Meliadine Gold Mine
NWB 2AM-MEL1631
April 2025 Monthly Report

Prepared for:
Nunavut Water Board

Prepared by:
Agnico Eagle Mines Limited – Meliadine Division

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SECTION 1 • BACKGROUND

As required under Part I, Item 8 of amended Type A Water License 2AM-MEL1631, this report documents the water management and monitoring activities at the mine site and provides a summary of spills/actions for the month of April 2025.

SECTION 2 • WATER MANAGEMENT

2.1 WATER USAGE

Table 2.1 details monthly water usage approved under Water License 2AM-MEL1631.

Table 2.1: Summary of the monthly water usage in 2025

Usage	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2025 Total
MEL-11[1]	m^3	40,096	44,128	50,163	46,201	-	-	-	-	-	-	-	-	180,588
Dust suppression[2]	m^3	0	0	0	0	-	-	-	-	-	-	-	-	0
Dust suppression[3]	m^3	0	0	0	0	-	-	-	-	-	-	-	-	0

2.2 DEWATERING ACTIVITIES

No dewatering activities took place during the month.

2.3 WATER DISCHARGE

Table 2.3 details monthly water discharge, including:

- discharge from the EWTP to Meliadine Lake via the Final Discharge Point (MEL-14);
- discharge of treated saline effluent to Melvin Bay via the Final Discharge Point (MEL-26), and
- discharge from the Itivia fuel containment facility (MEL-25).

[1] Camp, Mill, Dust suppression

[2] Water obtained along AWAR/Meliadine River

[3] Reclaim water obtained from CP1 or other Contact Water management facilities and used for dust suppression on site

Table 2.3: Summary of the monthly water discharge in 2025

Location	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2025 Total
MEL-14	m^3	0	0	0	0	-	-	-	-	-	-	-	-	0
MEL-26	m^3	0	0	0	0	-	-	-	-	-	-	-	-	0
MEL-25	m^3	0	0	0	0	-	-	-	-	-	-	-	-	0

2.4 SEEPAGE AND RUNOFF FROM THE LANDFILL AND LANDFARM

The 2AM-MEL1631 landfill and landfarm were commissioned in November 2017. No seepage or runoff was observed during the month.

As per the approved Landfill (Stage 4) Berm Raise Design Report and Monitoring station MEL-24 description Modification, water accumulated inside the landfill is pumped towards Pond H13, which is the current location seepage from the landfill flows towards.

2.5 SEWAGE TREATMENT PLANT

Table 2.5 details monthly discharge from the Sewage Treatment Plant (STP), including the treated wastewater discharge to CP1 and sludge removed and disposed of in the WRSF.

Table 2.5: Summary of the monthly disposal/discharge from the STP in 2025

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2025 Total
Wastewater Discharge (m^3)		4,973	4,474	4,930.4	4,876.5		-	-	-	-	-	-	-	19,253.9
Sewage Sludge	Amount (m^3)	12	10	12.40	11.20	-	-	-	-	-	-	-	-	45.60
	Disposal Location	WRSF3	WRSF3	WRSF3	WRSF3	-	-	-	-	-	-	-	-	-

2.6 MONITORING ANALYTICAL DATA

One (1) sample related to the Water Licence was taken during the month. The analytical results are presented in Appendix.

SECTION 3 • MATERIAL MANAGEMENT

3.1 LANDFILL / LANDFARM

Table 3.1 details quarterly Landfill and Landfarm survey results, as well as the amount of material placed in the Landfarm every month.

Table 3.1: Summary of the monthly disposal in the Landfarm and quarterly survey volumes of Landfill and Landfarm

Location	Unit	Q1			Q2			Q3			Q4			2025 Total
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Landfill (Survey)	m^3	33,105			-			-			-			-
Landfarm (Survey)	m^3	849[4]			-			-			-			-
Landfarm[5]	m^3	2	0.8	23.85	17.8	-	-	-	-	-	-	-	-	44.45

[4] From landfarm survey conducted in November 2024. Surveys of the Landfarm are generally not conducted during the winter months, as the presence of snow would not allow a representative survey of the soil quantity.
[5] Amount of contaminated solid material (soil) placed in the Landfarm or lined sorting area.

