	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT None

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

During a routine inspection of the kitchen area, an employee identified that a grey water distribution pipe had failed releasing and estimated 1 m3 on to the industrial pad. The employee stopped the spill and reported the incident to their supervisor.

The coordinates of the spill are 63° 2'25.42"N, 92°13'37.57"W. No water bodies were impacted by this spill. The closest water body (G2) is 277 meter north west.

Pursuant to part H, Section 4c of the Water License 2AM-MEL 1631, a follow up report will be issued after the investigation completed.

Reported by

L	REPORTED TO SPILL LINE BY Kyle Conway	POSITION Env. Supervisor	EMPLOYER AEM	LOCATION CALLING FROM Meliadine	TELEPHONE 819-860-1033
M	ANY ALTERNATE CONTACT Randy Schwandt	POSITION Env. Coordinator	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meliadine	ALTERNATE TELEPHONE 819-759-3555

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

June 21st, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-215 – Release of 1 m^3 of kitchen grey water at the Meliadine Gold Mine

On May 23rd, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 1m^3 of grey water at the Meliadine Gold Mine site (spill location coordinates: 63°2'25.42"N, 92°13'37.57"W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On May 23rd, 2023, at approximately 10:30 am, an estimated 1m^3 of kitchen grey water was spilled to the industrial pad due to a cracked drainpipe. A worker identified the spill during an inspection around the kitchen area and notified their supervisor.

No water bodies were impacted by this spill. The closest water body (G2) is approximately 277 meters northwest, as seen in Figure 1.

Figure 1: Location of the grey water spill and proximity to water bodies.

Spill Response and Remediation

The Energy and Infrastructure Maintenance Supervisor was notified of the spill and immediately shut off the water supply to the kitchen to prevent further leakage. Health and safety concerns limited equipment and personnel access to the spill location and prevented the Maintenance Team from recovering the spilled material. Due to the topography of the area and the freezing conditions at the time of the spill, the spill did not migrate from the footprint of the building, and will be reclaimed when the infrastructure is dismantled.

Root Causes and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- The weight of ice/snow melt on the drainpipe and a missing support caused the failure of the drainpipe.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- Additional support has been added to the drainpipe.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

AGNICO EAGLE

Brett Fairbairn | Environment Coordinator
brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

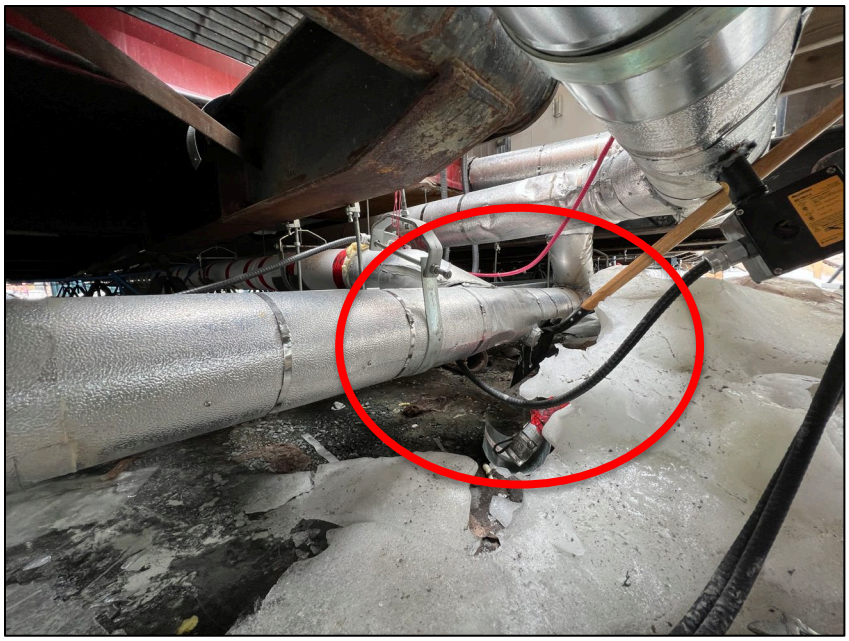


Photo 1: Grey water spill location and source.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **06-06-2023**	REPORT TIME **12:10**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **06-06-2023**	OCCURRENCE TIME **7:30**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **10 Liters**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Assay Lab Lift Station**	SPILL CAUSE **Equipment Failure**	AREA OF CONTAMINATION IN SQUARE METRES **1**
J	FACTORS AFFECTING SPILL OR RECOVERY **N/A**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

An overflow of the assay lab lift station resulted in a 10 L spill of sewage to the industrial pad. The spill was contained to the local area. Absorbent pads were deployed upon discovery of the spill.

The coordinates of the spill are 63º 2’ 17.5’’N, 92º13'37.2’’W. No water bodies were impacted by this spill. The nearest natural water body (Lake G2) is 450 m north.
Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Spencer Knowles Environment Technician 819-759-3555 ext. 4603903 spencer.knowles@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY **Spencer Knowles**	POSITION **Env. Technician**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Kyle Conway**	POSITION **General supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-860-1033**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

July 4th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-243 – Release of 10 L of Sewage at the Meliadine Gold Project

On June 6th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 10 L of sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2' 17.5" N, 92° 13' 37.2" W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On June 6th, 2023, at approximately 7:30 am, an estimated 10 L of sewage was spilled onto the industrial pad at the Assay Lab lift station. During a routine lift station inspection an employee noticed that the lift station overflowing and manually initiated the pump to lower the level. The spilled sewage was contained to the local area. No water bodies were impacted by this spill. The closest water body (G2) is approximately 450 meters north, as seen in Figure 1.

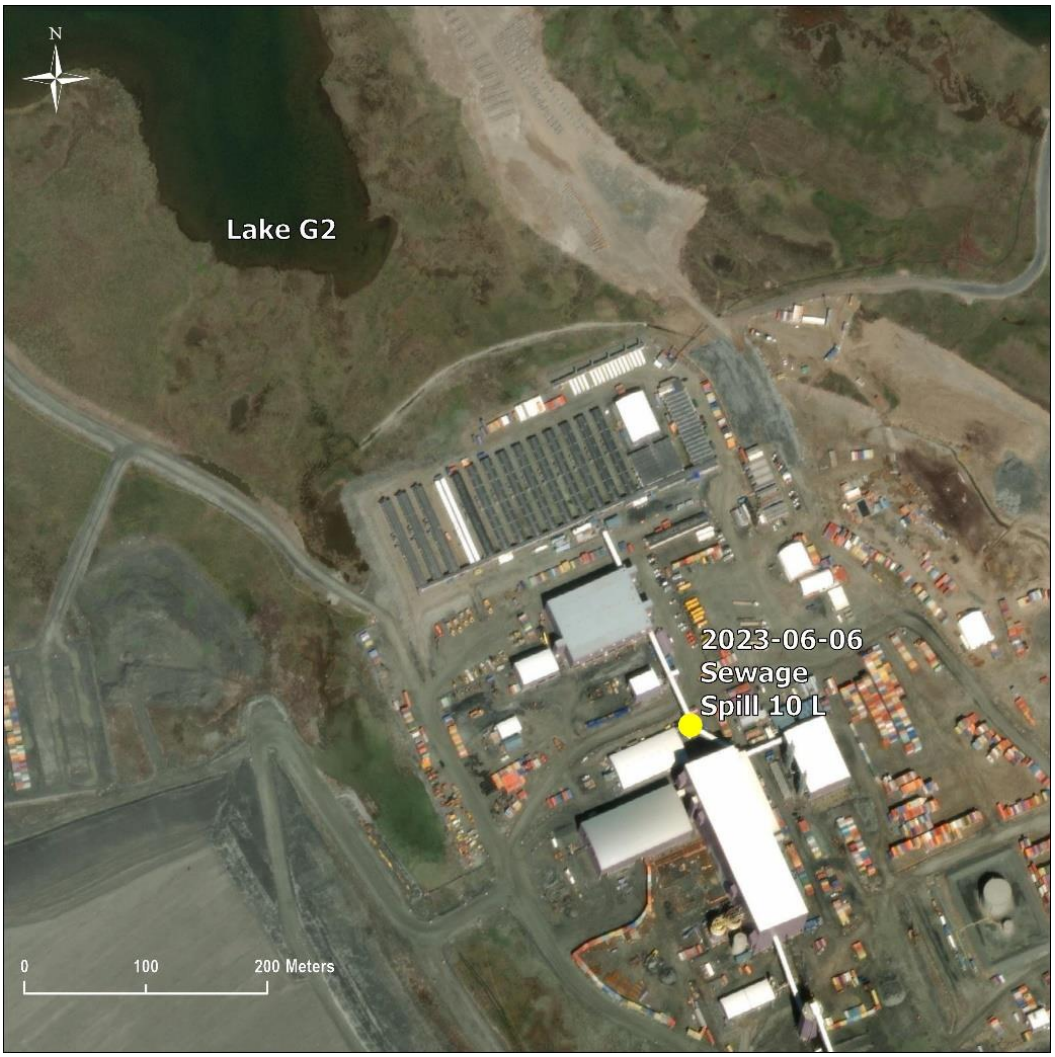


Figure 1: Location of the sewage spill and proximity to water bodies.

Spill Response and Remediation

The employee switched the pump from the automatic to the manual setting to lower the level of the tank and prevent further spillage. Absorbent pads were used to collect most of the free liquid on the ground. However, a residual amount of material accumulated underneath the lift station enclosure and is inaccessible. This area will be remediated upon decommissioning of the lift station enclosure.

Root Cause and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- The float system was damaged due to accumulation of oil, grease and debris.
- The float was stuck in the up position triggering the pump to run to failure.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- The float system was replaced.
- Plumbers have been instructed to inspect the float system during their regular preventive maintenance checks. This proactive approach aims to identify and address any instances where a float may be stuck in the raised activated position.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Randy Schwandt | Environment Coordinator
randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

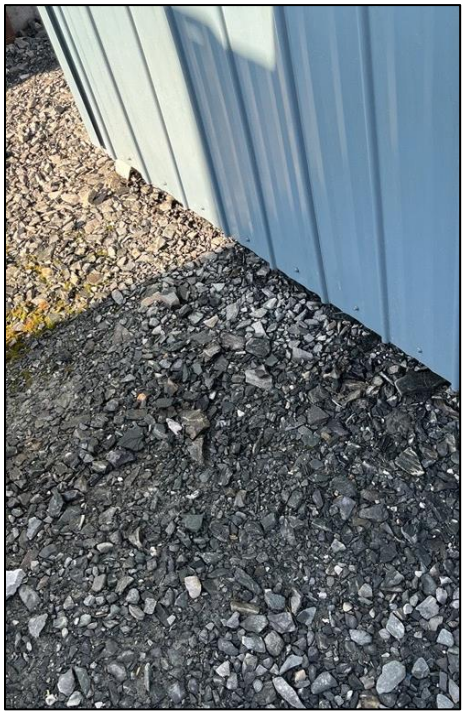


Photo 1: Sewage spill location.

Photo 2: Sewage spill post remediation.

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OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

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TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **06-08-2023**	REPORT TIME **06:00**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **06-07-2023**	OCCURRENCE TIME **08:00**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Suspended Solids**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **To be determined**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Runoff containing sediment**	SPILL CAUSE **Culvert failure during rainfall**	AREA OF CONTAMINATION IN SQUARE METRES **Unknown**
J	FACTORS AFFECTING SPILL OR RECOVERY **None**	DESCRIBE ANY ASSISTANCE REQUIRED **None**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **None**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

The culvert located at Itivia failed during a significant rainfall event resulting in water to flow over the road upstream of sample location MEL-SR1. Turbidity field readings at MEL-SR1 show results indicative that TSS concentrations could exceed TSS criteria under Part D Item 18 of the NWB Water Licence 2AM-MEL1631. Mitigation measures were implemented to reduce the transport of sediment and flow through the culvert has resumed. This report is submitted as due diligence, as the water sample results from the laboratory have not yet been received. Location of spill: 62 47'59.85"N, 92 5'35.63"W. The closest water body (Melvin Bay) is approximately 75 m south.

Pursuant to Part H, Section 8c of the Water License, a follow-up report will be issued after a closer investigation is completed.

L	REPORTED TO SPILL LINE BY **Brett Fairbairn**	POSITION **Env. Coordinator**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Matt Gillman**	POSITION **Env. Superintendent**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-759-3555**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

July 5th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-246 – MEL-SR-1 Runoff at the Meliadine Gold Project

On June 7th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a potential Total Suspended Solids (TSS) exceedance at the Meliadine Gold Mine, Itivia site (spill location coordinates: 62 47'59.85''N, 92 5'35.63"W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c;
- subsection 38(7) of the Fisheries Act.

Description of Incident

On June 7th, 2023, at approximately 4:00 am, the two culverts situated at Itivia sustained damage during a 1 in 50-year rainfall event. Due to substantial water accumulation within the catchment basin, the buoyancy force of air within the submerged culverts exceeded the weight of the culverts and cover resulting in uplift of the upstream portions of the culverts. Water could no longer be conveyed through the culverts and an unknown volume of water flowed over the roadway upstream of sample location MEL-SR-1. The MEL-SR-1 monitoring station is located at the southern end of Itivia and flows out to Melvin Bay approximately 75 meters to the south.

Field measurements of turbidity indicated a potential exceedance of the Total Suspended Solids (TSS) effluent quality limits specified under Part D Item 18 of the 2AM-MEL1631 Water Licence.

Samples were collected at MEL-SR-1 and subsequently sent to an external laboratory for analysis. The closest water body (Melvin Bay) is.

Figure 1: Location of the MEL-SR-1 and upstream monitoring locations.

Response and Remediation

Following the Sediment and Erosion Management Plan, the Energy and Infrastructure Department undertook measures to mitigate sediment mobilization and transport caused by overflowing water on the road. These measures included;

1. Pumping water from the upstream to the downstream side of the culvert to prevent water from overflowing onto the roadway;
2. Facilitate unimpeded water passage by pressing the culvert inlets down to their original position using heavy equipment;
3. Installation of supplementary sediment control straw logs and wood logs.

As a result of these interventions, the water flow across the road was stopped within the first hour of implementation. Field monitoring also indicated that actions taken and flow recession resulted in a significant decrease in water turbidity, as shown by the event reading at 283 NTU in the morning and the subsequent reading in evening at 19 NTU. As required, regulatory and due diligence samples were collected during the event and later in afternoon. Analytical results for the monitoring duration are presented in Table 1. The Certificate of Analysis for the regulatory sample and due diligence sample (June 7th, 2023) can be found in Appendix B.

Analytical results for MEL-SR-1 reported a concentration of 2,300 mg/L TSS in the morning, exceeding the allowable TSS effluent quality limits listed under Part D Item 18 of the 2AM-MEL1631 Water Licence. Subsequent sampling later in the day reported a concentration of 13 mg/L, below the allowable TSS effluent quality limits listed under Part D Item 18 of the 2AM-MEL1631 Water Licence.

The results show that the response and remediation measures effectively addressed the issue of sediment transport and helped restore the desired flow conditions.

Table 1. Analytical Results

Date	Total Suspended Solids (mg/L)			2AM-MEL1631, Part D. Item 18	
	Itivia Culvert West	Itivia Culvert East	Itivia Culver 1/MEL-SR-1	Maximum Monthly Mean Concentration	Maximum Concentration in a Grab Sample
07-Jun-23 (AM)	58	140	**2,300**	50	100
07-Jun-23 (PM)	43	35	13[1]		

[1] Laboratory duplicate sample result 15 mg/L.

Root Cause and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- The culvert was not designed to manage the runoff amplitude of the June 7th rainfall event. The design of the culverts was based on a 1 in 25-year return period, while the environment received an actual rainfall of 50.7 mm per day, equivalent to a 1 in 50-year return period. It is also worth noting that the 50.7 mm of rainfall was received within only a few hours, contributing to an amplified instantaneous runoff rate. As the culvert was not designed for this rate of runoff, the upstream basin was flooded above the inlet of the culvert;
- The uncovered sections of the culverts were too long, and the buoyancy force of the air within the submerged culvert temporarily exceeded the weight of the culvert and cover material causing uplift of the upstream portions; and
- The inlets of the culverts may have been partially blocked by erosion and sediment control installations.

The following corrective and preventative actions have been or will be implemented to address the root cause and to reduce the likelihood of reoccurrence:

- Cut off damaged inlets to allow water flow through culverts until permanent repairs or replacements can be made (completed);
- Until the culverts are repaired or replaced, ensure that a pump with sufficient pumping capacity will be left at the culvert and be ready to operate as soon as an extreme event is forecasted;
- Repair or replace culverts during dry season (fall/winter);
- Consider designing the repaired or replaced culverts to manage rainfall events of greater magnitude, relative to original design;
- Ensure that design and associated construction provide sufficient cover of upstream culvert portions to prevent damage if flooding within the upstream basin occurs again;
- Ensure there is no potential for culvert inlets to become obstructed by sediment and erosion controls during large runoff events;

- Carry out an assessment of all culverts on the Meliadine site, All Weather Access Road (AWAR), and Bypass Road to ensure a similar risk does not exist elsewhere; and
- Share learnings of this event with other Agnico Eagle operations to ensure similar occurrences do not happen at other Agnico Eagle operations.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

AGNICO EAGLE

Kyle Conway | Environment General Supervisor
kyle.conway@agnicoeagle.com | Direct 819.759.3555 x4603212 | Mobile 819.860.1033
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

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Appendix A – Photos

Photo 1 – Situation upon arrival.

Photo 2 – 1h after response.

Photo 3 – Temporary repair to the culvert inlets.

