# Meliadine Gold Mine
# NWB 2AM-MEL1631
# May 2026 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 9 of amended Type A Water Licence 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 May 2026.

# SECTION 2 • WATER MANAGEMENT

## 2.1 WATER USAGE

Table 2.1 details monthly water usage approved under Water Licence 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[1] | $m^3$ | 46,087 | 41,721 | 54,999 | 53,024 | 53,994 | - | - | - | - | - | - | - | 249,825 |
| Dust suppression[2] | $m^3$ | 0 | 0 | 0 | 0 | 1 | - | - | - | - | - | - | - | 1 |
| Dust suppression[3] | $m^3$ | 0 | 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 2026**

| Location | Unit | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | 2026 Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MEL-14 | $m^3$ | 0 | 0 | 0 | 0 | 0 | - | - | - | - | - | - | - | 0 |
| MEL-26 | $m^3$ | 0 | 0 | 0 | 0 | 0 | - | - | - | - | - | - | - | 0 |
| MEL-25 | $m^3$ | 0 | 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 Water Licence MEL-24 description, 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 ($m^3$) | | 5,404 | 4,622 | 4,401 | 4,828 | 5,592 | - | - | - | - | - | - | - | 24,847 |
| Sewage Sludge | Amount ($m^3$) | 8.2 | 75.5 | 7.7 | 10 | 8.7 | - | - | - | - | - | - | - | 110.1 |
| | Disposal Location | WRSF3 | WRSF3 | WRSF3 | WRSF3 | WRSF3 | - | - | - | - | - | - | - | N/A |

## 2.6 MONITORING ANALYTICAL DATA

Four (4) samples related to the Water Licence were 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 | | | 2026 Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| Landfill (Survey) | $m^3$ | 32,832[4] | | | 30,652 | | | - | | | - | | | - |
| Landfarm (Survey) | $m^3$ | 704[5] | | | 776 | | | - | | | - | | | - |
| Landfarm[6] | $m^3$ | 3 | 9 | 2.85 | 4.25 | 5.5 | - | - | - | - | - | - | - | 24.60 |

[4] 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.
[5] 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.
[6] 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 | 153,108 | 220,849 | 219,396 | 227,320 | - | - | - | - | - | - | - | 1,004,972 |
| Waste Rock | Removed from open pit mining | 110,145 | 250,637 | 427,834 | 629,818 | 465,110 | - | - | - | - | - | - | - | 1,883,544 |
| | Removed from underground mining | 82,316 | 83,645 | 100,588 | 85,214 | 91,617 | - | - | - | - | - | - | - | 443,380 |
| | Used as underground dry rockfill | 32,431 | 28,224 | 39,417 | 30,834 | 41,170 | - | - | - | - | - | - | - | 172,076 |
| Tailings | Send to TSF | 159,000 | 118,837 | 181,127 | 186,834 | 187,972 | - | - | - | - | - | - | - | 833,770 |
| | Used as paste underground backfill | 25,299 | 34,271 | 39,722 | 32,562 | 39,348 | - | - | - | - | - | - | - | 171,202 |

# 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. Three (3) 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 |
|---|---|---|---|---|---|
| Monday, May 04, 2026 7:30:00 AM | Coolant | 25L | MSB Parking Lot | 25 liters of coolant were released from a tractor-trailer at the MSB bus parking lot due to a failure of the lower radiator hose. | 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. |
| Tuesday, May 05, 2026 4:30:00 PM | Diesel fuel | 60L | Power House | 60 liters of diesel were released due to a gasket failure at a powerplant fuel supply ball valve. | 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 and snow cell. |
| Friday, May 08, 2026 12:30:00 AM | Hydraulic Oil | 180L | Automation pad | A Mine Underground haul truck operator arrived at the automation pad and noticed the truck's hydraulic system was not functioning. The operator identified that a hose had broken underneath the truck, resulting in a spill of approximately 180 L of hydraulic oil at the automation pad. | The Mine UG operator immediately stopped the equipment and commenced cleanup. The operator deployed a soaking berm and soaking material on the spill to contain it. Contaminated material was excavated (1 m3) and brought to the low-grade ore stockpile to be processed in the Mill, since material in this area contains ore. Contaminated spill materials were disposed of in a Quatrex bag and brought at the hazardous material laydown to be shipped south. |

