



Meliadine Gold Project
NWB 2AM-MEL1631
August 2018 Monthly Report

Prepared for:

Nunavut Water Board

Prepared by:

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SECTION 1 • BACKGROUND

As required under Part I, Item 10 of 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 August 2018.

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 Agnico's monthly water usage in August 2018

	Monthly Usage (m ³)
Camp (MEL-11)	2,549
Construction – Batch Plant (MEL-26 – A8)	222
Dust suppression	0
Total July	2,771
Year to date 2018	17,559

2.2 DEWATERING ACTIVITIES

No dewatering activities occurred in August 2018.

2.3 CP1

Discharge from CP1 into Meliadine Lake via the Final Discharge Point (MEL-14) commenced on June 21st 2018. The total amount of water discharged in August was 152,757 m³.

No reclaim water was obtained from CP1 and it is not planned in the near future to use reclaimed water.

2.4 SEEPAGE AND RUNOFF FROM THE LANDFILL

The 2AM-MEL1631 landfill and landfarm were commissioned in November 2017. No seepage or runoff was observed in August 2018.

2.5 SEWAGE TREATMENT PLANT

In August 2018, 2,548 m³ of water were discharged into CP1. 15 m³ of sludge was removed during the month.

2.6 CONTAINMENTS

No water was discharged from the Itivia fuel containment facility as per the station Mel-25 in August.

SECTION 3 • MATERIAL MANAGEMENT

3.1 LANDFILL / LANDFARM

The volume of material placed into the landfill is evaluated through periodic surveys. According to the most recent survey, the landfill contained approximately 7,500 m³ of material.

Small amount of contaminated soil and rock were placed into the landfarm in August 2018 (less than 5m³) as a result of minor petroleum products spills

3.2 ORE

Approximately 3,017 tonnes of ore and 1,970 tonnes of marginal ore has been stockpiled in August.

3.3 WASTE ROCK STORAGE FACILITY

In August a total of 49,303 tonnes of rock was mined underground in the process of mine development.

3.4 TAILINGS

No tailings have been stored to date.

SECTION 4 SPILL MANAGEMENT

4.1 INTERNAL AND REPORTABLE SPILLS

All spills reported internally (6), and externally (2- highlighted) listed in the table 4.1 below were managed according to Agnico's spill contingency plan.

Spills were contained and cleaned, contaminated material was disposed in appropriate manner, and the clean-up actions were monitored closely by the Environment Department.

On August 2nd while collecting treated STP effluent, the truck was overfilled and spilled onto the road. No water migrated to Meliadine Lake.

On August 25th the MSB Lift station pipes came uncoupled overnight. Repair were done and STP operators washed the inside of the lift station with chlorine water. Contaminated solids were removed with some assistance from backhoe and shoveled into drums.

These spills were reported as per the obligations under the Nunavut Water Board License 2AM-MEL1631, Part D, item 18 pursuant to subsection 12(3) of the Nunavut Waters and Nunavut Surface Rights Tribunal Act.

Table 4.1: Summary of Agnico's Spill Reports in August 2018

Date and time of occurrence	If material not listed in dropdown or more details, enter here	Estimated quantity (l)	Exact location of incident	Description of incident	Describe immediate corrective actions
2-Aug-18		1,600.00	Near the gen sets at Explo camp. Pumping treated water from STP retention tank into truck.	On August 2, 2018, the water truck operator was collecting the treated STP effluent from the retention tanks at MEL-07 and the truck was overfilled and spilled out onto the road under the water truck. Some water spilled down the bank to the spillway that was previously used for the MEL-07 discharge. No water migration to Meliadine Lake was observed. An investigation is underway to determine the cause of the incident. Upon completion, a follow up report will be issued.	Spill was contained and contaminated soil picked up and disposed of appropriately
4-Aug-18	Diesel	5.00	Industrial Pad	Preparing to refresh my fuel truck from the bulk fuel truck, when my fuel nozzle locked accidentally and sprayed fuel onto ground.	Spill was contained and contaminated soil picked up and disposed of appropriately
5-Aug-18	ANTIFREEZE	5.00	SOUTH OF MSB	LOWER RADIATOR HOSE RUPTURED ON THE TRUCK	SHUT DOWN TRUCK IMMEDIATELY, PLACE SPILL TRAY AND SPILL PADS TO PICK IT UP

6-Aug-18	Diesel	3.00	Camp	After filling the tank with fuel the heat generated by the sun caused the expansion of the fuel and overflow	Spill was contained and contaminated soil picked up and disposed of appropriately
20-Aug-18	Hydraulic Oil	2.00	Other	Hydraulic hose had a small leak; O-ring busted.	Spill was contained and contaminated soil picked up and disposed of appropriately.
24-Aug-18	Transmission oil	15.00	In front of MSB door	Transmission filter casing failed and caused leak, approximately 15 liters on the ground.	pick up oil with dedicated absorbent pads
25-Aug-18	Sewage Water	200.00	MSB LIFT STATION	The MSB Lift station pipes came uncoupled overnight with movement inside the lift station tank and there not being flex connections. This has been repaired before but the same issue happened again today. Bruno Laverdure noticed water around the lift station and discovered the problem.	STP operators washed the inside of the lift station with chlorine water. Contaminated solids were removed with some assistance from backhoe and shoveled into drums.
28-Aug-18	Diesel	2.00	Site Roads	Our task was to straighten out the double wall line that crosses underneath the road. We asked if there was any fuel in the line and got a negative answer so we proceeded to unbolt the flange the line seemed empty since not a drop of fuel came out. When we cut farther up the line we caused a vent and since there was a dip in the pipe the liquid that was trapped in the pipe came out we were ready with buckets and absorbent but it came out a bit too fast and some of it splashed out of the bucket.	Spill was contained and contaminated soil picked up and disposed of appropriately.