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MELIADINE

Appendix B – Certificate of Analysis

Your P.O. #: 1253250
Site Location: MELIADINE
Your C.O.C. #: n/a

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2023/07/05
Report #: R7701768
Version: 6 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C3H2457
Received: 2023/06/13, 09:21

Sample Matrix: Water
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity	6	N/A	2023/06/17	CAM SOP-00448	SM 23 2320 B m
Chloride by Automated Colourimetry	6	N/A	2023/06/19	CAM SOP-00463	SM 23 4500-Cl E m
Fluoride	6	2023/06/16	2023/06/19	CAM SOP-00449	SM 23 4500-F C m
Mercury (low level)	6	2023/06/17	2023/06/19	CAM SOP-00453	EPA 7470 m
Low Level Chloride and Sulphate by AC (1)	6	N/A	2023/06/21	AB SOP-00020 / AB SOP-00018	SM24 4500-CL/SO4-E m
Cyanide, Strong Acid Dissociable (SAD) (1)	6	2023/06/20	2023/06/20	CAL SOP-00270	SM 23 4500-CN m
Hardness Total (calculated as CaCO3) (2, 3)	6	N/A	2023/06/20	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3) (2)	6	N/A	2023/06/20	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (2)	6	N/A	2023/06/20	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (dissolved) (2)	6	N/A	2023/06/19	BBY7SOP-00002	EPA 6020B R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (2)	6	2023/06/14	2023/06/20	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (total) (2)	6	2023/06/19	2023/06/20	BBY7SOP-00003/ BBY7SOP-00002	EPA 6020B R2 m
Silica (Reactive) (1)	6	N/A	2023/06/22	AB SOP-00011	EPA370.1 R1978 m
Total Ammonia-N	6	N/A	2023/06/20	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (4)	2	N/A	2023/06/16	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Nitrate & Nitrite as Nitrogen in Water (4)	4	N/A	2023/06/20	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Total Oil and Grease	6	2023/06/19	2023/06/19	CAM SOP-00326	EPA1664B m,SM5520B m
pH	6	2023/06/16	2023/06/17	CAM SOP-00413	SM 4500H+ B m
Orthophosphate	6	N/A	2023/06/19	CAM SOP-00461	SM 23 4500-P E m
Calculated Total Dissolved Solids	6	N/A	2023/06/26		Auto Calc
Total Dissolved Solids	6	2023/06/17	2023/06/19	CAM SOP-00428	SM 23 2540C m
Total Phosphorus (Colourimetric)	6	2023/06/19	2023/06/19	CAM SOP-00407	SM 23 4500-P I
Low Level Total Suspended Solids	1	2023/06/16	2023/06/19	CAM SOP-00428	SM 23 2540D m
Low Level Total Suspended Solids	5	2023/06/19	2023/06/19	CAM SOP-00428	SM 23 2540D m
Turbidity	3	N/A	2023/06/16	CAM SOP-00417	SM 23 2130 B m
Turbidity	3	N/A	2023/06/17	CAM SOP-00417	SM 23 2130 B m

Remarks:

Your P.O. #: 1253250
Site Location: MELIADINE
Your C.O.C. #: n/a

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2023/07/05
Report #: R7701768
Version: 6 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C3H2457

Received: 2023/06/13, 09:21

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCCFP, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Calgary (19th), 4000 19th Street NE , Calgary, AB, T2E 6P8
(2) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5
(3) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).
(4) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF242			WCF242		
Sampling Date		2023/06/07 17:40			2023/06/07 17:40		
COC Number		n/a			n/a		
	UNITS	MEL-SR1	RDL	QC Batch	MEL-SR1 Lab-Dup	RDL	QC Batch
Calculated Parameters							
Calculated TDS	mg/L	310	1.0	8726407			
Dissolved Hardness (CaCO3)	mg/L	201	0.50	8742770			
Inorganics							
Total Ammonia-N	mg/L	<0.050	0.050	8736022			
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	8744245			
Total Dissolved Solids	mg/L	375	10	8730858			
Fluoride (F-)	mg/L	0.11	0.10	8732820			
Orthophosphate (P)	mg/L	<0.010	0.010	8735096			
pH	pH	7.92		8732822			
Total Phosphorus	mg/L	0.031	0.020	8736026			
Reactive Silica (SiO2)	mg/L	2.1	0.050	8748928			
Total Suspended Solids	mg/L	13	1	8730856	15	1	8730856
Turbidity	NTU	2.8	0.1	8732167	2.9	0.1	8732167
Alkalinity (Total as CaCO3)	mg/L	120	1.0	8732819			
Dissolved Chloride (Cl-)	mg/L	56	1.0	8735091			
Nitrite (N)	mg/L	<0.010	0.010	8732687			
Nitrate (N)	mg/L	<0.10	0.10	8732687			
Dissolved Sulphate (SO4)	mg/L	73	0.50	8744244			
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	8732687			
Metals							
Dissolved Aluminum (Al)	mg/L	0.0066	0.0030	8742772			
Total Aluminum (Al)	mg/L	0.301	0.0030	8742769			
Dissolved Antimony (Sb)	mg/L	<0.00050	0.00050	8742772			
Total Antimony (Sb)	mg/L	<0.00050	0.00050	8742769			
Dissolved Arsenic (As)	mg/L	0.00193	0.00010	8742772			
Total Arsenic (As)	mg/L	0.00268	0.00010	8742769			
Dissolved Barium (Ba)	mg/L	0.0326	0.0010	8742772			
Total Barium (Ba)	mg/L	0.0326	0.0010	8742769			
Dissolved Beryllium (Be)	mg/L	<0.00010	0.00010	8742772			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF242			WCF242		
Sampling Date		2023/06/07 17:40			2023/06/07 17:40		
COC Number		n/a			n/a		
	UNITS	MEL-SR1	RDL	QC Batch	MEL-SR1 Lab-Dup	RDL	QC Batch
Total Beryllium (Be)	mg/L	<0.00010	0.00010	8742769			
Dissolved Bismuth (Bi)	mg/L	<0.0010	0.0010	8742772			
Total Bismuth (Bi)	mg/L	<0.0010	0.0010	8742769			
Dissolved Boron (B)	mg/L	<0.050	0.050	8742772			
Total Boron (B)	mg/L	<0.050	0.050	8742769			
Dissolved Cadmium (Cd)	mg/L	0.000012	0.000010	8742772			
Total Cadmium (Cd)	mg/L	0.000013	0.000010	8742769			
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	8742772			
Total Chromium (Cr)	mg/L	0.0020	0.0010	8742769			
Dissolved Cobalt (Co)	mg/L	0.00022	0.00020	8742772			
Total Cobalt (Co)	mg/L	0.00054	0.00020	8742769			
Dissolved Copper (Cu)	mg/L	0.00294	0.00020	8742772			
Total Copper (Cu)	mg/L	0.00395	0.00050	8742769			
Dissolved Iron (Fe)	mg/L	0.0871	0.0050	8742772			
Total Iron (Fe)	mg/L	0.663	0.010	8742769			
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	8742772			
Total Lead (Pb)	mg/L	0.00031	0.00020	8742769			
Dissolved Lithium (Li)	mg/L	0.0063	0.0020	8742772			
Total Lithium (Li)	mg/L	0.0063	0.0020	8742769			
Dissolved Manganese (Mn)	mg/L	0.0142	0.0010	8742772			
Total Manganese (Mn)	mg/L	0.0205	0.0010	8742769			
Dissolved Molybdenum (Mo)	mg/L	0.0015	0.0010	8742772			
Total Molybdenum (Mo)	mg/L	0.0020	0.0010	8742769			
Dissolved Nickel (Ni)	mg/L	0.0035	0.0010	8742772			
Total Nickel (Ni)	mg/L	0.0057	0.0010	8742769			
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	8742772			
Total Selenium (Se)	mg/L	<0.00010	0.00010	8742769			
Dissolved Silicon (Si)	mg/L	0.88	0.10	8742772			
Total Silicon (Si)	mg/L	1.26	0.10	8742769			
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	8742772			

RDL = Reportable Detection Limit
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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF242			WCF242		
Sampling Date		2023/06/07 17:40			2023/06/07 17:40		
COC Number		n/a			n/a		
	UNITS	MEL-SR1	RDL	QC Batch	MEL-SR1 Lab-Dup	RDL	QC Batch
Total Silver (Ag)	mg/L	<0.000020	0.000020	8742769			
Dissolved Strontium (Sr)	mg/L	0.349	0.0010	8742772			
Total Strontium (Sr)	mg/L	0.331	0.0010	8742769			
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	8742772			
Total Thallium (Tl)	mg/L	<0.000010	0.000010	8742769			
Dissolved Tin (Sn)	mg/L	<0.0050	0.0050	8742772			
Total Tin (Sn)	mg/L	<0.0050	0.0050	8742769			
Dissolved Titanium (Ti)	mg/L	<0.0050	0.0050	8742772			
Total Titanium (Ti)	mg/L	0.0111	0.0050	8742769			
Dissolved Uranium (U)	mg/L	0.00129	0.00010	8742772			
Total Uranium (U)	mg/L	0.00126	0.00010	8742769			
Dissolved Vanadium (V)	mg/L	<0.0050	0.0050	8742772			
Total Vanadium (V)	mg/L	<0.0050	0.0050	8742769			
Dissolved Zinc (Zn)	mg/L	0.0065	0.0050	8742772			
Total Zinc (Zn)	mg/L	0.0089	0.0050	8742769			
Dissolved Zirconium (Zr)	mg/L	<0.00010	0.00010	8742772			
Total Zirconium (Zr)	mg/L	0.00020	0.00010	8742769			
Dissolved Calcium (Ca)	mg/L	64.2	0.050	8742771			
Total Calcium (Ca)	mg/L	58.1	0.050	8742768			
Dissolved Magnesium (Mg)	mg/L	9.94	0.050	8742771			
Total Magnesium (Mg)	mg/L	9.31	0.050	8742768			
Dissolved Potassium (K)	mg/L	6.46	0.050	8742771			
Total Potassium (K)	mg/L	6.09	0.050	8742768			
Dissolved Sodium (Na)	mg/L	30.0	0.050	8742771			
Total Sodium (Na)	mg/L	27.9	0.050	8742768			
Dissolved Sulphur (S)	mg/L	23.8	3.0	8742771			
Total Sulphur (S)	mg/L	22.1	3.0	8742768			
Petroleum Hydrocarbons							
Total Oil & Grease	mg/L	1.1	0.50	8736912			

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF243		WCF244		
Sampling Date		2023/06/07 17:25		2023/06/07 17:10		
COC Number		n/a		n/a		
	UNITS	ITIVIA CULVERT1 EAST	QC Batch	ITIVIA CULVERT1 WEST	RDL	QC Batch
Calculated Parameters						
Calculated TDS	mg/L	340	8726407	220	1.0	8726407
Dissolved Hardness (CaCO3)	mg/L	162	8742770	153	0.50	8742770
Inorganics						
Total Ammonia-N	mg/L	<0.050	8736022	<0.050	0.050	8736022
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	8744245	<0.00050	0.00050	8744245
Total Dissolved Solids	mg/L	385	8733678	255	10	8733678
Fluoride (F-)	mg/L	0.10	8732820	0.11	0.10	8732820
Orthophosphate (P)	mg/L	<0.010	8732795	<0.010	0.010	8732795
pH	pH	7.76	8732822	7.74		8732822
Total Phosphorus	mg/L	0.063	8736026	0.059	0.020	8736026
Reactive Silica (SiO2)	mg/L	1.1	8748928	2.9	0.050	8748928
Total Suspended Solids	mg/L	35	8730856	43	1	8730856
Turbidity	NTU	4.6	8732167	3.6	0.1	8731277
Alkalinity (Total as CaCO3)	mg/L	67	8732819	110	1.0	8732819
Dissolved Chloride (Cl-)	mg/L	67	8732803	34	1.0	8732803
Nitrite (N)	mg/L	<0.010	8732687	<0.010	0.010	8732104
Nitrate (N)	mg/L	0.48	8732687	<0.10	0.10	8732104
Dissolved Sulphate (SO4)	mg/L	110	8744244	41	0.50	8744244
Nitrate + Nitrite (N)	mg/L	0.48	8732687	<0.10	0.10	8732104
Metals						
Dissolved Aluminum (Al)	mg/L	0.0180	8742772	0.0128	0.0030	8742772
Total Aluminum (Al)	mg/L	0.507	8742769	3.32	0.0030	8742769
Dissolved Antimony (Sb)	mg/L	0.00107	8742772	<0.00050	0.00050	8742772
Total Antimony (Sb)	mg/L	0.00097	8742769	<0.00050	0.00050	8742769
Dissolved Arsenic (As)	mg/L	0.00160	8742772	0.00086	0.00010	8742772
Total Arsenic (As)	mg/L	0.00231	8742769	0.00320	0.00010	8742769
Dissolved Barium (Ba)	mg/L	0.0196	8742772	0.0399	0.0010	8742772
Total Barium (Ba)	mg/L	0.0221	8742769	0.0811	0.0010	8742769
Dissolved Beryllium (Be)	mg/L	<0.00010	8742772	<0.00010	0.00010	8742772
Total Beryllium (Be)	mg/L	<0.00010	8742769	<0.00010	0.00010	8742769

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF243		WCF244		
Sampling Date		2023/06/07 17:25		2023/06/07 17:10		
COC Number		n/a		n/a		
	UNITS	ITIVIA CULVERT1 EAST	QC Batch	ITIVIA CULVERT1 WEST	RDL	QC Batch
Dissolved Bismuth (Bi)	mg/L	<0.0010	8742772	<0.0010	0.0010	8742772
Total Bismuth (Bi)	mg/L	<0.0010	8742769	<0.0010	0.0010	8742769
Dissolved Boron (B)	mg/L	0.065	8742772	<0.050	0.050	8742772
Total Boron (B)	mg/L	0.061	8742769	<0.050	0.050	8742769
Dissolved Cadmium (Cd)	mg/L	0.000011	8742772	<0.000010	0.000010	8742772
Total Cadmium (Cd)	mg/L	0.000018	8742769	0.000031	0.000010	8742769
Dissolved Chromium (Cr)	mg/L	<0.0010	8742772	<0.0010	0.0010	8742772
Total Chromium (Cr)	mg/L	0.0032	8742769	0.0159	0.0010	8742769
Dissolved Cobalt (Co)	mg/L	0.00033	8742772	0.00052	0.00020	8742772
Total Cobalt (Co)	mg/L	0.00119	8742769	0.00369	0.00020	8742769
Dissolved Copper (Cu)	mg/L	0.00448	8742772	0.00400	0.00020	8742772
Total Copper (Cu)	mg/L	0.00727	8742769	0.0141	0.00050	8742769
Dissolved Iron (Fe)	mg/L	0.0115	8742772	0.126	0.0050	8742772
Total Iron (Fe)	mg/L	0.839	8742769	5.42	0.010	8742769
Dissolved Lead (Pb)	mg/L	<0.00020	8742772	<0.00020	0.00020	8742772
Total Lead (Pb)	mg/L	0.00033	8742769	0.00189	0.00020	8742769
Dissolved Lithium (Li)	mg/L	0.0030	8742772	0.0071	0.0020	8742772
Total Lithium (Li)	mg/L	0.0034	8742769	0.0119	0.0020	8742769
Dissolved Manganese (Mn)	mg/L	0.0149	8742772	0.0641	0.0010	8742772
Total Manganese (Mn)	mg/L	0.0258	8742769	0.133	0.0010	8742769
Dissolved Molybdenum (Mo)	mg/L	0.0015	8742772	0.0015	0.0010	8742772
Total Molybdenum (Mo)	mg/L	0.0015	8742769	0.0014	0.0010	8742769
Dissolved Nickel (Ni)	mg/L	0.0034	8742772	0.0038	0.0010	8742772
Total Nickel (Ni)	mg/L	0.0058	8742769	0.0124	0.0010	8742769
Dissolved Selenium (Se)	mg/L	0.00016	8742772	<0.00010	0.00010	8742772
Total Selenium (Se)	mg/L	0.00016	8742769	<0.00010	0.00010	8742769
Dissolved Silicon (Si)	mg/L	0.50	8742772	1.42	0.10	8742772
Total Silicon (Si)	mg/L	1.08	8742769	6.50	0.10	8742769
Dissolved Silver (Ag)	mg/L	<0.000020	8742772	<0.000020	0.000020	8742772
Total Silver (Ag)	mg/L	<0.000020	8742769	<0.000020	0.000020	8742769
Dissolved Strontium (Sr)	mg/L	0.172	8742772	0.311	0.0010	8742772

RDL = Reportable Detection Limit
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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF243		WCF244		
Sampling Date		2023/06/07 17:25		2023/06/07 17:10		
COC Number		n/a		n/a		
	UNITS	ITIVIA CULVERT1 EAST	QC Batch	ITIVIA CULVERT1 WEST	RDL	QC Batch
Total Strontium (Sr)	mg/L	0.152	8742769	0.310	0.0010	8742769
Dissolved Thallium (Tl)	mg/L	0.000015	8742772	<0.000010	0.000010	8742772
Total Thallium (Tl)	mg/L	0.000018	8742769	0.000059	0.000010	8742769
Dissolved Tin (Sn)	mg/L	<0.0050	8742772	<0.0050	0.0050	8742772
Total Tin (Sn)	mg/L	<0.0050	8742769	<0.0050	0.0050	8742769
Dissolved Titanium (Ti)	mg/L	<0.0050	8742772	<0.0050	0.0050	8742772
Total Titanium (Ti)	mg/L	0.0234	8742769	0.199	0.0050	8742769
Dissolved Uranium (U)	mg/L	0.00118	8742772	0.00081	0.00010	8742772
Total Uranium (U)	mg/L	0.00112	8742769	0.00096	0.00010	8742769
Dissolved Vanadium (V)	mg/L	<0.0050	8742772	<0.0050	0.0050	8742772
Total Vanadium (V)	mg/L	<0.0050	8742769	0.0097	0.0050	8742769
Dissolved Zinc (Zn)	mg/L	<0.0050	8742772	<0.0050	0.0050	8742772
Total Zinc (Zn)	mg/L	<0.0050	8742769	0.0207	0.0050	8742769
Dissolved Zirconium (Zr)	mg/L	<0.00010	8742772	0.00012	0.00010	8742772
Total Zirconium (Zr)	mg/L	0.00023	8742769	0.00085	0.00010	8742769
Dissolved Calcium (Ca)	mg/L	47.1	8742771	53.1	0.050	8742771
Total Calcium (Ca)	mg/L	43.9	8742768	52.4	0.050	8742768
Dissolved Magnesium (Mg)	mg/L	10.9	8742771	5.06	0.050	8742771
Total Magnesium (Mg)	mg/L	10.4	8742768	6.95	0.050	8742768
Dissolved Potassium (K)	mg/L	6.71	8742771	6.90	0.050	8742771
Total Potassium (K)	mg/L	6.26	8742768	7.60	0.050	8742768
Dissolved Sodium (Na)	mg/L	51.4	8742771	15.6	0.050	8742771
Total Sodium (Na)	mg/L	47.0	8742768	14.9	0.050	8742768
Dissolved Sulphur (S)	mg/L	36.1	8742771	12.7	3.0	8742771
Total Sulphur (S)	mg/L	32.6	8742768	11.5	3.0	8742768
Petroleum Hydrocarbons						
Total Oil & Grease	mg/L	1.5	8736912	1.0	0.50	8736912