3.2 ORE, WASTE ROCK STORAGE FACILITY, TAILINGS

Table 3.2 details monthly material management, including processed ore, waste rock, and tailings.

Table 3.2: Summary of the monthly material management in 2025

Material (tonnes)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Cumulative 2025
Processed Ore		158,386	189,690	209,731	196,665		-	-	-	-	-	-	-	754,472
Waste Rock	Removed from open pit mining	382,704	369,748	457,569	528,808	-	-	-	-	-	-	-	-	1,738,829
	Removed from underground mining	99,563	87,430	89,629	80,238	-	-	-	-	-	-	-	-	356,860
	Used as underground dry rockfill	44,117	47,159	56,034	47,094	-	-	-	-	-	-	-	-	194,404
Tailings	Send to TSF	128,762	161,625	176,249	169,507	-	-	-	-	-	-	-	-	636,143
	Used as paste underground backfill	29,624	28,065	33,482	27,158	-	-	-	-	-	-	-	-	118,329

SECTION 4 SPILL MANAGEMENT

4.1 INTERNAL AND REPORTABLE SPILLS

Spills reported internally are listed in the table 4.1 and were managed according to Agnico Eagle's spill contingency plan. Spills were contained and cleaned up, contaminated material was disposed of in an appropriate manner, and the clean-up actions were monitored closely by the Environment Department. Five (5) reportable spills occurred during the month (Refer to the gray shading in Table 4.1).

Table 4.1: Summary of Agnico Eagle's Spill Reports during the month

Date and time of occurrence	Contaminant	Estimated quantity	Exact location of incident	Description of incident	Describe immediate corrective actions
Wednesday, April 02, 2025 5:30:00 PM	Sewage	30 L	Wing 16	30 L of sewage spilled onto the industrial pad outside the Wing 16 lift station. Upon inspection, it was discovered the lift station pump impeller was obstructed by non-compliant material, which led to the pump's failure and the lift station to overflow.	Upon discovering the spill, a vacuum truck and a plumber were dispatched to respond to the spill. The vacuum truck was utilized to empty the contents within the secondary containment. The contaminated material was excavated and transported to Landfarm A in accordance with the Spill Contingency Plan.
Thursday, April 03, 2025 11:30:00 AM	Hydraulic oil	75 L	E&I Parking	After parking the haul truck, the operator notice a spill under the equipment. After investigation, it was discovered that a hydraulic line failed resulting in a 75L spill.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at Landfarm.
Sunday, April 06, 2025 1:00:00 AM	Hydraulic oil	55 L	Tiri01	While operating the dozer, the operator noticed a wet spot on the ground. Upon inspection, he discovered a hydraulic oil leak caused by a broken bolt on the steering pump. The bolt head had snapped off, loosening the clamp and allowing oil to escape from the fitting.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at Landfarm.
Thursday, April 10, 2025 3:30:00 AM	Hydraulic oil	60 L	Burn pad of WRSF3	During operations in the area, a main hydraulic line on the loader failed,	Spill pads were deployed to clean up the spill and disposed of in the appropriate

