



**Meliadine Gold Mine
NWB 2BB-MEL1424
March 2024 Monthly Report**

Prepared for:
Nunavut Water Board

Prepared by:
Agnico Eagle Mines Limited – Meliadine Division

This monthly report is delivered under water license 2BB-MEL1424, PART J, Item 13.

1. The Licensee shall maintain Monitoring Stations at the following locations:

Table 1: Monitoring stations

Monitoring Station	Description	Status
MEL-1	Raw water supply intake at Meliadine Lake	Active (Volume m ³)
MEL-2	Raw water supply intake at Pump, A8 or other Lakes	Active (Volume m ³)
MEL-5	Point of discharge for the Bermed Fuel Containment Facilities	Inactive
MEL-6	Effluent from the Landfarm Treatment Facility prior to release	Inactive
MEL-7	Final Effluent Discharge from the BIODISK treatment system	Inactive
MEL-8	Point of discharge or runoff from the Non-Hazardous Waste landfill	Inactive

2. *The Licensee shall measure and record, in cubic metres, the daily quantities of water utilized for camp, drilling and other purposes from all sources.*

Table 2: Monthly water usage for camp, drilling, and other purposes

	Purpose	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Cumulative 2023
MEL-1 (m ³ /day)	Camp	0.00	0.00	12.43	-	-	-	-	-	-	-	-	-	-
MEL-2 (m ³ /day)	Drilling	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-
Daily Average (m ³ /day)		0.00	0.00	12.43	-	-	-	-	-	-	-	-	-	-
Total (m ³)		0.00	0.00	385	-	-	-	-	-	-	-	-	-	385

3. The Licensee shall measure and record the volume of all soil from all locations entering the Landfarm Treatment Facility.

No material was deposited in the Type B landfarm during the month. Any new contaminated soil generated will be deposited in the landfarm approved in the Type A Water License.

4. The Licensee shall assess and record the concentration of F1 – F4 fractions in petroleum hydrocarbon contaminated soil, according to the CCME Canada-Wide Standard for Petroleum Hydrocarbons (PHC) in Soil that is entering the Land Treatment Unit from all sources and excavations.

No material was deposited in the Type B landfarm during the month. Any new contaminated soil generated will be deposited in the landfarm approved in the Type A Water License.

5. The Licensee shall provide the GPS coordinates (in decimal degrees) of all locations where wastes associated with camp operations and exploration activities are deposited.

No more waste from camp operations and exploration is deposited in locations related to Licence 2BB-MEL1424.

6. Licensee shall sample at Monitoring Program Station MEL-7, monthly during wastewater effluent discharge. Samples shall be analyzed for the parameters listed under Part D Item 11:

pH
Biochemical Oxygen Demand – BOD5
Total Suspended Solids (TSS)
Fecal Coliforms
Oil and Grease (and visual)

The Exploration Camp STP is currently not operational. When the Exploration camp is used to lodge personnel, the sewage is trucked to the Main Camp STP for treatment.

Agnico Eagle will continue to monitor the quality of the effluent whenever the Exploration Camp STP is operational. Since the STP was not in operation during the month, no samples were collected.

7. The Licensee shall, prior to the release of effluent from the Bermed Fuel Containment Facilities at Monitoring Program Station MEL-5 and the Landfarm Treatment Facility at Monitoring Program Station MEL-6 for the purpose of demonstrating compliance, sample for the parameters listed under Part D item 15.

No water was discharged from the Fuel Containment Facilities (Monitoring station MEL-5) nor the Landfarm Treatment Facility (Monitoring Station MEL-6) during the month.

- 8. The Licensee shall obtain representative samples of the water column below any ice where required under part F, Items 5 and 6. Monitoring shall include but not limited to the following:**

Total Suspended Solids

pH

Electrical Conductivity, and

Total trace Metals as determined by a standard ICP Scan (to include at a minimum, the following elements: Al, Sb, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Li, Mn, Mo, Ni, Se, Sn, Sr, Tl, Ti, U, V, Zn), and Trace Arsenic and Mercury.

A water quality sample was collected before the 2024 drilling on ice campaign on Lake A8 on January 22nd, 2024. Results were provided in the NWB 2BB-MEL1424 January 2024 Monthly report.

Water quality samples will also be collected after the 2024 drilling on ice campaign and results will be provided as applicable.

- 9. Modify the monthly monitoring reports, starting April 2016, to include, at a minimum, waste water treatment options; and modifications of the freshet action plan.**

Refer to Section 6 above.