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF245			WCF246		
Sampling Date		2023/06/07 10:20			2023/06/07 10:55		
COC Number		n/a			n/a		
	UNITS	MEL-SR1	RDL	QC Batch	ITIVIA CULVERT1 EAST	RDL	QC Batch
Calculated Parameters							
Calculated TDS	mg/L	310	1.0	8726407	320	1.0	8726407
Dissolved Hardness (CaCO3)	mg/L	190	0.50	8742770	151	0.50	8742770
Inorganics							
Total Ammonia-N	mg/L	0.055	0.050	8736022	0.058	0.050	8736022
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	8744245	<0.00050	0.00050	8744245
Total Dissolved Solids	mg/L	390	10	8730858	375	10	8733678
Fluoride (F-)	mg/L	<0.10	0.10	8732820	<0.10	0.10	8732820
Orthophosphate (P)	mg/L	<0.010	0.010	8732795	<0.010	0.010	8732795
pH	pH	7.83		8732822	7.78		8732822
Total Phosphorus	mg/L	0.50	0.020	8736026	0.14	0.020	8736026
Reactive Silica (SiO2)	mg/L	1.7	0.050	8748928	1.3	0.050	8748923
Total Suspended Solids	mg/L	2300	5	8730856	140	2	8730856
Turbidity	NTU	8.8	0.1	8732167	8.8	0.1	8731277
Alkalinity (Total as CaCO3)	mg/L	74	1.0	8732819	57	1.0	8732819
Dissolved Chloride (Cl-)	mg/L	58	1.0	8732803	70	1.0	8732803
Nitrite (N)	mg/L	<0.010	0.010	8732687	<0.010	0.010	8732687
Nitrate (N)	mg/L	0.18	0.10	8732687	0.43	0.10	8732687
Dissolved Sulphate (SO4)	mg/L	100	0.50	8744244	100	0.50	8744244
Nitrate + Nitrite (N)	mg/L	0.18	0.10	8732687	0.43	0.10	8732687
Metals							
Dissolved Aluminum (Al)	mg/L	0.0086	0.0030	8742772	0.0175	0.0030	8742772
Total Aluminum (Al)	mg/L	12.4	0.0060	8742769	4.54	0.0030	8742769
Dissolved Antimony (Sb)	mg/L	<0.00050	0.00050	8742772	0.00082	0.00050	8742772
Total Antimony (Sb)	mg/L	<0.0010	0.0010	8742769	0.00078	0.00050	8742769
Dissolved Arsenic (As)	mg/L	0.00157	0.00010	8742772	0.00124	0.00010	8742772
Total Arsenic (As)	mg/L	0.0159	0.00020	8742769	0.00520	0.00010	8742769
Dissolved Barium (Ba)	mg/L	0.0340	0.0010	8742772	0.0183	0.0010	8742772
Total Barium (Ba)	mg/L	0.141	0.0020	8742769	0.0573	0.0010	8742769
Dissolved Beryllium (Be)	mg/L	<0.00010	0.00010	8742772	<0.00010	0.00010	8742772
Total Beryllium (Be)	mg/L	<0.00020	0.00020	8742769	<0.00010	0.00010	8742769

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF245			WCF246		
Sampling Date		2023/06/07 10:20			2023/06/07 10:55		
COC Number		n/a			n/a		
	UNITS	MEL-SR1	RDL	QC Batch	ITIVIA CULVERT1 EAST	RDL	QC Batch
Dissolved Bismuth (Bi)	mg/L	<0.0010	0.0010	8742772	<0.0010	0.0010	8742772
Total Bismuth (Bi)	mg/L	<0.0020	0.0020	8742769	<0.0010	0.0010	8742769
Dissolved Boron (B)	mg/L	<0.050	0.050	8742772	0.065	0.050	8742772
Total Boron (B)	mg/L	<0.10	0.10	8742769	0.060	0.050	8742769
Dissolved Cadmium (Cd)	mg/L	<0.000010	0.000010	8742772	0.000014	0.000010	8742772
Total Cadmium (Cd)	mg/L	0.000084	0.000020	8742769	0.000052	0.000010	8742769
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	8742772	<0.0010	0.0010	8742772
Total Chromium (Cr)	mg/L	0.0637	0.0020	8742769	0.0244	0.0010	8742769
Dissolved Cobalt (Co)	mg/L	0.00022	0.00020	8742772	0.00032	0.00020	8742772
Total Cobalt (Co)	mg/L	0.0137	0.00040	8742769	0.00550	0.00020	8742769
Dissolved Copper (Cu)	mg/L	0.00314	0.00020	8742772	0.00752	0.00020	8742772
Total Copper (Cu)	mg/L	0.0451	0.0010	8742769	0.0261	0.00050	8742769
Dissolved Iron (Fe)	mg/L	0.0128	0.0050	8742772	0.0122	0.0050	8742772
Total Iron (Fe)	mg/L	19.9	0.020	8742769	6.99	0.010	8742769
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	8742772	<0.00020	0.00020	8742772
Total Lead (Pb)	mg/L	0.00772	0.00040	8742769	0.00220	0.00020	8742769
Dissolved Lithium (Li)	mg/L	0.0112	0.0020	8742772	0.0026	0.0020	8742772
Total Lithium (Li)	mg/L	0.0291	0.0040	8742769	0.0081	0.0020	8742769
Dissolved Manganese (Mn)	mg/L	0.0113	0.0010	8742772	0.0184	0.0010	8742772
Total Manganese (Mn)	mg/L	0.285	0.0020	8742769	0.111	0.0010	8742769
Dissolved Molybdenum (Mo)	mg/L	0.0012	0.0010	8742772	0.0014	0.0010	8742772
Total Molybdenum (Mo)	mg/L	<0.0020	0.0020	8742769	0.0013	0.0010	8742769
Dissolved Nickel (Ni)	mg/L	0.0030	0.0010	8742772	0.0039	0.0010	8742772
Total Nickel (Ni)	mg/L	0.0421	0.0020	8742769	0.0188	0.0010	8742769
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	8742772	0.00015	0.00010	8742772
Total Selenium (Se)	mg/L	<0.00020	0.00020	8742769	0.00018	0.00010	8742769
Dissolved Silicon (Si)	mg/L	0.66	0.10	8742772	0.44	0.10	8742772
Total Silicon (Si)	mg/L	18.2	0.20	8742769	7.01	0.10	8742769
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	8742772	<0.000020	0.000020	8742772
Total Silver (Ag)	mg/L	0.000053	0.000040	8742769	0.000025	0.000020	8742769
Dissolved Strontium (Sr)	mg/L	0.467	0.0010	8742772	0.165	0.0010	8742772

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF245			WCF246		
Sampling Date		2023/06/07 10:20			2023/06/07 10:55		
COC Number		n/a			n/a		
	UNITS	MEL-SR1	RDL	QC Batch	ITIVIA CULVERT1 EAST	RDL	QC Batch
Total Strontium (Sr)	mg/L	0.486	0.0020	8742769	0.150	0.0010	8742769
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	8742772	<0.000010	0.000010	8742772
Total Thallium (Tl)	mg/L	0.000177	0.000020	8742769	0.000067	0.000010	8742769
Dissolved Tin (Sn)	mg/L	<0.0050	0.0050	8742772	<0.0050	0.0050	8742772
Total Tin (Sn)	mg/L	<0.010	0.010	8742769	<0.0050	0.0050	8742769
Dissolved Titanium (Ti)	mg/L	<0.0050	0.0050	8742772	<0.0050	0.0050	8742772
Total Titanium (Ti)	mg/L	0.661	0.010	8742769	0.231	0.0050	8742769
Dissolved Uranium (U)	mg/L	0.00129	0.00010	8742772	0.00096	0.00010	8742772
Total Uranium (U)	mg/L	0.00179	0.00020	8742769	0.00114	0.00010	8742769
Dissolved Vanadium (V)	mg/L	<0.0050	0.0050	8742772	<0.0050	0.0050	8742772
Total Vanadium (V)	mg/L	0.033	0.010	8742769	0.0122	0.0050	8742769
Dissolved Zinc (Zn)	mg/L	0.0104	0.0050	8742772	<0.0050	0.0050	8742772
Total Zinc (Zn)	mg/L	0.121	0.010	8742769	0.0233	0.0050	8742769
Dissolved Zirconium (Zr)	mg/L	<0.00010	0.00010	8742772	<0.00010	0.00010	8742772
Total Zirconium (Zr)	mg/L	0.00189	0.00020	8742769	0.00085	0.00010	8742769
Dissolved Calcium (Ca)	mg/L	60.8	0.050	8742771	43.1	0.050	8742771
Total Calcium (Ca)	mg/L	63.5	0.10	8742768	42.3	0.050	8742768
Dissolved Magnesium (Mg)	mg/L	9.25	0.050	8742771	10.4	0.050	8742771
Total Magnesium (Mg)	mg/L	16.8	0.10	8742768	12.4	0.050	8742768
Dissolved Potassium (K)	mg/L	5.66	0.050	8742771	6.48	0.050	8742771
Total Potassium (K)	mg/L	8.68	0.10	8742768	7.09	0.050	8742768
Dissolved Sodium (Na)	mg/L	32.4	0.050	8742771	50.6	0.050	8742771
Total Sodium (Na)	mg/L	30.2	0.10	8742768	45.7	0.050	8742768
Dissolved Sulphur (S)	mg/L	33.2	3.0	8742771	33.5	3.0	8742771
Total Sulphur (S)	mg/L	29.6	6.0	8742768	29.6	3.0	8742768
Petroleum Hydrocarbons							
Total Oil & Grease	mg/L	2.3	0.50	8736912	1.9	0.50	8736912

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF247		
Sampling Date		2023/06/07 11:05		
COC Number		n/a		
	UNITS	ITIVIA CULVERT1 WEST	RDL	QC Batch
Calculated Parameters				
Calculated TDS	mg/L	160	1.0	8726407
Dissolved Hardness (CaCO3)	mg/L	113	0.50	8742770
Inorganics				
Total Ammonia-N	mg/L	0.050	0.050	8736022
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	8744245
Total Dissolved Solids	mg/L	345	10	8730858
Fluoride (F-)	mg/L	<0.10	0.10	8732820
Orthophosphate (P)	mg/L	0.014	0.010	8732795
pH	pH	7.76		8732822
Total Phosphorus	mg/L	0.082	0.020	8736026
Reactive Silica (SiO2)	mg/L	2.1	0.050	8748928
Total Suspended Solids	mg/L	58	1	8730853
Turbidity	NTU	10	0.1	8731277
Alkalinity (Total as CaCO3)	mg/L	74	1.0	8732819
Dissolved Chloride (Cl-)	mg/L	28	1.0	8732803
Nitrite (N)	mg/L	0.015	0.010	8732104
Nitrate (N)	mg/L	0.15	0.10	8732104
Dissolved Sulphate (SO4)	mg/L	31	0.50	8744244
Nitrate + Nitrite (N)	mg/L	0.16	0.10	8732104
Metals				
Dissolved Aluminum (Al)	mg/L	0.0117	0.0030	8742772
Total Aluminum (Al)	mg/L	1.82	0.0030	8742769
Dissolved Antimony (Sb)	mg/L	<0.00050	0.00050	8742772
Total Antimony (Sb)	mg/L	<0.00050	0.00050	8742769
Dissolved Arsenic (As)	mg/L	0.00102	0.00010	8742772
Total Arsenic (As)	mg/L	0.00240	0.00010	8742769
Dissolved Barium (Ba)	mg/L	0.0290	0.0010	8742772
Total Barium (Ba)	mg/L	0.0490	0.0010	8742769
Dissolved Beryllium (Be)	mg/L	<0.00010	0.00010	8742772
Total Beryllium (Be)	mg/L	<0.00010	0.00010	8742769

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF247		
Sampling Date		2023/06/07 11:05		
COC Number		n/a		
	UNITS	ITIVIA CULVERT1 WEST	RDL	QC Batch
Dissolved Bismuth (Bi)	mg/L	<0.0010	0.0010	8742772
Total Bismuth (Bi)	mg/L	<0.0010	0.0010	8742769
Dissolved Boron (B)	mg/L	<0.050	0.050	8742772
Total Boron (B)	mg/L	<0.050	0.050	8742769
Dissolved Cadmium (Cd)	mg/L	<0.000010	0.000010	8742772
Total Cadmium (Cd)	mg/L	0.000020	0.000010	8742769
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	8742772
Total Chromium (Cr)	mg/L	0.0092	0.0010	8742769
Dissolved Cobalt (Co)	mg/L	0.00038	0.00020	8742772
Total Cobalt (Co)	mg/L	0.00230	0.00020	8742769
Dissolved Copper (Cu)	mg/L	0.00372	0.00020	8742772
Total Copper (Cu)	mg/L	0.0103	0.00050	8742769
Dissolved Iron (Fe)	mg/L	0.0910	0.0050	8742772
Total Iron (Fe)	mg/L	2.97	0.010	8742769
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	8742772
Total Lead (Pb)	mg/L	0.00156	0.00020	8742769
Dissolved Lithium (Li)	mg/L	0.0060	0.0020	8742772
Total Lithium (Li)	mg/L	0.0079	0.0020	8742769
Dissolved Manganese (Mn)	mg/L	0.0417	0.0010	8742772
Total Manganese (Mn)	mg/L	0.0765	0.0010	8742769
Dissolved Molybdenum (Mo)	mg/L	0.0011	0.0010	8742772
Total Molybdenum (Mo)	mg/L	0.0011	0.0010	8742769
Dissolved Nickel (Ni)	mg/L	0.0024	0.0010	8742772
Total Nickel (Ni)	mg/L	0.0075	0.0010	8742769
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	8742772
Total Selenium (Se)	mg/L	<0.00010	0.00010	8742769
Dissolved Silicon (Si)	mg/L	0.83	0.10	8742772
Total Silicon (Si)	mg/L	3.68	0.10	8742769
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	8742772
Total Silver (Ag)	mg/L	<0.000020	0.000020	8742769
Dissolved Strontium (Sr)	mg/L	0.227	0.0010	8742772

RDL = Reportable Detection Limit
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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF247		
Sampling Date		2023/06/07 11:05		
COC Number		n/a		
	UNITS	ITIVIA CULVERT1 WEST	RDL	QC Batch
Total Strontium (Sr)	mg/L	0.215	0.0010	8742769
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	8742772
Total Thallium (Tl)	mg/L	0.000030	0.000010	8742769
Dissolved Tin (Sn)	mg/L	<0.0050	0.0050	8742772
Total Tin (Sn)	mg/L	<0.0050	0.0050	8742769
Dissolved Titanium (Ti)	mg/L	<0.0050	0.0050	8742772
Total Titanium (Ti)	mg/L	0.0965	0.0050	8742769
Dissolved Uranium (U)	mg/L	0.00063	0.00010	8742772
Total Uranium (U)	mg/L	0.00068	0.00010	8742769
Dissolved Vanadium (V)	mg/L	<0.0050	0.0050	8742772
Total Vanadium (V)	mg/L	0.0052	0.0050	8742769
Dissolved Zinc (Zn)	mg/L	<0.0050	0.0050	8742772
Total Zinc (Zn)	mg/L	0.0151	0.0050	8742769
Dissolved Zirconium (Zr)	mg/L	<0.00010	0.00010	8742772
Total Zirconium (Zr)	mg/L	0.00053	0.00010	8742769
Dissolved Calcium (Ca)	mg/L	38.8	0.050	8742771
Total Calcium (Ca)	mg/L	36.0	0.050	8742768
Dissolved Magnesium (Mg)	mg/L	3.86	0.050	8742771
Total Magnesium (Mg)	mg/L	4.68	0.050	8742768
Dissolved Potassium (K)	mg/L	5.24	0.050	8742771
Total Potassium (K)	mg/L	5.36	0.050	8742768
Dissolved Sodium (Na)	mg/L	12.1	0.050	8742771
Total Sodium (Na)	mg/L	11.1	0.050	8742768
Dissolved Sulphur (S)	mg/L	10.1	3.0	8742771
Total Sulphur (S)	mg/L	8.6	3.0	8742768
Petroleum Hydrocarbons				
Total Oil & Grease	mg/L	1.4	0.50	8736912

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		WCF242		WCF243	WCF244		
Sampling Date		2023/06/07 17:40		2023/06/07 17:25	2023/06/07 17:10		
COC Number		n/a		n/a	n/a		
	UNITS	MEL-SR1	QC Batch	ITIVIA CULVERT1 EAST	ITIVIA CULVERT1 WEST	RDL	QC Batch
Calculated Parameters							
Total Hardness (CaCO3)	mg/L	183	8742767	152	159	0.50	8742767
Metals							
Mercury (Hg)	mg/L	<0.00001	8734229	<0.00001	<0.00001	0.00001	8734320

