



**AGNICO EAGLE**  
MELIADINE

**Meliadine Gold Mine  
NWB 2AM-MEL1631  
January 2026 Monthly Report**

**Prepared for:**  
Nunavut Water Board

**Prepared by:**  
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## SECTION 1 • BACKGROUND

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As required under Part I, Item 9 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 January 2026.

## SECTION 2 • WATER MANAGEMENT

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### 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 2026**

Usage	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2026 Total
MEL-11 <sup>1</sup>	m <sup>3</sup>	46,087	-	-	-	-	-	-	-	-	-	-	-	46,087
Dust suppression <sup>2</sup>	m <sup>3</sup>	0	-	-	-	-	-	-	-	-	-	-	-	0
Dust suppression <sup>3</sup>	m <sup>3</sup>	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).

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<sup>1</sup> Camp, Mill, Dust suppression

<sup>2</sup> Water obtained along AWA/Meliadine River

<sup>3</sup> 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 2026**

Location	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2026 Total
MEL-14	m <sup>3</sup>	0	-	-	-	-	-	-	-	-	-	-	-	0
MEL-26	m <sup>3</sup>	0	-	-	-	-	-	-	-	-	-	-	-	0
MEL-25	m <sup>3</sup>	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 2026**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2026 Total
Wastewater Discharge (m <sup>3</sup> )		5,404	-	-	-	-	-	-	-	-	-	-	-	5,404
Sewage Sludge	Amount (m <sup>3</sup> )	8.2	-	-	-	-	-	-	-	-	-	-	-	8.2
	Disposal Location	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

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### 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			2026 Total
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Landfill (Survey)	m <sup>3</sup>	32,832 <sup>4</sup>			-			-			-			-
Landfarm (Survey)	m <sup>3</sup>	704 <sup>5</sup>			-			-			-			-
Landfarm <sup>6</sup>	m <sup>3</sup>	3	-	-	-	-	-	-	-	-	-	-	-	3

<sup>4</sup> From landfill survey conducted in December 2025. Surveys of the Landfill are generally not conducted during the winter months, as the presence of snow would not allow a representative survey of the soil quantity.

<sup>5</sup> From landfarm survey conducted in October 2025. 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.

<sup>6</sup> 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 2026**

Material (tonnes)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Cumulative 2026
Processed Ore		184,299	-	-	-	-	-	-	-	-	-	-	-	184,299
Waste Rock	Removed from open pit mining	110,145	-	-	-	-	-	-	-	-	-	-	-	110,145
	Removed from underground mining	82,316	-	-	-	-	-	-	-	-	-	-	-	82,316
	Used as underground dry rockfill	32,431	-	-	-	-	-	-	-	-	-	-	-	32,431
Tailings	Send to TSF	159,000	-	-	-	-	-	-	-	-	-	-	-	159,000
	Used as paste underground backfill	25,299	-	-	-	-	-	-	-	-	-	-	-	25,299

**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. Also, 8 of the non-reportable spills were reported to the NT/NU Spill Line following guidance received from CIRNAC inspector in late 2024 that all spills should be reported moving forward. Further guidance was received on January 24 (see Stakeholder table below) that spills should be reported to the NT/NU Spill Line in accordance with the thresholds found in the Nunavut Spill Contingency Planning and Reporting Regulations document (refer to the blue shading in Table 4.1). Two (2) 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
Friday, January 02, 2026 2:00:00 PM	Coolant	10L	KCG Parking	A worker observed a small coolant spill in the snow in the KCG parking. An inspection later confirmed that the source was a failed radiator gasket on a parked haul truck.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of in quatrex bag.
Monday, January 05, 2026 10:00:00 AM	Coolant	42L	KCG Parking	42 litres of coolant leaked onto the KCG parking ground due to a loose clamp on a haul truck. The haul truck fleet had been shut down because of blizzard conditions. In the extreme cold, the clamp’s rubber seal contracted, resulting in a slow leak. Because the shutdown was prolonged, the entire coolant tank eventually emptied.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of in quatrex bag.
Thursday, January 08, 2026 9:00:00 AM	Sewage	80L	Wing 2 Lift Station	Approximately 80 L of sewage spilled onto the industrial pad outside the Wing 2 lift station. Upon inspection, it was discovered the lift station pump impeller was obstructed by non-compliant material,	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