| | | | | | |
|---|---|---|---|---|---|
| Sunday, May 10, 2026 8:00:00 AM | Hydraulic Oil | 25L | Itivia | 25 L of hydraulic oil, likely originating from a loader, was observed at Itivia. | 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 snow cell. |
| Sunday, May 10, 2026 8:00:00 AM | Engine Oil | 3L | Meliadine Lake | A Regional Exploration Geology employee conducting an inspection of previous drill targets on Meliadine Lake identified small puddles of engine oil surrounding two drill sites. The presence of these puddles was revealed as a likely result of recent snowmelt in the area. An estimated total of approximately 3 L of engine oil was identified between the two locations. Although the spill occurred on ice, full recovery of contaminated material ensured that no waterbodies were impacted. | The Regional Exploration Geology employee promptly notified the Environment Department upon discovery of the spill. The Regional Exploration Geology team, in coordination with Orbit Garant, initiated cleanup activities the same day. Due to the incident occurring during freshet conditions, daily site visits were conducted to remove contaminated snow and ice until all impacted material was fully recovered. All contaminated materials and used spill response pads were placed in Quatrex bags and stored at the Regional Exploration Geology core shack for proper handling and disposal. |
| Friday, May 15, 2026 3:53:00 AM | Hydraulic Oil | 7L | WRSF3 | 7 litres of hydraulic oil were released following damage to the steering box of haul truck during a collision between two haul trucks at WRSF3. | 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, May 17, 2026 4:00:00 PM | Hydraulic Oil | 10L | Maintenance Downline | 10 L of hydraulic oil spilled from a manlift when parked at the downline. | 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, May 18, | Gear oil | 5L | East side of the Process Plant | 5 liters of gearbox oil were released from the SAG mill gearbox after | Spill pads were deployed to clean up the spill and disposed |

| | | | | | |
|---|---|---|---|---|---|
| 2026 11:00:00 AM | | | | the oil level sight glass failed inside a seacan at the mill. | of in the appropriate bin. Contaminated material was scrapped and disposed of at Landfarm. |
| Tuesday, May 19, 2026 7:30:00 AM | Hydraulic Oil | 20L | Warehouse Pad2 Row 24 | 20 L of hydraulic oil spilled from a Manitou when a hydraulic failure occurred at the Warehouse Pad 2. | 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, May 19, 2026 9:00:00 PM | Coolant | 10L | TIRI01 | During operation, a coolant hose failed on an excavator resulting in 10L of spilled coolant. | The engine was stopped and the hose was repaired. |
| Thursday, May 21, 2026 7:00:00 AM | Coolant | 3L | Mill Electrical Shop Parking | During the pre-operation check, an unusual noise was heard from the front of the vehicle, followed by a coolant leak from the truck. | Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. |
| Friday, May 22, 2026 10:30:00 AM | Hydraulic Oil | 2L | Tool crib Parking | Worker was walking in parking lot by tool crib and noticed a sheen on some water puddles. | Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. |
| Sunday, May 24, 2026 3:30:00 AM | Hydraulic Oil | 25L | PUMP02 | An unknown object contacted the underside of a haul truck while hauling ore from Pump02 to Ore Pad 2, damaging a section of hose connecting two steel hydraulic pipes on the truck's transmission. Approximately 25L of hydraulic oil drained from the truck's transmission tank. | Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. |
| Monday, May 25, 2026 8:50:00 AM | Saline Water | 210 $m^3$ | CP5 | An Energy and Infrastructure Water Management (E&I WM) employee working behind the Reverse Osmosis plant heard flowing water and identified an uncontrolled release from a failed fusion joint on the Tiriganiaq Open Pit 02 (TIRI 02) to Saline Pond 1 (SP1) line discharging into | Flow to the SP1 pipeline was immediately shut off upon discovery. Between May 25th and 30th, total dissolved solids (TDS) were monitored at both the release point and the CP5 jetty located approximately 60 m from the release point . All results remained below the Water Licence maximum |