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		WCF245	WCF246	WCF247		
Sampling Date		2023/06/07 10:20	2023/06/07 10:55	2023/06/07 11:05		
COC Number		n/a	n/a	n/a		
	UNITS	MEL-SR1	ITIVIA CULVERT1 EAST	ITIVIA CULVERT1 WEST	RDL	QC Batch
Calculated Parameters						
Total Hardness (CaCO3)	mg/L	228	157	109	0.50	8742767
Metals						
Mercury (Hg)	mg/L	<0.00001	<0.00001	<0.00001	0.00001	8734229

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

TEST SUMMARY

Bureau Veritas ID: WCF242
Sample ID: MEL-SR1
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8732819	N/A	2023/06/17	Yogesh Patel
Chloride by Automated Colourimetry	KONE	8735091	N/A	2023/06/19	Massarat Jan
Fluoride	ISE	8732820	2023/06/16	2023/06/19	Kien Tran
Mercury (low level)	CV/AA	8734229	2023/06/17	2023/06/19	Jaswinder Kaur
Low Level Chloride and Sulphate by AC	KONE	8744244	N/A	2023/06/21	Shanna McKort
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8744245	2023/06/20	2023/06/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8742767	N/A	2023/06/20	Automated Statchk
Hardness (calculated as CaCO3)	CALC	8742770	N/A	2023/06/20	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8742771	N/A	2023/06/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8742772	N/A	2023/06/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8742768	2023/06/20	2023/06/20	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8742769	2023/06/19	2023/06/20	Andrew An
Silica (Reactive)	KONE	8748928	N/A	2023/06/22	Marjolen Busslinger
Total Ammonia-N	LACH/NH4	8736022	N/A	2023/06/20	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8732687	N/A	2023/06/20	Chandra Nandlal
Total Oil and Grease	BAL	8736912	2023/06/19	2023/06/19	Kishan Patel
pH	AT	8732822	2023/06/16	2023/06/17	Yogesh Patel
Orthophosphate	KONE	8735096	N/A	2023/06/19	Massarat Jan
Calculated Total Dissolved Solids	CALC	8726407	N/A	2023/06/26	Automated Statchk
Total Dissolved Solids	BAL	8730858	2023/06/17	2023/06/19	Razieh Tabesh
Total Phosphorus (Colourimetric)	SKAL/P	8736026	2023/06/19	2023/06/19	Sachi Patel
Low Level Total Suspended Solids	BAL	8730856	2023/06/19	2023/06/19	Darshan Patel
Turbidity	AT	8732167	N/A	2023/06/17	Gurparteek KAUR

Bureau Veritas ID: WCF242 Dup
Sample ID: MEL-SR1
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Low Level Total Suspended Solids	BAL	8730856	2023/06/19	2023/06/19	Darshan Patel
Turbidity	AT	8732167	N/A	2023/06/17	Gurparteek KAUR

Bureau Veritas ID: WCF243
Sample ID: ITIVIA CULVERT1 EAST
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8732819	N/A	2023/06/17	Yogesh Patel
Chloride by Automated Colourimetry	KONE	8732803	N/A	2023/06/19	Alina Dobreanu
Fluoride	ISE	8732820	2023/06/16	2023/06/19	Kien Tran
Mercury (low level)	CV/AA	8734320	2023/06/17	2023/06/19	Jaswinder Kaur
Low Level Chloride and Sulphate by AC	KONE	8744244	N/A	2023/06/21	Shanna McKort
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8744245	2023/06/20	2023/06/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8742767	N/A	2023/06/20	Automated Statchk

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

TEST SUMMARY

Bureau Veritas ID: WCF243
Sample ID: ITIVIA CULVERT1 EAST
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hardness (calculated as CaCO3)	CALC	8742770	N/A	2023/06/20	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8742771	N/A	2023/06/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8742772	N/A	2023/06/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8742768	2023/06/20	2023/06/20	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8742769	2023/06/19	2023/06/20	Andrew An
Silica (Reactive)	KONE	8748928	N/A	2023/06/22	Marjolen Busslinger
Total Ammonia-N	LACH/NH4	8736022	N/A	2023/06/20	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8732687	N/A	2023/06/20	Chandra Nandlal
Total Oil and Grease	BAL	8736912	2023/06/19	2023/06/19	Kishan Patel
pH	AT	8732822	2023/06/16	2023/06/17	Yogesh Patel
Orthophosphate	KONE	8732795	N/A	2023/06/19	Alina Dobreanu
Calculated Total Dissolved Solids	CALC	8726407	N/A	2023/06/26	Automated Statchk
Total Dissolved Solids	BAL	8733678	2023/06/17	2023/06/19	Shaneil Hall
Total Phosphorus (Colourimetric)	SKAL/P	8736026	2023/06/19	2023/06/19	Sachi Patel
Low Level Total Suspended Solids	BAL	8730856	2023/06/19	2023/06/19	Darshan Patel
Turbidity	AT	8732167	N/A	2023/06/17	Gurparteek KAUR

Bureau Veritas ID: WCF244
Sample ID: ITIVIA CULVERT1 WEST
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8732819	N/A	2023/06/17	Yogesh Patel
Chloride by Automated Colourimetry	KONE	8732803	N/A	2023/06/19	Alina Dobreanu
Fluoride	ISE	8732820	2023/06/16	2023/06/19	Kien Tran
Mercury (low level)	CV/AA	8734320	2023/06/17	2023/06/19	Jaswinder Kaur
Low Level Chloride and Sulphate by AC	KONE	8744244	N/A	2023/06/21	Shanna McKort
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8744245	2023/06/20	2023/06/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8742767	N/A	2023/06/20	Automated Statchk
Hardness (calculated as CaCO3)	CALC	8742770	N/A	2023/06/20	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8742771	N/A	2023/06/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8742772	N/A	2023/06/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8742768	2023/06/20	2023/06/20	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8742769	2023/06/19	2023/06/20	Andrew An
Silica (Reactive)	KONE	8748928	N/A	2023/06/22	Marjolen Busslinger
Total Ammonia-N	LACH/NH4	8736022	N/A	2023/06/20	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8732104	N/A	2023/06/16	Chandra Nandlal
Total Oil and Grease	BAL	8736912	2023/06/19	2023/06/19	Kishan Patel
pH	AT	8732822	2023/06/16	2023/06/17	Yogesh Patel
Orthophosphate	KONE	8732795	N/A	2023/06/19	Alina Dobreanu
Calculated Total Dissolved Solids	CALC	8726407	N/A	2023/06/26	Automated Statchk
Total Dissolved Solids	BAL	8733678	2023/06/17	2023/06/19	Shaneil Hall
Total Phosphorus (Colourimetric)	SKAL/P	8736026	2023/06/19	2023/06/19	Sachi Patel
Low Level Total Suspended Solids	BAL	8730856	2023/06/19	2023/06/19	Darshan Patel

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

TEST SUMMARY

Bureau Veritas ID: WCF244
Sample ID: ITIVIA CULVERT1 WEST
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Turbidity	AT	8731277	N/A	2023/06/16	Gurparteek KAUR

Bureau Veritas ID: WCF245
Sample ID: MEL-SR1
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8732819	N/A	2023/06/17	Yogesh Patel
Chloride by Automated Colourimetry	KONE	8732803	N/A	2023/06/19	Alina Dobreanu
Fluoride	ISE	8732820	2023/06/16	2023/06/19	Kien Tran
Mercury (low level)	CV/AA	8734229	2023/06/17	2023/06/19	Jaswinder Kaur
Low Level Chloride and Sulphate by AC	KONE	8744244	N/A	2023/06/21	Shanna McKort
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8744245	2023/06/20	2023/06/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8742767	N/A	2023/06/20	Automated Statchk
Hardness (calculated as CaCO3)	CALC	8742770	N/A	2023/06/20	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8742771	N/A	2023/06/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8742772	N/A	2023/06/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8742768	2023/06/20	2023/06/20	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8742769	2023/06/19	2023/06/20	Andrew An
Silica (Reactive)	KONE	8748928	N/A	2023/06/22	Marjolen Busslinger
Total Ammonia-N	LACH/NH4	8736022	N/A	2023/06/20	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8732687	N/A	2023/06/20	Chandra Nandlal
Total Oil and Grease	BAL	8736912	2023/06/19	2023/06/19	Kishan Patel
pH	AT	8732822	2023/06/16	2023/06/17	Yogesh Patel
Orthophosphate	KONE	8732795	N/A	2023/06/19	Alina Dobreanu
Calculated Total Dissolved Solids	CALC	8726407	N/A	2023/06/26	Automated Statchk
Total Dissolved Solids	BAL	8730858	2023/06/17	2023/06/19	Razieh Tabesh
Total Phosphorus (Colourimetric)	SKAL/P	8736026	2023/06/19	2023/06/19	Sachi Patel
Low Level Total Suspended Solids	BAL	8730856	2023/06/19	2023/06/19	Darshan Patel
Turbidity	AT	8732167	N/A	2023/06/17	Gurparteek KAUR

Bureau Veritas ID: WCF246
Sample ID: ITIVIA CULVERT1 EAST
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8732819	N/A	2023/06/17	Yogesh Patel
Chloride by Automated Colourimetry	KONE	8732803	N/A	2023/06/19	Alina Dobreanu
Fluoride	ISE	8732820	2023/06/16	2023/06/19	Kien Tran
Mercury (low level)	CV/AA	8734229	2023/06/17	2023/06/19	Jaswinder Kaur
Low Level Chloride and Sulphate by AC	KONE	8744244	N/A	2023/06/21	Shanna McKort
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8744245	2023/06/20	2023/06/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8742767	N/A	2023/06/20	Automated Statchk
Hardness (calculated as CaCO3)	CALC	8742770	N/A	2023/06/20	Automated Statchk

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

TEST SUMMARY

Bureau Veritas ID: WCF246
Sample ID: ITIVIA CULVERT1 EAST
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8742771	N/A	2023/06/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8742772	N/A	2023/06/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8742768	2023/06/20	2023/06/20	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8742769	2023/06/19	2023/06/20	Andrew An
Silica (Reactive)	KONE	8748923	N/A	2023/06/22	Marjolen Busslinger
Total Ammonia-N	LACH/NH4	8736022	N/A	2023/06/20	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8732687	N/A	2023/06/20	Chandra Nandlal
Total Oil and Grease	BAL	8736912	2023/06/19	2023/06/19	Kishan Patel
pH	AT	8732822	2023/06/16	2023/06/17	Yogesh Patel
Orthophosphate	KONE	8732795	N/A	2023/06/19	Alina Dobreanu
Calculated Total Dissolved Solids	CALC	8726407	N/A	2023/06/26	Automated Statchk
Total Dissolved Solids	BAL	8733678	2023/06/17	2023/06/19	Shaneil Hall
Total Phosphorus (Colourimetric)	SKAL/P	8736026	2023/06/19	2023/06/19	Sachi Patel
Low Level Total Suspended Solids	BAL	8730856	2023/06/19	2023/06/19	Darshan Patel
Turbidity	AT	8731277	N/A	2023/06/16	Gurparteek KAUR

Bureau Veritas ID: WCF247
Sample ID: ITIVIA CULVERT1 WEST
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8732819	N/A	2023/06/17	Yogesh Patel
Chloride by Automated Colourimetry	KONE	8732803	N/A	2023/06/19	Alina Dobreanu
Fluoride	ISE	8732820	2023/06/16	2023/06/19	Kien Tran
Mercury (low level)	CV/AA	8734229	2023/06/17	2023/06/19	Jaswinder Kaur
Low Level Chloride and Sulphate by AC	KONE	8744244	N/A	2023/06/21	Shanna McKort
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8744245	2023/06/20	2023/06/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8742767	N/A	2023/06/20	Automated Statchk
Hardness (calculated as CaCO3)	CALC	8742770	N/A	2023/06/20	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8742771	N/A	2023/06/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8742772	N/A	2023/06/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8742768	2023/06/20	2023/06/20	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8742769	2023/06/19	2023/06/20	Andrew An
Silica (Reactive)	KONE	8748928	N/A	2023/06/22	Marjolen Busslinger
Total Ammonia-N	LACH/NH4	8736022	N/A	2023/06/20	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8732104	N/A	2023/06/16	Chandra Nandlal
Total Oil and Grease	BAL	8736912	2023/06/19	2023/06/19	Kishan Patel
pH	AT	8732822	2023/06/16	2023/06/17	Yogesh Patel
Orthophosphate	KONE	8732795	N/A	2023/06/19	Alina Dobreanu
Calculated Total Dissolved Solids	CALC	8726407	N/A	2023/06/26	Automated Statchk
Total Dissolved Solids	BAL	8730858	2023/06/17	2023/06/19	Razieh Tabesh
Total Phosphorus (Colourimetric)	SKAL/P	8736026	2023/06/19	2023/06/19	Sachi Patel
Low Level Total Suspended Solids	BAL	8730853	2023/06/16	2023/06/19	Razieh Tabesh
Turbidity	AT	8731277	N/A	2023/06/16	Gurparteek KAUR

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	19.7°C

Revised Report [2023/07/05]:Sample IDs amended per client request
Revised Report [2023/06/30]: Report resent to client, no modifications
Revised Report [2023/06/27]: Amended sample ID MEL-SR1B

Results relate only to the items tested.

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

QUALITY ASSURANCE REPORT

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
8730853	Total Suspended Solids	2023/06/19			95	85 - 115	<1	mg/L	6.5	20		
8730856	Total Suspended Solids	2023/06/19			97	85 - 115	<1	mg/L	17	20		
8730858	Total Dissolved Solids	2023/06/19			102	90 - 110	<10	mg/L	0.63	20		
8731277	Turbidity	2023/06/16			99	80 - 120	<0.1	NTU	1.1	20		
8732104	Nitrate (N)	2023/06/16	92	80 - 120	97	80 - 120	<0.10	mg/L	NC	20		
8732104	Nitrite (N)	2023/06/16	95	80 - 120	102	80 - 120	<0.010	mg/L	NC	20		
8732167	Turbidity	2023/06/17			98	80 - 120	<0.1	NTU	2.1	20		
8732687	Nitrate (N)	2023/06/20	104	80 - 120	106	80 - 120	<0.10	mg/L	0.37	20		
8732687	Nitrite (N)	2023/06/20	103	80 - 120	97	80 - 120	<0.010	mg/L	NC	20		
8732795	Orthophosphate (P)	2023/06/19	91	75 - 125	91	80 - 120	<0.010	mg/L	NC	20		
8732803	Dissolved Chloride (Cl-)	2023/06/19	NC	80 - 120	92	80 - 120	<1.0	mg/L	1.8	20		
8732819	Alkalinity (Total as CaCO3)	2023/06/17			96	85 - 115	<1.0	mg/L	0.21	20		
8732820	Fluoride (F-)	2023/06/19	101	80 - 120	99	80 - 120	<0.10	mg/L	NC	20		
8732822	pH	2023/06/17			102	98 - 103			0.22	N/A		
8733678	Total Dissolved Solids	2023/06/19			98	90 - 110	<10	mg/L	2.0	20		
8734229	Mercury (Hg)	2023/06/19	100	75 - 125	98	80 - 120	<0.00001	mg/L	NC	20		
8734320	Mercury (Hg)	2023/06/19	91	75 - 125	99	80 - 120	<0.00001	mg/L	NC	20		
8735091	Dissolved Chloride (Cl-)	2023/06/19	98	80 - 120	95	80 - 120	<1.0	mg/L	11	20		
8735096	Orthophosphate (P)	2023/06/19	94	75 - 125	95	80 - 120	<0.010	mg/L	9.9	20		
8736022	Total Ammonia-N	2023/06/20	103	75 - 125	103	80 - 120	<0.050	mg/L	NC	20		
8736026	Total Phosphorus	2023/06/19	95	80 - 120	100	80 - 120	<0.020	mg/L	2.3	20	98	80 - 120
8736912	Total Oil & Grease	2023/06/19			99	85 - 115	<0.50	mg/L	0.51	25		
8742769	Total Aluminum (Al)	2023/06/20	101	80 - 120	101	80 - 120	<0.0030	mg/L				
8742769	Total Antimony (Sb)	2023/06/20	104	80 - 120	102	80 - 120	<0.00050	mg/L				
8742769	Total Arsenic (As)	2023/06/20	108	80 - 120	101	80 - 120	<0.00010	mg/L				
8742769	Total Barium (Ba)	2023/06/20	NC	80 - 120	101	80 - 120	<0.0010	mg/L				
8742769	Total Beryllium (Be)	2023/06/20	96	80 - 120	97	80 - 120	<0.00010	mg/L				
8742769	Total Bismuth (Bi)	2023/06/20	95	80 - 120	100	80 - 120	<0.0010	mg/L				
8742769	Total Boron (B)	2023/06/20	101	80 - 120	102	80 - 120	<0.050	mg/L				
8742769	Total Cadmium (Cd)	2023/06/20	99	80 - 120	100	80 - 120	<0.000010	mg/L				
8742769	Total Chromium (Cr)	2023/06/20	NC	80 - 120	96	80 - 120	<0.0010	mg/L				