				resulting in a spill of 60 litres of hydraulic fluid.	bin. Contaminated material was scrapped and disposed of at Landfarm.
Thursday, April 10, 2025 6:30:00 AM	Sewage	38 L	Wing 14	38 L of sewage spilled onto the industrial pad outside the Wing 14 lift station. Upon inspection, it was discovered the lift station pump impeller was obstructed by non-compliant material, which led to the pump's failure and the lift station to overflow.	Upon discovering the spill, a vacuum truck and a plumber were dispatched to respond to the spill. The vacuum truck was utilized to empty the contents within the secondary containment. The contaminated material was excavated and transported to Landfarm A in accordance with the Spill Contingency Plan.
Thursday, April 10, 2025 11:30:00 AM	Engine coolant	40 L	TIR01	While operating the excavator, the operator observed steam emitting from the rear of the machine. Investigation revealed that the cooler fan blades had broken, and debris from the failure severed a coolant hose, resulting in a 40L spill.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of in a hazmat bin.
Friday, April 11, 2025 7:30:00 AM	Sewage	38 L	Wing 13	Approximately 38 L of sewage spilled onto the industrial pad outside the Wing 13 lift station. Upon inspection, it was discovered the lift station pump impeller was obstructed by non-compliant material, which led to the pump's failure and the lift station to overflow.	Upon discovering the spill, a vacuum truck and a plumber were dispatched to respond to the spill. The vacuum truck was utilized to empty the contents within the secondary containment. The contaminated material was excavated and transported to Landfarm A in accordance with the Spill Contingency Plan.
Saturday, April 12, 2025 11:00:00 PM	Diesel fuel	20 L	MSB Shop yard	The underground haul truck was dripping fuel while waiting on the parking lot resulting in a 20L spill.	Contaminated material was scrapped and disposed of in a hazmat bin.
Monday, April 14, 2025 7:00:00 AM	Sewage	750 L	Wing 13	Approximately 750 L of sewage spilled onto the industrial pad outside the Wing 13 lift station. Upon inspection, it was discovered the lift station pump impeller	Upon discovering the spill, a vacuum truck and a plumber were dispatched to respond to the spill. The vacuum truck was utilized to empty the contents

				was obstructed by non-compliant material, which led to the pump's failure and the lift station to overflow.	within the secondary containment. The contaminated material was excavated and transported to Landfarm A in accordance with the Spill Contingency Plan. Remediation will occur in the spring, after snowmelt.
Monday, April 14, 2025 4:00:00 PM	Fuel	30 L	6 million fuel farm	While fueling the fuel truck, the worker noticed that the truck was leaking through the overflow and vent tubes.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at the contaminated snow cell.
Monday, April 14, 2025 7:00:00 AM	Sewage	750 L	Wing 13	Approximately 750 L of sewage spilled onto the industrial pad outside the Wing 13 lift station. Upon inspection, it was discovered the lift station pump impeller was obstructed by non-compliant material, which led to the pump's failure and the lift station to overflow.	Upon discovering the spill, a vacuum truck and a plumber were dispatched to respond to the spill. The vacuum truck was utilized to empty the contents within the secondary containment. The contaminated material was excavated and transported to Landfarm A in accordance with the Spill Contingency Plan. Remediation will occur in the spring, after snowmelt.
Monday, April 14, 2025 4:00:00 PM	Fuel	30 L	6 million fuel farm	While fueling the fuel truck, the worker noticed that the truck was leaking through the overflow and vent tubes.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at the contaminated snow cell.
Saturday, April 19, 2025 7:00:00 PM	Engine coolant	53 L	Pump02	Operator saw fluid on the ground when he backed up with the excavator. Investigation revealed that a coolant hose broke, resulting in a spill of approximately 40 litres.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped.
Sunday, April 20,	Brake fluid	60 L	OP2	While dumping at the crusher station, the haul	Spill pads were deployed to clean up

2025 11:00:00 AM				truck operator heard a loud noise beneath the vehicle. Upon inspection, it was determined that a brake caliper had failed.	the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at Landfarm.
Thursday, April 24, 2025 9:00:00 AM	Sewage	10 L	Dyno plant	Employee was emptying sewage at dyno with water truck, and proceeded to open a valve that shouldn't have been part of the procedure which caused a small spill of sewage.	Shut off valve. Informed employee not to touch anything they are unsure about without learning about it.
Sunday, April 27, 2025 10:30:00 AM	Coolant	9 L	OP2	Haul truck was hauling to the crusher when a coolant line broke causing a 9L spill.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of in a hazmat bin.
Monday, April 28, 2025 1:00:00 PM	Hydraulic oil	22 L	TIR01	A corroded fitting in the Tower Light Truck's transmission system failed, causing a 22L spill.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at Landfarm.
Tuesday, April 29, 2025 2:30:00 AM	Hydraulic oil	3 L	OP2	A hydraulic line broke on an excavator causing a 3L spill.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at Landfarm.