| | | | | | |
|---|---|---|---|---|---|
| | | | | Collection Pond 5 (CP5). | authorized concentration of 4,500 mg/L-TDS at the MEL-14 Final-Discharge-Point. To support remediation, approximately 3,700 m3 of water from CP5 was pumped back to SP1 between May 27th and May 29th. |
| Monday, May 25, 2026 2:30:00 PM | Hydraulic Oil | 3L | OP2 | Loader was pushing ore at OP2 when a small hydraulic line broke, resulting in 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. |
| Tuesday, May 26, 2026 8:30:00 PM | Diesel fuel | 50L | 6 Million Fuel Station | Faulty fuel nozzle led to a 50 L diesel spill at the 6 million fuel farm. | 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 | | 5/1/2026 |
|---|---|---|
| **Parameter** | **Unit** | |
| **WQ02- Conventional Parameters** | | |
| pH | **pH units** | 7.41 |
| Dissolved Oxygen | **%** | 142.8 |
| Turbidity | **NTU** | 0.5 |
| Conductivity | **ms/cm** | 0.186 |
| Hardness, as CaCO3 | **mg/L** | 53.0 |
| Total alkalinity, as CaCO3 | **mg/L** | 32 |
| Carbonate, as CaCO3 | **mg/L** | < 1.0 |
| Bicarbonate, as CaCO3 | **mg/L** | 32 |
| TDS | **mg/L** | 110 |
| TDS, calculated | **mg/L** | 93 |
| TSS | **mg/L** | < 1 |
| Total organic carbon | **mg/L** | 4.2 |
| Dissolved organic carbon | **mg/L** | 4.1 |
| **WQ03- Major Ions** | | |
| Chloride | **mg/L** | 24 |
| Cyanide | **mg/L** | < 0.00050 |
| Cyanide (free) | **mg/L** | < 0.00050 |
| Cyanide (WAD) | **mg/L** | < 0.00050 |
| Silica | **mg/L** | 0.58 |
| Sulfate | **mg/L** | 17 |
| **WQ04- Nutrients and Chlorophyll a** | | |
| Ammonia Nitrogen (as N) | **mg/L** | < 0.050 |
| Nitrate (as N) | **mg/L** | < 0.10 |
| Nitrite (as N) | **mg/L** | < 0.010 |
| Total Kjeldahl nitrogen | **mg/L** | 0.26 |
| Total phosphorus | **mg/L** | < 0.020 |
| Orthophosphate (P) | **mg/L** | < 0.010 |
| **WQ06- Total Metals** | | |
| Aluminum | **mg/L** | < 0.0030 |
| Antimony | **mg/L** | < 0.00050 |
| Arsenic | **mg/L** | 0.00083 |
| Barium | **mg/L** | 0.0167 |
| Beryllium | **mg/L** | < 0.00010 |
| Boron | **mg/L** | < 0.050 |
| Cadmium | **mg/L** | < 0.000010 |
| Chromium | **mg/L** | < 0.0010 |
| Copper | **mg/L** | 0.00104 |

| | | |
|---|---|---|
| Iron | **mg/L** | 0.011 |
| Lead | **mg/L** | < 0.00020 |
| Lithium | **mg/L** | < 0.0020 |
| Manganese | **mg/L** | 0.0023 |
| 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** | 0.0846 |
| 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 |
| **WQ07- Dissolved Metals** | | |
| Aluminum | **mg/L** | < 0.0030 |
| Antimony | **mg/L** | < 0.00050 |
| Arsenic | **mg/L** | 0.00071 |
| Barium | **mg/L** | 0.0167 |
| Beryllium | **mg/L** | < 0.00010 |
| Boron | **mg/L** | < 0.050 |
| Cadmium | **mg/L** | < 0.000010 |
| Calcium (Dissolved) | **mg/L** | 17.0 |
| Chromium | **mg/L** | < 0.0010 |
| Copper | **mg/L** | 0.00101 |
| Iron | **mg/L** | < 0.0050 |
| Lead | **mg/L** | < 0.00020 |
| Lithium | **mg/L** | < 0.0020 |
| Magnesium (Dissolved) | **mg/L** | 2.89 |
| Manganese | **mg/L** | < 0.0010 |
| Mercury | **mg/L** | < 0.00001 |
| Molybdenum | **mg/L** | < 0.0010 |
| Nickel | **mg/L** | < 0.0010 |
| Potassium (Dissolved) | **mg/L** | 1.72 |
| Selenium | **mg/L** | < 0.00010 |
| Silver | **mg/L** | < 0.000020 |
| Sodium (Dissolved) | **mg/L** | 11.2 |
| Strontium | **mg/L** | 0.0856 |
| 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** | < 0.00020 |
| Ethylbenzene | **mg/L** | < 0.00020 |
| Toluene | **mg/L** | < 0.00020 |
| Xylenes | **mg/L** | < 0.00040 |
| m,p-Xylenes | **mg/L** | < 0.00040 |
| o-Xylene | **mg/L** | < 0.00020 |
| F1 (C6-C10)-BTEX | **mg/L** | < 0.025 |
| F1 (C6-C10) | **mg/L** | < 0.025 |
| F2 (C10-C16) | **mg/L** | < 0.09 |
| F3 (C16-C34) | **mg/L** | < 0.2 |
| F4 (C34-C50) | **mg/L** | < 0.2 |