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
8742769	Total Cobalt (Co)	2023/06/20	91	80 - 120	96	80 - 120	<0.00020	mg/L				
8742769	Total Copper (Cu)	2023/06/20	85	80 - 120	94	80 - 120	<0.00050	mg/L				
8742769	Total Iron (Fe)	2023/06/20	102	80 - 120	101	80 - 120	<0.010	mg/L				
8742769	Total Lead (Pb)	2023/06/20	97	80 - 120	99	80 - 120	<0.00020	mg/L				
8742769	Total Lithium (Li)	2023/06/20	97	80 - 120	100	80 - 120	<0.0020	mg/L				
8742769	Total Manganese (Mn)	2023/06/20	95	80 - 120	100	80 - 120	<0.0010	mg/L				
8742769	Total Molybdenum (Mo)	2023/06/20	NC	80 - 120	105	80 - 120	<0.0010	mg/L				
8742769	Total Nickel (Ni)	2023/06/20	90	80 - 120	98	80 - 120	<0.0010	mg/L				
8742769	Total Selenium (Se)	2023/06/20	101	80 - 120	100	80 - 120	<0.00010	mg/L				
8742769	Total Silicon (Si)	2023/06/20	NC	80 - 120	102	80 - 120	<0.10	mg/L				
8742769	Total Silver (Ag)	2023/06/20	99	80 - 120	101	80 - 120	<0.000020	mg/L				
8742769	Total Strontium (Sr)	2023/06/20	NC	80 - 120	102	80 - 120	<0.0010	mg/L				
8742769	Total Thallium (Tl)	2023/06/20	100	80 - 120	100	80 - 120	<0.000010	mg/L				
8742769	Total Tin (Sn)	2023/06/20	102	80 - 120	101	80 - 120	<0.0050	mg/L				
8742769	Total Titanium (Ti)	2023/06/20	101	80 - 120	100	80 - 120	<0.0050	mg/L				
8742769	Total Uranium (U)	2023/06/20	107	80 - 120	103	80 - 120	<0.00010	mg/L				
8742769	Total Vanadium (V)	2023/06/20	100	80 - 120	99	80 - 120	<0.0050	mg/L				
8742769	Total Zinc (Zn)	2023/06/20	89	80 - 120	100	80 - 120	<0.0050	mg/L				
8742769	Total Zirconium (Zr)	2023/06/20	112	80 - 120	103	80 - 120	<0.00010	mg/L				
8742772	Dissolved Aluminum (Al)	2023/06/19	101	80 - 120	103	80 - 120	<0.0030	mg/L				
8742772	Dissolved Antimony (Sb)	2023/06/19	105	80 - 120	104	80 - 120	<0.00050	mg/L				
8742772	Dissolved Arsenic (As)	2023/06/19	105	80 - 120	104	80 - 120	<0.00010	mg/L				
8742772	Dissolved Barium (Ba)	2023/06/19	99	80 - 120	103	80 - 120	<0.0010	mg/L				
8742772	Dissolved Beryllium (Be)	2023/06/19	99	80 - 120	101	80 - 120	<0.00010	mg/L				
8742772	Dissolved Bismuth (Bi)	2023/06/19	97	80 - 120	99	80 - 120	<0.0010	mg/L				
8742772	Dissolved Boron (B)	2023/06/19	99	80 - 120	103	80 - 120	<0.050	mg/L				
8742772	Dissolved Cadmium (Cd)	2023/06/19	101	80 - 120	102	80 - 120	<0.000010	mg/L				
8742772	Dissolved Chromium (Cr)	2023/06/19	95	80 - 120	97	80 - 120	<0.0010	mg/L				
8742772	Dissolved Cobalt (Co)	2023/06/19	93	80 - 120	98	80 - 120	<0.00020	mg/L				
8742772	Dissolved Copper (Cu)	2023/06/19	89	80 - 120	96	80 - 120	<0.00020	mg/L				
8742772	Dissolved Iron (Fe)	2023/06/19	103	80 - 120	103	80 - 120	<0.0050	mg/L				

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
8742772	Dissolved Lead (Pb)	2023/06/19	96	80 - 120	99	80 - 120	<0.00020	mg/L				
8742772	Dissolved Lithium (Li)	2023/06/19	95	80 - 120	100	80 - 120	<0.0020	mg/L				
8742772	Dissolved Manganese (Mn)	2023/06/19	97	80 - 120	101	80 - 120	<0.0010	mg/L				
8742772	Dissolved Molybdenum (Mo)	2023/06/19	NC	80 - 120	106	80 - 120	<0.0010	mg/L				
8742772	Dissolved Nickel (Ni)	2023/06/19	94	80 - 120	100	80 - 120	<0.0010	mg/L				
8742772	Dissolved Selenium (Se)	2023/06/19	101	80 - 120	103	80 - 120	<0.00010	mg/L				
8742772	Dissolved Silicon (Si)	2023/06/19	NC	80 - 120	110	80 - 120	<0.10	mg/L				
8742772	Dissolved Silver (Ag)	2023/06/19	102	80 - 120	103	80 - 120	<0.000020	mg/L				
8742772	Dissolved Strontium (Sr)	2023/06/19	NC	80 - 120	104	80 - 120	<0.0010	mg/L				
8742772	Dissolved Thallium (Tl)	2023/06/19	99	80 - 120	102	80 - 120	<0.000010	mg/L				
8742772	Dissolved Tin (Sn)	2023/06/19	106	80 - 120	104	80 - 120	<0.0050	mg/L				
8742772	Dissolved Titanium (Ti)	2023/06/19	102	80 - 120	102	80 - 120	<0.0050	mg/L				
8742772	Dissolved Uranium (U)	2023/06/19	104	80 - 120	104	80 - 120	<0.00010	mg/L				
8742772	Dissolved Vanadium (V)	2023/06/19	101	80 - 120	101	80 - 120	<0.0050	mg/L				
8742772	Dissolved Zinc (Zn)	2023/06/19	98	80 - 120	101	80 - 120	<0.0050	mg/L				
8742772	Dissolved Zirconium (Zr)	2023/06/19	109	80 - 120	105	80 - 120	<0.00010	mg/L				
8744244	Dissolved Sulphate (SO4)	2023/06/21	NC	80 - 120	99	80 - 120	<0.50	mg/L				
8744245	Strong Acid Dissoc. Cyanide (CN)	2023/06/20	96	80 - 120	97	80 - 120	<0.00050	mg/L				
8748923	Reactive Silica (SiO2)	2023/06/22	NC	80 - 120	96	80 - 120	<0.050	mg/L				
8748928	Reactive Silica (SiO2)	2023/06/22	NC	80 - 120	105	80 - 120	<0.050	mg/L				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

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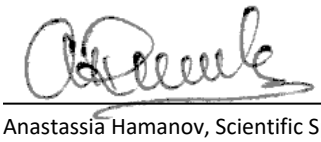
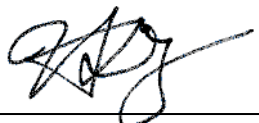
VALIDATION SIGNATURE PAGE

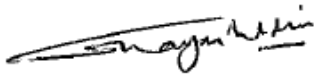
The analytical data and all QC contained in this report were reviewed and validated by:



Anastassia Hamanov, Scientific Specialist



David Huang, BBY Scientific Specialist



Ghayasuddin Khan, M.Sc., P.Chem., QP, Scientific Specialist, Inorganics

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

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Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

Exceedance Summary Table – Metal Mining Effluent Reg

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

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NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **2023-08-05**	REPORT TIME **10:30**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **2023-08-04**	OCCURRENCE TIME **18:00**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **125 Litres**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Wing 8 Lift Station**	SPILL CAUSE **Equipment Failure**	AREA OF CONTAMINATION IN SQUARE METRES **1 m2**
J	FACTORS AFFECTING SPILL OR RECOVERY **Infrastructure**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

An overflow of the Wing 8 Lift Station resulted in a spill of 125 L of sewage to the industrial pad. The spill was contained to the local area. Clean up activities were immediately undertaken. The coordinates of the spill are 63° 2'23.38" N, 92°13'48.34" W . No water bodies were impacted by this spill. The nearest natural water body (G2) is located 208 m northwest.

Pursuant to Part H, Item 8c of the 2AM-MEL1631 Water Licence, a follow-up report will be issued after the investigation is completed.

Reported by Matt Gillman, Environment Superintendent 819-759-3555 ext. 4603175 matt.gillman@agnicoeagle.com, alternate contact: sara.savoie@agnicoeagle.com ext. 4603212

L	REPORTED TO SPILL LINE BY **Matt Gillman**	POSITION **Env. Superintendent**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Sara Savoie**	POSITION **General Supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-759-3555**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

August 22nd, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill # 2023-331 – Release of 125 L of Sewage at the Meliadine Gold Project

On August 5th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 125 L of sewage at the Meliadine Gold Project site (spill location coordinates: (63° 2'23.38" N, 92°13'48.34" W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On August 4th, 2023, at approximately 6:00 pm, an estimated 125 L of sewage was spilled onto the industrial pad at the wing 8 lift station. The Energy and Infrastructure department was notified of an overflow occurring at wing 8 lift station. A plumber was dispatched to address the situation and restore the system to its intended operational state. The spilled sewage was contained to the immediate local area, and no water bodies were impacted by the spill. The closest water body (Lake G2) is approximately 208 meters northwest, as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Response and Remediation

Upon arrival to wing 8 lift station, the plumber switched the pump from the automatic to the manual setting to lower the level of the tank and prevent further spillage. A vacuum truck was used to clean the free liquid on the ground. The ground surface was hand excavated and the recovered material was brought to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- The float system experienced a malfunction due to the accumulation of oil, grease and debris resulting in the adherence of the floats to the basin's interior. This adherence has consequently restricted the float's ability to ascend with the elevation of the fluid level.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- Routine inspection of all compact lift stations that are sealed will be completed as part of the preventive maintenance schedule. This process requires unfastening all bolts holding the lid and seal, followed by visual inspection and cleaning of the float system.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Randy Schwandt | Environment Coordinator
randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

Appendix A – Photos

Photo 1: Sewage spill location.

Photo 2: Sewage spill location post-remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **2023-08-12**	REPORT TIME **17:45**	☐ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **2023-08-12**	OCCURRENCE TIME **02:30**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL 1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☐ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **1** SECONDS **38**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **6**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION

H	PRODUCT SPILLED **Tailings and Fresh Water**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **1500 L**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Paste Plant**	SPILL CAUSE **Human Error**	AREA OF CONTAMINATION IN SQUARE METRES **15**
J	FACTORS AFFECTING SPILL OR RECOVERY **N/A**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

A solid tailings hopper inside the Paste Plant overflowed onto the floor due to a faulty sensor. The plant operator hosed the floor down, causing approximately 1500 L of freshwater mixed with tailings to flow through an exterior door and onto the ground. The material was removed and placed at the Tailings Storage Facility (TSF). The coordinates of the spill are 63° 1'38.29"N 92°13'5.81"W. No water bodies were impacted by this spill. The closest water body (B7) is approximately 630 meters west.

Pursuant to Part H, Item 8c of Water Licence 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by John Baechler, Environment Water Management Coordinator 819-759-3555 ext. 4603961 john.baechler@agnicoeagle.com, alternate contact: sara.savoie@agnicoeagle.com ext. 4603212.

L	REPORTED TO SPILL LINE BY **John Baechler**	POSITION **Env. W.M. Coordinator**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Sara Savoie**	POSITION **Env. Gen. Supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-759-3555**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

AGNICO EAGLE
MELIADINE

September 8th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-340 – Release of 1.5 m^3 of fresh water and tailings at the Meliadine Gold Project

On August 12th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 1.5 m^3 mixture of fresh water and tailings at the Meliadine Gold Project site (spill location coordinates: (63° 1'38.29"N 92°13'5.81"W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On August 12th, 2023, at approximately 2:30 a.m., there was an inadvertent release of approximately 1.5m^3 of tailings and fresh water outside the paste plant facility. The incident resulted from an overflow within the solid tailings hopper due to a malfunctioning sensor. In response, the plant operator undertook remedial actions, which involved hosing down the affected area. This action inadvertently led the mixture of tailings and fresh water to migrate from a maintenance door outside the facility.

No water bodies were impacted by the spill. The closest water body (B7) is approximately 630 meters west, as seen in Figure 1.

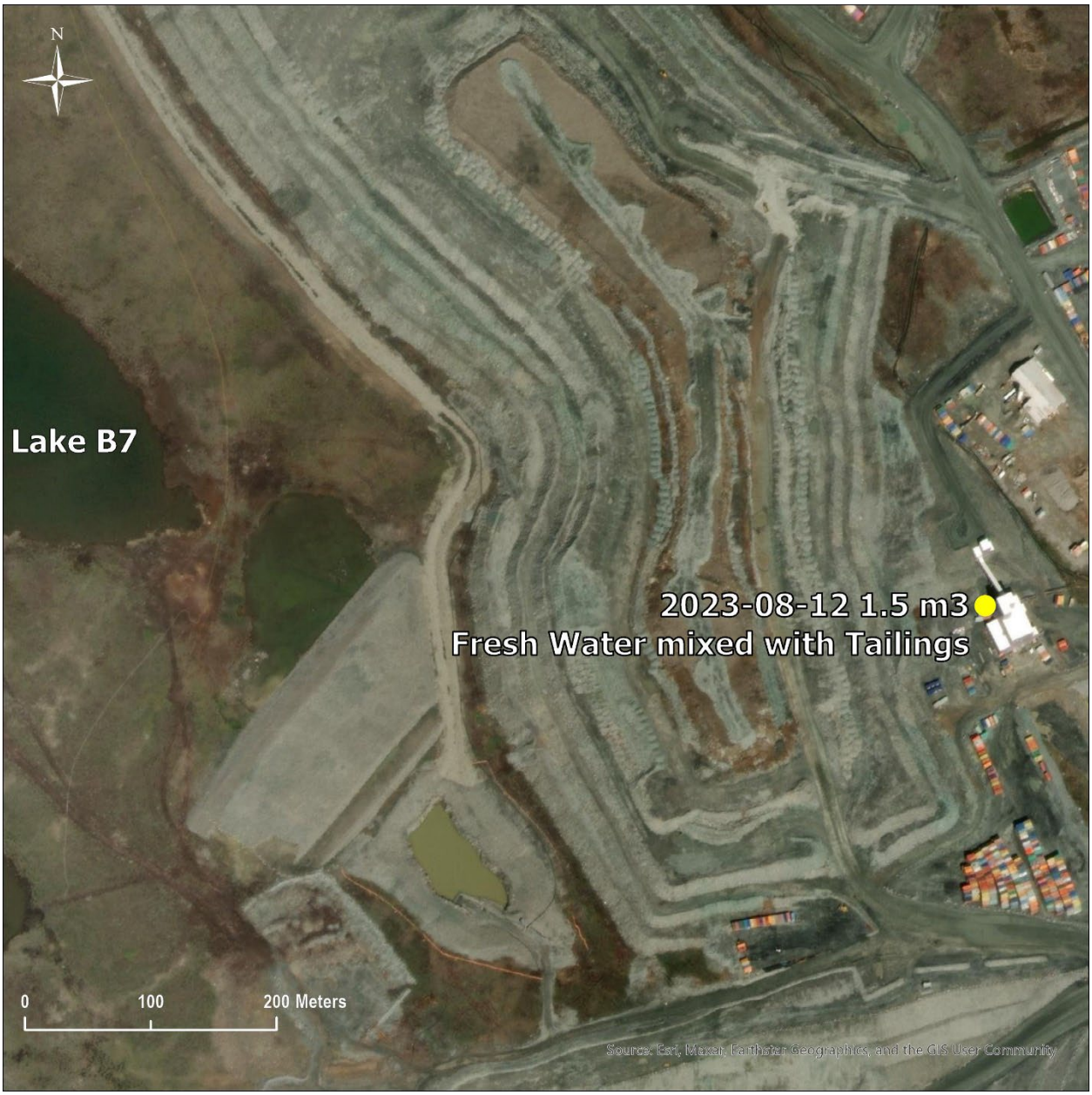


Figure 1: Location of the spill and proximity to water bodies.

Response and Remediation

During the floor-cleaning process, the operator realized the mixture of tailings and fresh water was leaving the structure and promptly reported it to the supervisor, who initiated the spill

cleanup. The tailings-impacted material that migrated outside of the paste plant facility was collected and relocated to the Tailings Storage Facility for disposal.

Root Cause and Corrective Measures

An assessment was conducted soon after the incident to determine the root cause and contributing factors. The assessment concluded with the following:

- On August 11th, 2023, an electrical storm affected signal transmission of the tailings hopper sensor, which allowed the tailings hopper to overflow and solids tailings to fall to the paste plant floor.
- During the tailing's cleanup, the operator used fresh water to hose down the tailings to a collection sump. During this process, some of the tailings and fresh water flowed outside the maintenance door, resulting in the spill.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- The level sensor was cleaned, and the transmitter was reconfigured. This sensor is linked to a process interlock, which stops the transfer of tailings into the hopper in the event of a high-level reading.
- As a redundancy, a secondary tilt switch is planned to be installed in the coming weeks when parts arrive. This switch is also linked to a process interlock, which stops the transfer of tailings into the hopper in the event of a high-level reading.
- Water will not be used on the 2nd floor at paste plant to clean tailings; only a shovel will be used for tailings cleanup.
- Toolbox meetings were conducted to highlight the importance of being diligent when cleaning material.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Kyle Conway | Environment General Supervisor
kyle.conway@agnicoeagle.com | Direct 819.759.3555 x4603212 | Mobile 819.860.1033
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix A – Photos

Photo 1: Spill location.

Photo 2: Post spill clean-up.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **08-25-2023**	REPORT TIME **15:50**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **08-25-2023**	OCCURRENCE TIME **10:00**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **1** SECONDS **38**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **6**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Contact water**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **20m3**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Equipment malfunction**	SPILL CAUSE **Broken pipe**	AREA OF CONTAMINATION IN SQUARE METRES **120**
J	FACTORS AFFECTING SPILL OR RECOVERY **None**	DESCRIBE ANY ASSISTANCE REQUIRED **None**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **None**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

On August 25th, 2022, at 10:00am, staff noticed a broken pipe by the Water Treatment Complex which released 20m3 of contact water on the ground. The spill was contained to the local area. Further investigation is currently being conducted and findings will be provided on the follow-up report.