Appendix – Monitoring Analytical Data

MEL-11		4/7/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.30
Turbidity	**NTU**	<0.1
Conductivity	**ms/cm**	0.192
Hardness, as CaCO3	**mg/L**	46.4
Total alkalinity, as CaCO3	**mg/L**	30
Carbonate, as CaCO3	**mg/L**	<0.1
Bicarbonate, as CaCO3	**mg/L**	30
TDS	**mg/L**	75
TDS, calculated	**mg/L**	95
TSS	**mg/L**	<1
Total organic carbon	**mg/L**	4.5
Dissolved organic carbon	**mg/L**	4.8
WQ03- Major Ions		
Chloride	**mg/L**	27
Cyanide	**mg/L**	0.00193
Cyanide (free)	**mg/L**	0.00072
Cyanide (WAD)	**mg/L**	0.0017
Silica	**mg/L**	1.1
Sulfate	**mg/L**	16
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	<0.050
Nitrate (as N)	**mg/L**	0.13
Nitrite (as N)	**mg/L**	<0.010
Total phosphorus	**mg/L**	<0.020
Orthophosphate (P)	**mg/L**	<0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0033
Antimony	**mg/L**	<0.00050
Arsenic	**mg/L**	0.00091
Barium	**mg/L**	0.0149
Beryllium	**mg/L**	<0.00010
Boron	**mg/L**	<0.050
Cadmium	**mg/L**	<0.000010
Chromium	**mg/L**	<0.0010
Copper	**mg/L**	0.00119
Iron	**mg/L**	0.015
Lead	**mg/L**	<0.00020

Lithium	**mg/L**	<0.0020
Manganese	**mg/L**	0.0031
Mercury	**mg/L**	<0.00001
Molybdenum	**mg/L**	<0.0010
Nickel	**mg/L**	0.0011
Selenium	**mg/L**	<0.00010
Silver	**mg/L**	<0.000020
Strontium	**mg/L**	0.0801
Thallium	**mg/L**	<0.000010
Tin	**mg/L**	<0.0050
Titanium	**mg/L**	<0.0050
Uranium	**mg/L**	<0.00010
Vanadium	**mg/L**	<0.0050
Zinc	**mg/L**	0.0065
WQ07- Dissolved Metals		
Aluminum	**mg/L**	<0.0030
Antimony	**mg/L**	<0.00050
Arsenic	**mg/L**	0.00099
Barium	**mg/L**	0.0161
Beryllium	**mg/L**	<0.00010
Boron	**mg/L**	<0.050
Cadmium	**mg/L**	<0.000010
Calcium (Dissolved)	**mg/L**	15.6
Chromium	**mg/L**	<0.0010
Copper	**mg/L**	0.00124
Iron	**mg/L**	0.0083
Lead	**mg/L**	<0.00020
Lithium	**mg/L**	<0.0020
Magnesium (Dissolved)	**mg/L**	2.85
Manganese	**mg/L**	<0.0010
Mercury	**mg/L**	<0.00001
Molybdenum	**mg/L**	<0.0010
Nickel	**mg/L**	0.0011
Potassium (Dissolved)	**mg/L**	1.65
Selenium	**mg/L**	<0.00010
Silver	**mg/L**	<0.000020
Sodium (Dissolved)	**mg/L**	13.8
Strontium	**mg/L**	0.0886
Thallium	**mg/L**	<0.000010
Tin	**mg/L**	<0.0050
Titanium	**mg/L**	<0.0050
Uranium	**mg/L**	<0.00010

Vanadium	**mg/L**	<0.0050
Zinc	**mg/L**	<0.0050
WQ10- Volatile Organics		
Benzene	**mg/L**	<0.000020
Ethylbenzene	**mg/L**	<0.000020
Toluene	**mg/L**	<0.000020
Xylenes	**mg/L**	<0.000040
m,p-Xylenes	**mg/L**	<0.000040
o-Xylene	**mg/L**	<0.000020
F1 (C6-C10)-BTEX	**mg/L**	<0.025
F1 (C6-C10)	**mg/L**	<0.025
F2 (C10-C16)	**mg/L**	<0.090
F3 (C16-C34)	**mg/L**	0.2
F4 (C34-C50)	**mg/L**	<0.2