| **MEL-25** | | 5/24/2026 |
|---|---|---|
| **Parameter** | **Unit** | |
| **WQ02- Conventional Parameters** | | |
| pH | **pH units** | 7.67 |
| Dissolved Oxygen | **%** | 19.2 |
| TSS | **mg/L** | 4 |
| **WQ04- Nutrients and Chlorophyll a** | | |
| Ammonia Nitrogen (as N) | **mg/L** | 0.081 |
| **WQ05- General Organics** | | |
| Total oil and grease | **mg/L** | 1.2 |
| **WQ06- Total Metals** | | |
| Arsenic | **mg/L** | 0.00346 |
| Copper | **mg/L** | 0.00344 |
| Lead | **mg/L** | 0.00025 |
| Nickel | **mg/L** | 0.0043 |
| **WQ10- Volatile Organics** | | |
| Benzene | **mg/L** | < 0.00020 |
| Ethylbenzene | **mg/L** | < 0.00020 |
| Toluene | **mg/L** | < 0.00020 |
| Xylenes | **mg/L** | < 0.00040 |
| m,p-Xylenes | **mg/L** | < 0.00040 |
| o-Xylene | **mg/L** | < 0.00020 |
| F1 (C6-C10) | **mg/L** | - |
| F2 (C10-C16) | **mg/L** | < 0.09 |

| | | |
|---|---|---|
| F3 (C16-C34) | **mg/L** | < 0.2 |
| F4 (C34-C50) | **mg/L** | < 0.2 |

| **MEL-SR-1** | | 5/21/2026 | 5/22/2026 |
|---|---|---|---|
| **Parameter** | **Unit** | | |
| **WQ02- Conventional Parameters** | | | |
| pH | **pH units** | 7.67 | 7.81 |
| Turbidity | **NTU** | 5.8 | 3.6 |
| Hardness, as CaCO3 | **mg/L** | 84.1 | 72.6 |
| Total alkalinity, as CaCO3 | **mg/L** | 67 | 65 |
| TDS | **mg/L** | 135 | 140 |
| TDS, calculated | **mg/L** | 130 | 110 |
| TSS | **mg/L** | 47 | 15 |
| **WQ03- Major Ions** | | | |
| Chloride | **mg/L** | 24 | 18 |
| Cyanide | **mg/L** | 0.00068 | 0.00116 |
| Fluoride | **mg/L** | < 0.10 | < 0.10 |
| Silica | **mg/L** | 1.1 | 1.1 |
| Sulfate | **mg/L** | 17 | 12 |
| **WQ04- Nutrients and Chlorophyll a** | | | |
| Ammonia Nitrogen (as N) | **mg/L** | 0.74 | 1.0 |
| Nitrate (as N) | **mg/L** | < 0.10 | < 0.10 |
| Nitrite (as N) | **mg/L** | < 0.010 | < 0.010 |
| Total phosphorus | **mg/L** | 0.056 | 0.043 |
| Orthophosphate (P) | **mg/L** | < 0.010 | < 0.010 |
| **WQ05- General Organics** | | | |
| Total oil and grease | **mg/L** | < 0.50 | < 0.50 |
| **WQ06- Total Metals** | | | |
| Aluminum | **mg/L** | 0.921 | 0.306 |
| Arsenic | **mg/L** | 0.00329 | 0.00176 |
| Barium | **mg/L** | 0.0221 | 0.0169 |
| Cadmium | **mg/L** | 0.000018 | 0.000020 |
| Chromium | **mg/L** | 0.0054 | 0.0018 |
| Copper | **mg/L** | 0.00504 | 0.00384 |
| Iron | **mg/L** | 1.71 | 0.627 |
| Lead | **mg/L** | 0.00083 | 0.00032 |
| Manganese | **mg/L** | 0.178 | 0.114 |
| Mercury | **mg/L** | < 0.00001 | < 0.00001 |
| Molybdenum | **mg/L** | < 0.0010 | 0.0010 |
| Nickel | **mg/L** | 0.0055 | 0.0031 |

| | | | |
|---|---|---|---|
| Selenium | **mg/L** | < 0.00010 | < 0.00010 |
| Silver | **mg/L** | < 0.000020 | < 0.000020 |
| Thallium | **mg/L** | 0.000016 | < 0.000010 |
| Titanium | **mg/L** | 0.0290 | 0.0109 |
| Zinc | **mg/L** | 0.0455 | 0.0560 |
| **WQ07- Dissolved Metals** | | | |
| Calcium (Dissolved) | **mg/L** | 24.8 | 22.5 |
| Magnesium (Dissolved) | **mg/L** | 3.68 | 3.15 |
| Potassium (Dissolved) | **mg/L** | 6.59 | 7.46 |
| Sodium (Dissolved) | **mg/L** | 10.4 | 8.57 |