Location of spill: 63 2' 42" N 92 13' 52" W
No water bodies were impacted, the closest water body (Meliadine Lake) is approximately 585m away (NNE).

Pursuant to Part H, Section 8c of the Water License, a follow-up report will be issued after a closer investigation is completed.
Reported by Randy Schwandt Environment Coordinator (819-759-3555, x4603996).

L	REPORTED TO SPILL LINE BY **Randy Schwandt**	POSITION **Env. Coordinator**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Sara Savoie**	POSITION **Environment GS**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-759-3555**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

September 21, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-362 – Release of 20 m^3 of contact water at the Meliadine Gold Mine

On August 25th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 20 m^3 of contact water at the Meliadine Mine site (spill location coordinates: (63° 2'42"N 92°13'52"W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On August 25th, 2023, at approximately 10:00 am, there was an inadvertent release of approximately 20 m^3 of contact water outside the Water Treatment Complex (WTC) during the Saline Effluent Treatment Plant (SETP) commissioning activities. A High-Density Polyethylene (HDPE) influent line that transitions to a Polyvinyl Chloride (PVC) coupler as it enters the WTC was conveying saline contact water from Tiriganiaq Open Pit 2 (Tiri 02) to the SETP. The contraction of the HDPE line caused the vertical portion of the coupling to shift, then break due to additional stress, resulting in a spill of contact water. Due to the location of the spill, contact water flowed into Collection Pond 1 (CP1), a part of the site's surface contact runoff management system.

No water bodies were impacted by the spill. The closest water body (Meliadine Lake) is approximately 585 meters northeast, as seen in Figure 1.

Figure 1: Location of the contact water spill and proximity to water bodies.

Response and Remediation

In response to the spill incident, contact water being conveyed to the SETP was immediately suspended to prevent further spillage. As per the Spill Contingency Plan, the Environmental Department was notified to assess the situation.

Given the volume of the release, the event was calculated to have a negligible impact on CP1 water quality. As the spilled contact water originated from saline water storage in Tiri 02, total dissolved solids (TDS) is the parameter of interest in this event. Through a mass balance calculation, it was determined that the spill could result in a maximum 0.002% increase on CP1 TDS levels. Electrical conductivity readings were collected within CP1 as seen in Figure 2. Samples were also taken and submitted to a third-party laboratory as due diligence. Field readings and laboratory results are provided in Table 1 below. Results were not indicative of significant changes in water quality nor of the presence of an isolated plume of spilled water at the sampled locations. Concurrent with the sampling and mass balance calculation efforts, the Effluent Water Treatment Plant (EWTP) was placed into recirculation mode on August 25th, suspending discharge to Meliadine Lake (MEL-14). The EWTP remained in recirculation until August 29th. This measure was precautionary, to ensure impact to the TDS level of CP1 was negligible before resuming discharge to the environment. Once it was confirmed that the impact was negligible, discharge was resumed.

It is important to note that the EWTP is continuously monitored for electrical conductivity and trigger limits for stopping discharge are in place for TDS exceedance mitigation during periods of discharge. When a trigger limit is reached, the EWTP-WTC stops discharge immediately and begins recirculating treated water to CP1.

Figure 2: Location of sampling efforts.

Table 1: Field measurements and laboratory results related to sampling efforts.

	08/27/2023	08/27/2023	08/27/2023
Parameter	CP1-A	CP1-B	CP1-C
Field conductivity (µS/cm)	2,794	2,783	2,754
Lab Conductivity (µS/cm)	2,700	2,700	2,600
Total Dissolved Solids (mg/L)	1,470	1,470	1,450

Root Cause and Corrective Measures

An assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- Inadequate support and anchoring of the HDPE line where it enters the WTC.
- HPDE/PVC coupler design did not allow for expansion and contraction of the line.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- Enhance the HDPE pipe support and anchoring to reduce movement of the line where it enters the WTC.
- Replace the PVC outside of the building with HDPE.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Alexandre Langlais-Bourassa | Environment Coordinator
alexandre.langlais-bourassa@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com

Appendix A – Photos

Photo 1: Broken segment of PVC pipe, facing southwest.

Photo 2: Broken segment of PVC pipe, facing southeast.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **08-30-2023**	REPORT TIME **18:00**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **08-30-2023**	OCCURRENCE TIME **05:00**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **25 Liters**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Lift station**	SPILL CAUSE **Equipment Failure**	AREA OF CONTAMINATION IN SQUARE METRES **0.5**
J	FACTORS AFFECTING SPILL OR RECOVERY **none**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

A transformer failure resulting in a power outage at the Wing 4 lift station caused 25 L of sewage to spill out of containment onto the industrial pad. The spill was constrained to the local area. Clean up activities were immediately undertaken.

The coordinates of the spill are 63º 2' 23''N, 92º 13' 44''W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 225 m north.
Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Kevin Smith, Hydrogeology Specialist 819-759-3555 ext. 4603961, kevin.smith2@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY **Kevin Smith**	POSITION **Hydro Specialist**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Kyle Conway**	POSITION **General Supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-860-1033**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

AGNICO EAGLE
MELIADINE

September 30th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email:Kyle.Amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-368 – Release of 25 L of Sewage at the Meliadine Gold Mine

On August 30th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 25 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 2’ 23’’N, 92° 13' 44’’W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On August 30th, 2023, at approximately 05:00, an estimated 25 L of sewage was spilled onto the industrial pad by wing 4 lift station. A power failure at wing 4 de-energized the lift station and caused the spill. No water bodies were impacted by this spill. The closest water body (Lake G2) is approximately 225 meters northwest, as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Response and Remediation

E&I Maintenance received the call reporting a transformer failure resulting in a power outage at wing 4. This prompted the dispatch of personnel to investigate the situation at wing 4 lift station. Upon arrival, personnel noticed the spill and closed the water source to prevent any further spillage. A vacuum truck was brought up to pump the water in the basin and the secondary containment. Spill pads were laid out to soak up any remaining wastewater on the ground. These pads were then disposed of in the incinerator.

AGNICO EAGLE
MELIADINE

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- In wing 4, a transformer failure occurred, resulting in the de-energizing of the pumps within their respective lift station.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- The electrical department completed an evaluation of and continues to implement updates to the lift station systems. The initial focus was on the main camp lift stations as they have the potential for larger volume spills. The secondary focus has been on the accommodation wing lifts stations. Completed and planned efforts are summarized below:

<u>Main Camp Lift Stations</u>

- Replaced pump control (previous floats) with Ultrasonic level sensor & high-level switch – increased reliability.
- Added pump drives to the network.
- Added a low temperature switch in the main lift station.
- Added equipment visibility on HMI (STP – Lift station page).
- Set alarms to notify designated phones and radios.
- Have plan to move drives into the electrical room away from the harsh lift station environment.
- Have plan to install drives on separate circuits to ensure pump redundancy.

<u>Accommodation Wing Lift Stations (Planned)</u>

- Each wing lift station will have low temperature, pump fault and loss of power alarms that will allow control of the wings water supply valve.
- Engineering of these changes is complete – 95% of parts have been received.

- Awaiting enclosures to arrive to build the remote PLC (programmable logic controller) panels.
- CAT5 cable to be pulled to each wing mech room/e-room – cable will be received on the 2023 sealift.
- Network switches to be added to IT panels (connect remote PLC panels with the rest of the network).
- Alarms to be added to HMI (Human Machine Interface) and alert designated phones/radios.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

AGNICO EAGLE

Alexandre Langlais-Bourassa | Environment Coordinator
alexandre.langlais-bourassa@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photo 1: Sewage spill location.

Photo 2: Sewage spill remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **09-21-2023**	REPORT TIME **15:00**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **09-20-2023**	OCCURRENCE TIME **18:00**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **40 Liters**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Lift station**	SPILL CAUSE **Equipment Failure**	AREA OF CONTAMINATION IN SQUARE METRES **1**
J	FACTORS AFFECTING SPILL OR RECOVERY **None**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

An equipment failure at Wing 13 lift station caused 40 L of sewage to spill out of containment onto the industrial pad. The spill was constrained to the local area. Clean up and remediation activities were immediately undertaken.

The coordinates of the spill are 63º 2' 23''N, 92º 13' 53''W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 200 m north.
Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Alexandre Langlais-Bourassa, Environment Coordinator, 819-759-3555 ext. 4603996, alexandre.langlais-bourassa@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY **Alexandre Langlais**	POSITION **Environment Coord.**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Kyle Conway**	POSITION **General Supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-860-1033**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

October 19, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: Kyle.Amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-402 – Release of 40 L of Sewage at the Meliadine Gold Mine

On September 21st, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 40 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 2' 22''N, 92° 13' 41''W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On September 20th, 2023, at approximately 18:00, an estimated 40 L of sewage was spilled onto the industrial pad by wing 13 lift station. The pump was unplugged during routine lift station maintenance at wing 13 and was not plugged back in during the restart, causing the spill. No water bodies were impacted by this spill. The closest water body (Lake G2) is approximately 200 meters northwest, as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Response and Remediation

E&I Maintenance observed that the high-water level strobe light was on around 18:00 at wing 13. This prompted the dispatch of personnel to investigate the situation at wing 13 lift station. Upon arrival, personnel noticed the spill and closed the water source to prevent any further spillage. A vacuum truck was brought up to pump the water in the basin and the secondary containment. Spill pads were laid out to soak up any remaining wastewater on the ground. These pads were then disposed of in the incinerator. The ground surface was also hand excavated, and the recovered material was brought to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- Investigation determined that the pumps were left unplugged after routine maintenance was completed.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- During the daily inspection of the lift stations, staff will verify that float pumps are plugged into the PDC-230 after any maintenance event; this has been added to the daily maintenance check list.

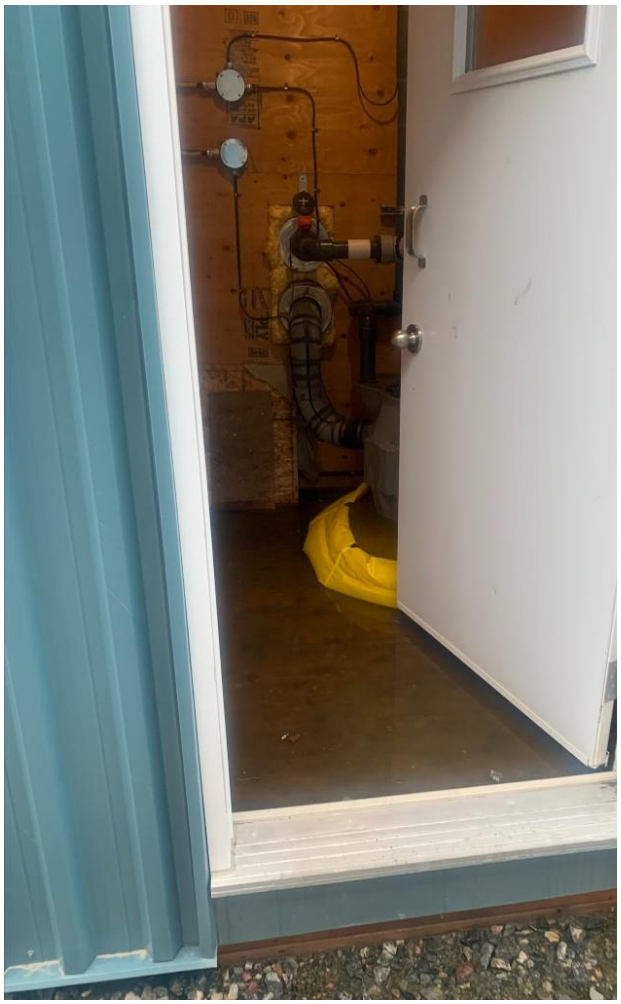
Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Randy Schwandt | Environment Coordinator
randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photos 1 and 2: Sewage spill location.



Photos 3 and 4: Spill location post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **10-16-2023**	REPORT TIME **19:00**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **10-16-2023**	OCCURRENCE TIME **17:00**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **10 Liters**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Lift station**	SPILL CAUSE **Equipment Failure**	AREA OF CONTAMINATION IN SQUARE METRES **1**
J	FACTORS AFFECTING SPILL OR RECOVERY **None**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

An equipment failure at Wing 14 lift station caused 10 L of sewage to spill out of containment onto the industrial pad. The spill was constrained to the local area. Clean up and remediation activities were immediately undertaken.

The coordinates of the spill are 63º 2' 22''N, 92º 13' 53''W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 195 m north.
Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Randy Schwandt, Environment Coordinator, 819-759-3555 ext. 4603996, Randy.Schwandt@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY **Randy Schwandt**	POSITION **Environment Coord.**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Kyle Conway**	POSITION **General Supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-860-1033**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

October 30th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: Kyle.Amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-436 – Release of 10 L of Sewage at the Meliadine Gold Mine

On October 16th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 10 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 2’ 22’N, 92° 13' 53’’W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On October 16th, 2023, at approximately 17:00, an estimated 10 L of sewage was spilled onto the industrial pad by wing 14 lift station. A transfer pump failed due to blockage at the intake of the pumps, resulting in the sewage spill. No water bodies were impacted by this spill. The closest water body (Lake G2) is approximately 195 m northwest, as seen in Figure 1.

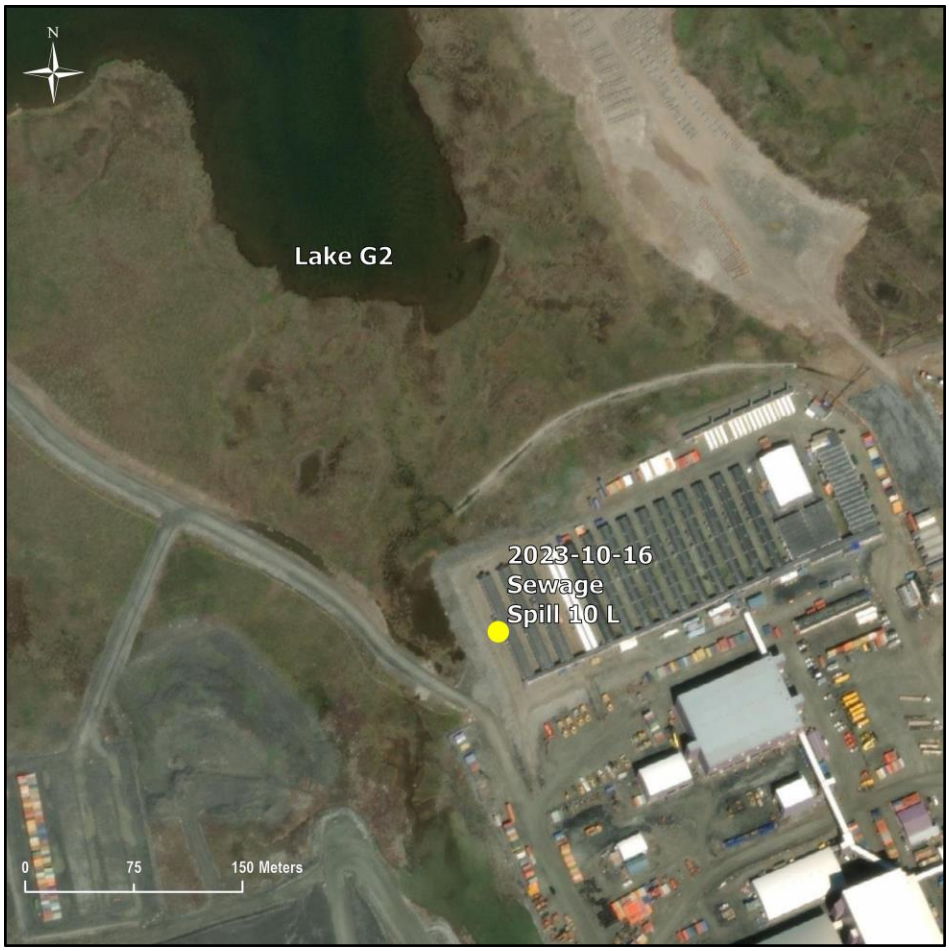


Figure 1: Location of the sewage spill and proximity to water bodies.

Response and Remediation

During a routine inspection of the site sewage system, an employee form the Energy and Infrastructure (E&I) maintenance department noticed that the high-water level strobe had been activated at wing 14 at 16:50. Upon inspection, the employee observed the presence of sewage effluent outside the lift station enclosure. In response, a vacuum truck was promptly dispatched to pump out the water accumulated in the lift station basin. The ground surface was hand excavated, and the recovered material was brought to Landfarm A as per the Spill Contingency Plan. The employee inspected the transfer pump and discovered a personal hygienic product obstructing the intake and had caused the pump to burn out. The personal hygienic product was then removed from the pump system, the pump was replaced, and the system was back on full functionality the same day.

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- Investigation determined that personal hygienic products obstructed the intake of the float pump, causing the pump to fail.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- All employees in wing 14 were met individually by their supervisor, and they were briefed on the importance of not flushing personal hygienic products in the bathroom.

- Site-wide notification was also sent in the Meliadine minute for supervisors to talk with their team about the importance of putting personal hygienic products in the garbage.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Alexandre Langlais-Bourassa, M.Sc. Biol. | Environment Coordinator
alexandre.langlais-bourassa@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photos 1: Sewage spill location.