				which led to the pump's failure and caused the lift station to overflow.	contaminated material was recovered and transported to Landfarm A in accordance with the Spill Contingency Plan.
Tuesday, January 13, 2026 8:30:00 AM	Hydraulic Oil	18L	Pump02	While rmoving the equipment, the dozer operator observed oil on the ground. Inspection determined that an O-ring flange had failed due to extreme cold, resulting in an estimated 18 L hydraulic oil 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 Landfarm.
Wednesday, January 14, 2026 9:00:00 PM	Hydraulic Oil	5L	OP2	Due to extreme cold, a hydraulic line failed on a loader, resulting in a 5-litre hydraulic oil spill at OP2.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of in quatrex bag.
Thursday, January 15, 2026 10:00:00 AM	Grey Water	60L	Kitchen	During the STP operator's routine inspection, unusual water flow beneath the snow was observed. Further investigation identified a failed Fernco fitting under the kitchen, resulting in an estimated 60-liter greywater spill.	Due to the spill's location, remediation activities are constrained by the confined space and limited access around and under the building.
Saturday, January 17, 2026 9:30:00 AM	Emulsion	850L	Emulsion Pad	850 L of emulsion was spilled at the Portal 1 emulsion pad. While attempting to move a bin of emulsion off a flatbed truck with a telehandler, the bin on the forks got caught on the bin next to it, causing the bin to slide off the forks and flip on its side, spilling most of its contents.e.	The operator immediately notified their supervisor and the acting Environment coordinator to report the spill. Given the freezing temperatures and natural viscosity of the emulsion, the spill was easily contained to an approximate area of 3 m2. Underground personnel hand shoveled the emulsion into quatrex bags, to be later recirculated in the emulsion plant. A loader was then used to scrape up any remaining traces; the contaminated material was collected and

					disposed of in a bore hole of an upcoming blast as per the Spill Contingency Plan.
Thursday, January 29, 2026 9:30:00 AM	Hydraulic Oil	30.00	TSF	A hose on the loader failed due to cold temperatures, causing a 30 L hydraulic oil spill.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was processed in the Process Plant.

## **Appendix – Monitoring Analytical Data**

<b>MEL-11</b>		1/4/2026
<b>Parameter</b>	<b>Unit</b>	
<b>WQ02- Conventional Parameters</b>		
pH	pH units	7.35
Turbidity	NTU	0.9
Conductivity	ms/cm	0.147
Hardness, as CaCO <sub>3</sub>	mg/L	39.4
Total alkalinity, as CaCO <sub>3</sub>	mg/L	26
Carbonate, as CaCO <sub>3</sub>	mg/L	< 1.0
Bicarbonate, as CaCO <sub>3</sub>	mg/L	26
TDS	mg/L	30
TDS, calculated	mg/L	71
TSS	mg/L	< 1
Total organic carbon	mg/L	3.6
Dissolved organic carbon	mg/L	3.7
<b>WQ03- Major Ions</b>		
Chloride	mg/L	18
Cyanide	mg/L	< 0.00050
Cyanide (free)	mg/L	< 0.00050
Cyanide (WAD)	mg/L	< 0.00050
Silica	mg/L	0.49
Sulfate	mg/L	13
<b>WQ04- Nutrients and Chlorophyll a</b>		
Ammonia Nitrogen (as N)	mg/L	0.068
Nitrate (as N)	mg/L	< 0.10
Nitrite (as N)	mg/L	< 0.010
Total Kjeldahl nitrogen	mg/L	0.21
Total phosphorus	mg/L	< 0.020
Orthophosphate (P)	mg/L	< 0.010
<b>WQ06- Total Metals</b>		
Aluminum	mg/L	< 0.0030
Antimony	mg/L	< 0.00050
Arsenic	mg/L	0.00063
Barium	mg/L	0.0118
Beryllium	mg/L	< 0.00010
Boron	mg/L	< 0.050
Cadmium	mg/L	< 0.000010
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00085
Iron	mg/L	< 0.010
Lead	mg/L	< 0.00020
Lithium	mg/L	< 0.0020

Manganese	mg/L	0.0037
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	< 0.0010
Nickel	mg/L	< 0.0010
Selenium	mg/L	< 0.00010
Silver	mg/L	< 0.000020
Strontium	mg/L	0.0643
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
<b>WQ07- Dissolved Metals</b>		
Aluminum	mg/L	< 0.0030
Antimony	mg/L	< 0.00050
Arsenic	mg/L	0.00062
Barium	mg/L	0.0123
Beryllium	mg/L	< 0.00010
Boron	mg/L	< 0.050
Cadmium	mg/L	< 0.000010
Calcium (Dissolved)	mg/L	12.5
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00091
Iron	mg/L	< 0.0050
Lead	mg/L	< 0.00020
Lithium	mg/L	< 0.0020
Magnesium (Dissolved)	mg/L	1.98
Manganese	mg/L	< 0.0010
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	< 0.0010
Nickel	mg/L	< 0.0010
Potassium (Dissolved)	mg/L	1.29
Selenium	mg/L	< 0.00010
Silver	mg/L	< 0.000020
Sodium (Dissolved)	mg/L	8.14
Strontium	mg/L	0.0624
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

<b>WQ10- Volatile Organics</b>		
Benzene	<b>mg/L</b>	< 0.00020
Ethylbenzene	<b>mg/L</b>	< 0.00020
Toluene	<b>mg/L</b>	< 0.00020
Xylenes	<b>mg/L</b>	< 0.00040
m,p-Xylenes	<b>mg/L</b>	< 0.00040
o-Xylene	<b>mg/L</b>	< 0.00020
F1 (C6-C10)-BTEX	<b>mg/L</b>	< 0.025
F1 (C6-C10)	<b>mg/L</b>	< 0.025
F2 (C10-C16)	<b>mg/L</b>	< 0.09
F3 (C16-C34)	<b>mg/L</b>	< 0.2
F4 (C34-C50)	<b>mg/L</b>	< 0.2