Photos 2: Spill location post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 11-05-2023	REPORT TIME 13:30	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 11-04-2023	OCCURRENCE TIME 15:30		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL11D01	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Project	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES 63 MINUTES 2 SECONDS 21	LONGITUDE DEGREES 92 MINUTES 13 SECONDS 41
F	RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines Ltd.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut, X0C 0G0
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A

H	PRODUCT SPILLED Suspended Solids	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Unknown	U.N. NUMBER N/A
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A
I	SPILL SOURCE Streambed sediments	SPILL CAUSE Pump suction of sediments	AREA OF CONTAMINATION IN SQUARE METRES Unknown
J	FACTORS AFFECTING SPILL OR RECOVERY Ice	DESCRIBE ANY ASSISTANCE REQUIRED None	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT None

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

Construction work was being conducted to replace the culvert at Itivia upstream of MEL-SR-1. Water pumped from below ice upstream of the culvert was directed downstream, into the partially installed culvert, to create a dry working environment. A sample of runoff water collected further downstream of the culvert installation yielded a turbidity measurement of 69.7 NTU, presumed to be above the maximum TSS concentration of 100 mg/L outlined in Part D, Item 18 of the NWB Water Licence 2AM-MEL1631 (the Licence). Construction work ceased until the following day, where additional monitoring and sedimentation mitigations could be implemented.

Location of spill: 62 47'59.94"N, 92 5'35.74"W. The closest water body (Melvin Bay) is approximately 75 m south. Pursuant to Part H, Item 8c of the Licence, a follow-up report will be issued after an investigation is completed.

L	REPORTED TO SPILL LINE BY John Baechler	POSITION Env. Coordinator	EMPLOYER AEM	LOCATION CALLING FROM Meliadine	TELEPHONE 819-759-3555
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION Env. General Supervis	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meliadine	ALTERNATE TELEPHONE 819-759-3555

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

December 4th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-462 – MEL-SR-1 Surface Water Runoff at the Meliadine Gold Mine, Itivia Site

On November 5th, 2023, as due diligence, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a potential Total Suspended Solids (TSS) exceedance at the Meliadine Gold Mine, Itivia site (spill location coordinates: 62 47'59.94'' N, 92 5'35.74" W).

This follow-up report provides supplemental information based on the results of the event assessment and is being provided in accordance with:

- Nunavut Water Board Licence Water Licence 2AM-MEL1631, part H, item 8c; and
- The Fisheries Act, subsection 38(7).

Analytical results of samples collected on November 4th and November 5th show TSS concentrations below the allowable TSS criteria listed under Part D, Item 18 of the 2AM-MEL1631 Water Licence.

Thus, the event was reported as due diligence and is not an exceedance under Part D Item 18 of the 2AM-MEL1631 Water Licence.

Description of Event

On November 4th, 2023, construction work was underway to replace two culverts at the Itivia laydown area which sustained damage following a significant rainfall event on June 7th, 2023. To

facilitate the placement of riprap on the upstream side of the partially installed culverts, an area of ice and soil was excavated, resulting in the upwelling of unfrozen water present beneath the ice.

Figure 1: MEL-SR-1 monitoring location.

A submersible pump was installed in the excavation upstream of the culverts to dewater the area, and the discharge stream was directed into one of the partially installed culverts (Figure 2). Approximately 6 m^3 of water was pumped from the excavation.

Figure 2: Dewatering of excavated area upstream of new Itivia culverts.

Sampling Results

A water sample was collected from runoff at station MEL-SR-1, downstream of the culverts (Figure 3), November 4th. The sample was brought back to the mine site and measured for turbidity, yielding a reading of 69.7 NTU. The sample was internally analyzed for TSS at the mine site Assay Laboratory and results reported a TSS concentration of 43.5 mg/L, well below the 100 mg/L-TSS effluent quality limit identified in Part D, Item 18 of the Licence.

An assessment of a TSS to turbidity ratio was conducted specific to the composition of water present at the MEL-SR-1 station. Using pairs of field turbidity readings and laboratory assessed TSS concentrations for historic sample events at MEL-SR-1 and MEL-SR-7 (these stations represent a similar flow path), a linear rating curve was established to estimate TSS concentration from an input turbidity measurement. Using the rating curve, the November 4th MEL-SR-1 measurement of 69.7 NTU resulted in an approximate TSS concentration of 42.5 mg/L.

As shown in Table 1, the results of both assessment methods have a low percent difference, providing confidence that the runoff at MEL-SR-1 did not exceed the TSS effluent quality limit identified in Part D, Item 18 of the Licence.

Table 1: Results from internal analysis of November 4th sample.

Assessment Method	Total Suspended Solids (mg/L)
Assay Lab	43.5
TSS:Turbidity Relationship*	42.5
% Difference	2.3 %

** TSS calculation of 69.7 NTU from TSS:Turbidity rating curve, derived from historic MEL-SR-1 + MEL-SR-7 data.*

On November 5th, a sample was collected for analysis of group 1 parameters at monitoring station MEL-SR-1, per table 2 of the Licence.

Laboratory analytical results for the MEL-SR-1 sample reported a concentration of 14 mg/L TSS, which is below the TSS effluent quality limit listed under Part D Item 18 of the 2AM-MEL1631 Water Licence.

Figure 3: Discharge of pump dewatering downstream of Itivia culverts.

Sedimentation Controls

As per the Sediment and Erosion Management Plan, mitigation measures were installed to control potential sedimentation issues prior to further dewatering of the sump upstream of the culverts.

On November 5th, 2023, a sediment dewatering bag was installed on the end of the pump discharge hose, and straw and woodchip wattles were installed downstream of the culvert prior to resuming dewatering (Figure 4).

Figure 4: Sediment dewatering bag and straw/wood chip wattles installed downstream.

Following the resumption of pumping, a series of turbidity measurements were collected at MEL-SR-1, downstream of the culverts, and their results are indicative of efficient sedimentation control measures.

Table 2: Turbidity readings of November 5th monitoring.

Time (November 5th)	Turbidity (NTU)
09:44	29.6
09:58	22.7
10:13	9.38

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Alexandre Langlais-Bourassa, M.Sc. Biol. | Environment Coordinator
alexandre.langlais-bourassa@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix A – Certificate of Analysis

Your P.O. #: 1253250
Site Location: MELIADINE
Your C.O.C. #: n/a

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2023/11/14
Report #: R7910701
Version: 1 - Partial

CERTIFICATE OF ANALYSIS – PARTIAL RESULTS

BUREAU VERITAS JOB #: C3Z1334
Received: 2023/11/08, 10:00

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity	1	N/A	2023/11/10	CAM SOP-00448	SM 24 2320 B m
Carbonate, Bicarbonate and Hydroxide	1	N/A	2023/11/11	CAM SOP-00102	APHA 4500-CO2 D
Chloride by Automated Colourimetry	1	N/A	2023/11/10	CAM SOP-00463	SM 23 4500-Cl E m
Fluoride	1	2023/11/09	2023/11/10	CAM SOP-00449	SM 24 4500-F C m
Mercury (low level)	1	2023/11/13	2023/11/13	CAM SOP-00453	EPA 7470 m
Total Ammonia-N	1	N/A	2023/11/10	CAM SOP-00441	USGS I-2522-90 m
Total Oil and Grease	1	2023/11/12	2023/11/12	CAM SOP-00326	EPA1664B m,SM5520B m
pH	1	2023/11/09	2023/11/10	CAM SOP-00413	SM 24th - 4500H+ B
Orthophosphate	1	N/A	2023/11/10	CAM SOP-00461	SM 23 4500-P E m
Total Dissolved Solids	1	2023/11/09	2023/11/10	CAM SOP-00428	SM 23 2540C m
Total Phosphorus (Colourimetric)	1	2023/11/09	2023/11/10	CAM SOP-00407	SM 23 4500-P I
Low Level Total Suspended Solids	1	2023/11/10	2023/11/13	CAM SOP-00428	SM 23 2540D m
Turbidity	1	N/A	2023/11/09	CAM SOP-00417	SM 23 2130 B m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCCFP, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Your P.O. #: 1253250
Site Location: MELIADINE
Your C.O.C. #: n/a

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2023/11/14
Report #: R7910701
Version: 1 - Partial

CERTIFICATE OF ANALYSIS – PARTIAL RESULTS

BUREAU VERITAS JOB #: C3Z1334
Received: 2023/11/08, 10:00

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C3Z1334
Report Date: 2023/11/14

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: MM

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		XNY545		
Sampling Date		2023/11/05 09:45		
COC Number		n/a		
	UNITS	MEL-SR1	RDL	QC Batch
Calculated Parameters				
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	290	1.0	9038716
Carb. Alkalinity (calc. as CaCO3)	mg/L	1.1	1.0	9038716
Inorganics				
Total Ammonia-N	mg/L	3.8	0.050	9040409
Total Dissolved Solids	mg/L	3530	10	9040888
Fluoride (F-)	mg/L	0.17	0.10	9041103
Orthophosphate (P)	mg/L	<0.010	0.010	9040999
pH	pH	7.62		9041107
Total Phosphorus	mg/L	0.059	0.020	9041080
Total Suspended Solids	mg/L	14	2	9042133
Turbidity	NTU	5.1	0.1	9039791
Alkalinity (Total as CaCO3)	mg/L	290	1.0	9041099
Dissolved Chloride (Cl-)	mg/L	1500	20	9040995
Petroleum Hydrocarbons				
Total Oil & Grease	mg/L	0.80	0.50	9044998

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3Z1334
Report Date: 2023/11/14

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		XNY545		
Sampling Date		2023/11/05 09:45		
COC Number		n/a		
	UNITS	MEL-SR1	RDL	QC Batch
Metals				
Mercury (Hg)	mg/L	<0.00001	0.00001	9046051

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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GENERAL COMMENTS

Sample XNY545 [MEL-SR1] : TSS analysis: Due to the nature of the sample, a smaller than usual portion of the sample was used.

Results relate only to the items tested.

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Bureau Veritas Job #: C3Z1334
Report Date: 2023/11/14

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: MM

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9039791	LKI	Spiked Blank	Turbidity	2023/11/09		101	%	80 - 120
9039791	LKI	Method Blank	Turbidity	2023/11/09	<0.1		NTU	
9039791	LKI	RPD	Turbidity	2023/11/09	6.5		%	20
9040409	KPJ	Matrix Spike	Total Ammonia-N	2023/11/10		104	%	75 - 125
9040409	KPJ	Spiked Blank	Total Ammonia-N	2023/11/10		104	%	80 - 120
9040409	KPJ	Method Blank	Total Ammonia-N	2023/11/10	<0.050		mg/L	
9040409	KPJ	RPD	Total Ammonia-N	2023/11/10	NC		%	20
9040888	RTB	Spiked Blank	Total Dissolved Solids	2023/11/10		95	%	90 - 110
9040888	RTB	Method Blank	Total Dissolved Solids	2023/11/10	<10		mg/L	
9040888	RTB	RPD	Total Dissolved Solids	2023/11/10	13		%	20
9040995	MJ1	Matrix Spike	Dissolved Chloride (Cl-)	2023/11/10		99	%	80 - 120
9040995	MJ1	Spiked Blank	Dissolved Chloride (Cl-)	2023/11/10		103	%	80 - 120
9040995	MJ1	Method Blank	Dissolved Chloride (Cl-)	2023/11/10	<1.0		mg/L	
9040995	MJ1	RPD	Dissolved Chloride (Cl-)	2023/11/10	NC		%	20
9040999	MJ1	Matrix Spike	Orthophosphate (P)	2023/11/10		92	%	75 - 125
9040999	MJ1	Spiked Blank	Orthophosphate (P)	2023/11/10		95	%	80 - 120
9040999	MJ1	Method Blank	Orthophosphate (P)	2023/11/10	<0.010		mg/L	
9040999	MJ1	RPD	Orthophosphate (P)	2023/11/10	NC		%	20
9041080	MUM	Matrix Spike [XNY545-06]	Total Phosphorus	2023/11/10		109	%	80 - 120
9041080	MUM	QC Standard	Total Phosphorus	2023/11/10		107	%	80 - 120
9041080	MUM	Spiked Blank	Total Phosphorus	2023/11/10		104	%	80 - 120
9041080	MUM	Method Blank	Total Phosphorus	2023/11/10	<0.020		mg/L	
9041080	MUM	RPD [XNY545-06]	Total Phosphorus	2023/11/10	3.4		%	20
9041099	NGI	Spiked Blank	Alkalinity (Total as CaCO3)	2023/11/10		99	%	85 - 115
9041099	NGI	Method Blank	Alkalinity (Total as CaCO3)	2023/11/10	<1.0		mg/L	
9041099	NGI	RPD	Alkalinity (Total as CaCO3)	2023/11/10	1.5		%	20
9041103	NGI	Matrix Spike	Fluoride (F-)	2023/11/10		99	%	80 - 120
9041103	NGI	Spiked Blank	Fluoride (F-)	2023/11/10		102	%	80 - 120
9041103	NGI	Method Blank	Fluoride (F-)	2023/11/10	<0.10		mg/L	
9041103	NGI	RPD	Fluoride (F-)	2023/11/10	1.4		%	20
9041107	NGI	Spiked Blank	pH	2023/11/10		102	%	98 - 103
9041107	NGI	RPD	pH	2023/11/10	0.22		%	N/A
9042133	RTB	Spiked Blank	Total Suspended Solids	2023/11/13		100	%	85 - 115
9042133	RTB	Method Blank	Total Suspended Solids	2023/11/13	<1		mg/L	
9042133	RTB	RPD	Total Suspended Solids	2023/11/13	8.0		%	20
9044998	NSG	Spiked Blank	Total Oil & Grease	2023/11/12		98	%	85 - 115
9044998	NSG	RPD	Total Oil & Grease	2023/11/12	0.25		%	25
9044998	NSG	Method Blank	Total Oil & Grease	2023/11/12	<0.50		mg/L	
9046051	MPJ	Matrix Spike	Mercury (Hg)	2023/11/13		106	%	75 - 125
9046051	MPJ	Spiked Blank	Mercury (Hg)	2023/11/13		107	%	80 - 120
9046051	MPJ	Method Blank	Mercury (Hg)	2023/11/13	<0.00001		mg/L	

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9046051	MPJ	RPD	Mercury (Hg)	2023/11/13	2.8		%	20

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

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Bureau Veritas Job #: C3Z1334
Report Date: 2023/11/14

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: MM

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

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NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **11-06-2023**	REPORT TIME **19:15**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **11-06-2023**	OCCURRENCE TIME **06:30**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **50 Liters**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Lift station**	SPILL CAUSE **Human error**	AREA OF CONTAMINATION IN SQUARE METRES **10**
J	FACTORS AFFECTING SPILL OR RECOVERY **None**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

Sewage spilled onto the ground from a lift station port valve that was not fully closed. Sewage that was not frozen was removed with a vacuum truck. Frozen sewage material is to be removed with equipment and placed into the operational Landfarm.

The coordinates of the spill are 63 1'36.68"N, 92 12'44.33"W. No water bodies were impacted by this spill. The nearest natural water body (H5A) is 650 m northeast.

Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

L	REPORTED TO SPILL LINE BY **John Baechler**	POSITION **Env Coordinator**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Kyle Conway**	POSITION **Env General Superviso**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-860-1033**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

December 5th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: Kyle.Amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-464 – Release of 50 L of Sewage at the Meliadine Gold Mine

On November 7th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 50 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63°1'36.68"N, 92°12'44.33"W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On November 6th, 2023, at approximately 06:30, an estimated 50 L of sewage was spilled onto the ground at the Orbit Garant holding tank. The facility was serviced but its valve was inadvertently left partially open, allowing for sewage to leak from the valve into the enclosure. No water bodies were impacted by this spill. The closest water body (Lake H5A) is approximately 650 m northeast, as seen in Figure 1.

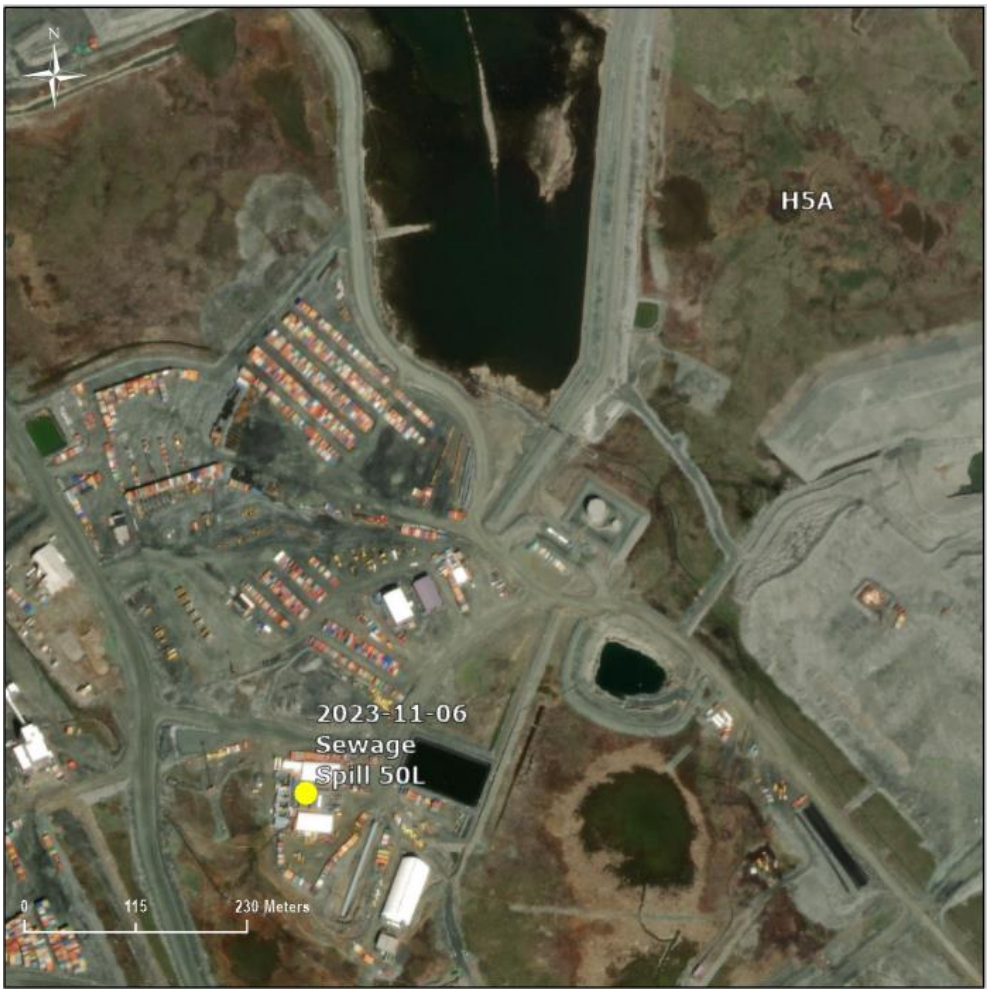

Figure 1: Location of the sewage spill and proximity to water bodies.

Response and Remediation

Upon detection of the spill, a member of the Energy & Infrastructure (E&I) department closed the valve stopping the leak. Following this, E&I personnel used a vacuum truck to remove free liquid within the secondary containment and the ground surface. E&I personnel then hand-excavated the area to recover the contaminated material. Snowfall occurred later in the morning; a loader was utilized to perform a final scraping in the affected area. The material collected was transported to Landfarm A as per the Spill Contingency Plan.

AGNICO EAGLE
MELIADINE

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- The spill occurrence was attributed to human oversight, specifically, the operators who last serviced the holding tank and removed sewage failed to secure the valve in the closed position.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- Staff were met by supervisors and reiterated the importance of having both operators working on the vacuum truck verify each other's work, reducing the likelihood of a future spill occurrence of this nature.

- The supervisors conveyed to the operators the importance of careful attention in their tasks, emphasizing the critical necessity of not rushing to complete tasks.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

AGNICO EAGLE
Alexandre Langlais-Bourassa, M.Sc. Biol. | Environment Coordinator
alexandre.langlais-bourassa@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos


Photos 1 & 2: Sewage spill location.

Photos 3: Spill location post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **11-11-2023**	REPORT TIME **14:15**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **11-11-2023**	OCCURRENCE TIME **06:00**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **50 Liters**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Lift station**	SPILL CAUSE **Equipment Failure**	AREA OF CONTAMINATION IN SQUARE METRES
J	FACTORS AFFECTING SPILL OR RECOVERY **None**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

Sewage was released on the ground at the Orbit Lift Station, investigation currently on-going to determine the cause. Sewage that was not frozen was collected with a vacuum truck. Frozen material collected will be brought to Landfarm A, as per the Spill Contingency Plan.

The coordinates of the spill are 63º 1'36.68"N, 92 12'44.33"W. No water bodies were impacted by this spill. The nearest natural water body (H5A) is 650 m northeast.
Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Randy Schwandt, Environment Coordinator, 819-759-3555 ext. 4603996, Randy.Schwandt@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY **Randy Schwandt**	POSITION **Environment Coord.**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Kyle Conway**	POSITION **General Supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-860-1033**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

December 6th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: Kyle.Amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-469 – Release of 50 L of Sewage at the Meliadine Gold Mine

On November 11th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 50 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63°1'36.68"N, 92°12'44.33"W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On November 11th, 2023, at approximately 06:00, an estimated 50 L of sewage was spilled onto the ground by Orbit Garant holding tank. The Energy and Infrastructure (E&I) department discovered a leak resulting from a malfunctioning valve. The closest water body (Lake H5A) is approximately 650 m northeast, as seen in Figure 1.

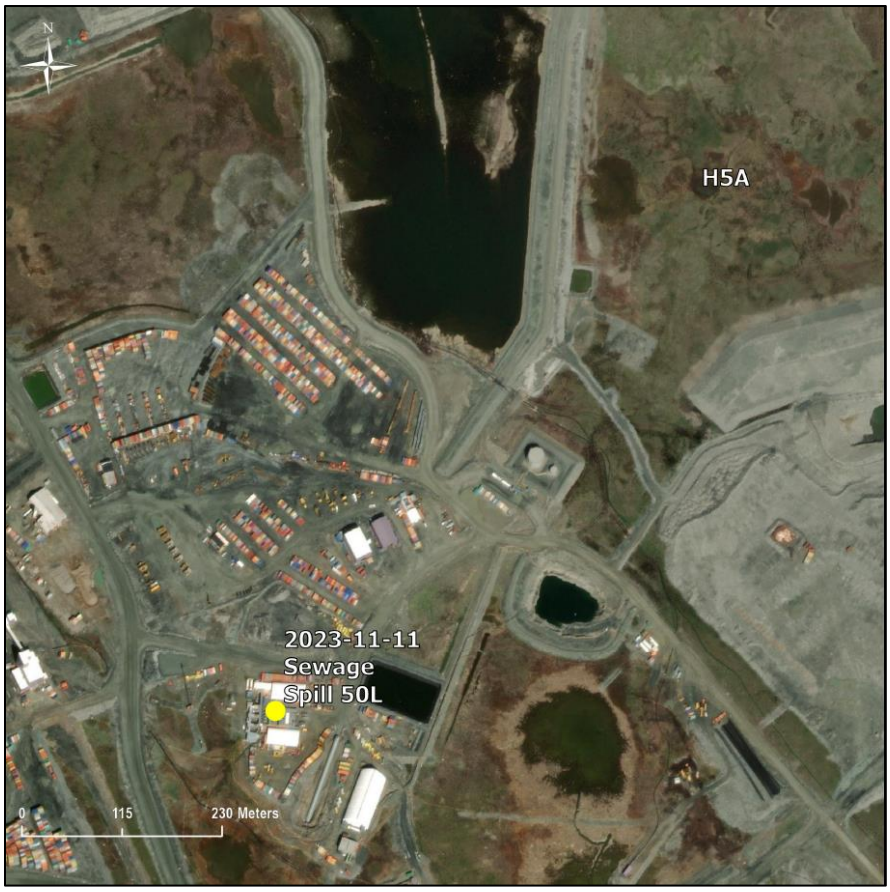

Figure 1: Location of the sewage spill and proximity to water bodies.

Response and Remediation

The leak was discovered by E&I personnel during a routine daily facility inspection. In response, a plumber was called to replace the malfunctioning valve and install a camlock cap as an additional precaution. Subsequently, E&I personnel hand-excavated the area to recover the contaminated material and transported the material to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- A broken valve caused the spill to occur.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- Secondary containment inside the Orbit holding tank to be replaced by the end of 2023 to increase holding capacity.
- Installation of camlock caps to all lift station and holding tank connections by the end of 2023 to prevent sewage from exiting the line in the event of a valve malfunction.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Alexandre Langlais-Bourassa, M.Sc. Biol. | Environment Coordinator
alexandre.langlais-bourassa@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photos 1: Sewage spill location.

Photos 2: Spill location post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **11-30-2023**	REPORT TIME **13:00**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **11-29-2023**	OCCURRENCE TIME **14:30**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Mine**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **23**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **50**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **Unknown**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Lift station**	SPILL CAUSE **Equipment Failure**	AREA OF CONTAMINATION IN SQUARE METRES **Unknown**
J	FACTORS AFFECTING SPILL OR RECOVERY **None**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

An unknown quantity of sewage spilled from wing 10 lift station, clean-up is being conducted. Ongoing investigation will confirm quantity of the sewage spilled and root cause.

The coordinates of the spill are 63°2'23.01"N, 92°13'50.20"W. No water bodies were impacted by this spill. The nearest natural water body (H5A) is 250 m northwest.
Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow-up report will be issued after the investigation is completed.

Reported by Alexandre Langlais-Bourassa, Environment Coordinator, 819-759-3555 ext. 4603996, Alexandre.Langlais-Bourassa@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY **A. L.-Bourassa**	POSITION **Environment Coord.**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Sara Savoie**	POSITION **General Supervisor**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-856-9349**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

December 28th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: Kyle.Amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-509 – Release of 4m^3 of Sewage at the Meliadine Gold Mine

On November 29th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of an unknown quantity of sewage at the Meliadine Gold Mine site (spill location coordinates: 63°2'23.01"N, 92°13'50.20"W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On November 29th, 2023, at 13:00, approximately 4m^3 of sewage was inadvertently released to the camp pad due to a damaged sewage distribution line between the accommodations and the Wing 10 lift station. Snow accumulation caused a crack due to direct stress on the line. The nearest water body of water, Lake G2, is located about 250 m northwest as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Response and Remediation

The leak was discovered by Energy & Infrastructure (E&I) personnel during snow removal activities after a recent blizzard event. An equipment operator immediately notified their supervisor of the leak and personnel were sent to assess and conduct the necessary repairs. Once the snow was removed and area was made accessible, the damaged section of the line was replaced, and an additional support bracket was installed in this location. Subsequently, E&I personnel excavated the area with a backhoe to recover sewage impacted snow and transported the material to Landfarm A as per the Spill Contingency Plan.

Temporary insulation was installed around the repaired section of the distribution line. A work order was created to complete the final insulation of the line and will be completed in the coming days.

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- Insufficient support beneath the sewage line.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- Installation of additional sewage line support brackets.
- Audit to be conducted on all the accommodation wing sewage distribution lines to determine if this risk is present elsewhere.
- Install a protective canopy over the lift station sewage intake and discharge lines to prevent snow accumulation on the infrastructure.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Alexandre Langlais-Bourassa, M.Sc. Biol. | Environment Coordinator
alexandre.langlais-bourassa@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
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Appendix – Photos

Photo 1: Sewage spill location.

Photo 2: Spill location post snow removal.

Photo 3: Spill location post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **12-11-2023**	REPORT TIME **16:35**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **12-11-2023**	OCCURRENCE TIME **12:30**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **10 Liters**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Sewage vacuum truck**	SPILL CAUSE **Human Error**	AREA OF CONTAMINATION IN SQUARE METRES **1**
J	FACTORS AFFECTING SPILL OR RECOVERY **None**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

During routine sewage collection, approximately 10L of residual sewage spilled onto the industrial pad while disconnecting the hose from a holding tank. The spill was contained to the local area. Clean-up activities were immediately undertaken.

The coordinates of the spill are 63° 1'21''N, 92°13'56''W. No water bodies were impacted by this spill. The nearest natural water body (B5) is 260 m west.
Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Randy Schwandt, Environment Coordinator, 819-759-3555 ext. 4603996, Randy.Schwandt@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY **Randy Schwandt**	POSITION **Environment Coord.**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Alex Bourassa**	POSITION **Environment Coord.**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-759-3555**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

January 9th, 2024

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: Kyle.Amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-518 – Release of 10 L of Sewage at the Meliadine Gold Mine

On December 11th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 10 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 1'21''N, 92°13'56''W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On December 11th, 2023, at approximately 12:30, an estimated 10 L of sewage was spilled onto the industrial pad by the west exhaust raise. Residual sewage in vacuum truck transfer hose was released when disconnecting the hose from a wash car holding tank, resulting in the sewage spill. No water bodies were impacted by this spill. The closest water body (Lake B5) is approximately 260 m southwest, as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Response and Remediation

The operator of the vacuum truck contacted their supervisor and the Environment department soon after the spill event occurred. The Environment department promptly responded to the spill and upon arrival, the ground surface was hand excavated, and the recovered material was brought to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- The vacuum truck operator failed to fully empty the transfer hose prior to disconnecting the hose from the holding tank.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- The procedure was reviewed with sewage truck operator.
- Secondary containment (drip tray) will be used when disconnecting hose from holding tank.
- Assess the equipment for optimization opportunities to reduce the chances for human error.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Randy Schwandt | Environment Coordinator
randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photo 1: Sewage spill location.

Photo 2: Spill location post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **12-11-2023**	REPORT TIME **16:35**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **12-11-2023**	OCCURRENCE TIME **11:30**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **10 Liters**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Wing 4 lift station**	SPILL CAUSE **Power failure**	AREA OF CONTAMINATION IN SQUARE METRES **1**
J	FACTORS AFFECTING SPILL OR RECOVERY **None**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

Approximately 10 L of sewage spilled onto the industrial pad at the Wing 4 lift station due to a local power failure. The spill was contained to the local area. Clean-up activities were immediately undertaken.

The coordinates of the spill are 63° 2'24''N, 92°13'45''W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 220 m north.
Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Randy Schwandt, Environment Coordinator, 819-759-3555 ext. 4603996, Randy.Schwandt@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY **Randy Schwandt**	POSITION **Environment Coord.**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Alex Bourassa**	POSITION **Environment Coord.**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-759-3555**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

January 8th, 2024

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: Kyle.Amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-517 – Release of 10 L of Sewage at the Meliadine Gold Mine

On December 11th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 10 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 2’ 24’N, 92° 13' 45’’W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On December 11th, 2023, at approximately 11:30, an estimated 10 L of sewage was spilled onto the industrial pad at the wing 4 lift station. Due to a site power outage, the transfer pump did not engage allowing the lift station holding tank to overflow. No water bodies were impacted by the spill. The closest water body (Lake G2) is approximately 220 m northwest, as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Response and Remediation

Once power was restored, the environment department conducted an inspection of the site sewage system. During this inspection, an employee observed the presence of sewage outside the wing 4 lift station enclosure. Upon further inspection, the secondary containment was observed to be full and had overflowed. In response, a vacuum truck was dispatched to pump out the sewage that accumulated in the lift station secondary containment. The ground surface was hand excavated, and the recovered material was brought to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- A site wide power outage resulted in the wing 4 lift station losing power and overflowing. Washrooms and laundry machines in wing 4 were in use at the time of the power outage. The water and sewage generated exceeded the capacity of the lift station holding tank.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- In the event of a power outage the water supply at the camp accommodation wings will be immediately shut off to prevent lift station overflows from occurring. This will also provide the Energy and Infrastructure department adequate time to systematically inspect and bring sewage system back online.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Randy Schwandt | Environment Coordinator
randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

AGNICO EAGLE
MELIADINE

Appendix – Photos

Photo 1: Sewage spill location.

Photo 2: Spill location post remediation.

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR **12-13-2023**	REPORT TIME **14:00**	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER ____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR **12-13-2023**	OCCURRENCE TIME **12:15**		

C	LAND USE PERMIT NUMBER (IF APPLICABLE) **KVPL11D01**	WATER LICENCE NUMBER (IF APPLICABLE) **2AM-MEL1631**
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION **Meliadine Gold Project**	REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN
E	LATITUDE DEGREES **63** MINUTES **2** SECONDS **21**	LONGITUDE DEGREES **92** MINUTES **13** SECONDS **41**
F	RESPONSIBLE PARTY OR VESSEL NAME **Agnico Eagle Mines Ltd.**	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION **Meliadine, Rankin Inlet, Nunavut, X0C 0G0**
G	ANY CONTRACTOR INVOLVED **N/A**	CONTRACTOR ADDRESS OR OFFICE LOCATION **N/A**

H	PRODUCT SPILLED **Sewage**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **5 Liters**	U.N. NUMBER **N/A**
	SECOND PRODUCT SPILLED (IF APPLICABLE) **N/A**	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES **N/A**	U.N. NUMBER **N/A**
I	SPILL SOURCE **Mill lift station**	SPILL CAUSE **Pump failure**	AREA OF CONTAMINATION IN SQUARE METRES **1**
J	FACTORS AFFECTING SPILL OR RECOVERY **None**	DESCRIBE ANY ASSISTANCE REQUIRED **N/A**	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT **N/A**

K — ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

Approximately 5 L of sewage spilled onto the industrial pad at the Mill lift station due to a pump failure. The spill was contained to the local area. Clean-up activities were immediately undertaken.

The coordinates of the spill are 63° 2'16''N, 92°13'35''W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 500 m northwest.
Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.

Reported by Randy Schwandt, Environment Coordinator, 819-759-3555 ext. 4603996, Randy.Schwandt@agnicoeagle.com.

L	REPORTED TO SPILL LINE BY **Randy Schwandt**	POSITION **Environment Coord.**	EMPLOYER **AEM**	LOCATION CALLING FROM **Meliadine**	TELEPHONE **819-759-3555**
M	ANY ALTERNATE CONTACT **Alex Bourassa**	POSITION **Environment Coord.**	EMPLOYER **AEM**	ALTERNATE CONTACT LOCATION **Meliadine**	ALTERNATE TELEPHONE **819-759-3555**

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130

LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC | SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN | FILE STATUS ☐ OPEN ☐ CLOSED

AGENCY	CONTACT NAME	CONTACT TIME	REMARKS
LEAD AGENCY			
FIRST SUPPORT AGENCY			
SECOND SUPPORT AGENCY			
THIRD SUPPORT AGENCY			

January 9th, 2024

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: Kyle.Amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2023-520 – Release of 5 L of Sewage at the Meliadine Gold Mine

On December 13th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 5 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 2’ 16’N, 92° 13' 35’’W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On December 13th, 2023, at approximately 12:15, an estimated 5 L of sewage was spilled onto the industrial pad at the mill lift station. The transfer pump failed to empty the lift station holding tank, resulting in sewage overflowing and causing the spill. No water bodies were impacted by this spill. The closest water body (Lake G2) is approximately 500 m northwest, as seen in Figure 1.

Figure 1: Location of the sewage spill and proximity to water bodies.

Response and Remediation

An electrician working in the area observed the lift station alarm. The employee is familiar with the lift station infrastructure and in response, they manually initiated the backup pump to draw down the sewage level and prevent further spillage. The employee observed the presence of sewage effluent outside the lift station enclosure and immediately contacted the environment department. The ground surface was hand excavated, and the recovered material was brought to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- A blockage in pump 1 caused the pump to fail. Although the pump intake was blocked, the pump was still running which did not signal pump 2 to engage.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- The electrical department installed a “high-high” level sensor at the mill lift station. If this sensor is triggered both pumps will engage to draw down the sewage level within the holding tank.
- The installation of a stronger audible/visual alarm is planned to be installed on the exterior of the lift station in the coming weeks.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Randy Schwandt | Environment Coordinator
randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

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MELIADINE

Appendix – Photos

Photo 1: Sewage spill location.

Photo 2: Spill location post remediation.