



Meliadine Gold Project
NWB 2AM-MEL1631
September, 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 September 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 September 2018

	Monthly Usage (m ³)
Camp (MEL-11)	2,586
Construction – Batch Plant (MEL-26 – A8)	228
Dust suppression	240*
Total July	3,054
Year to date 2018	20,616

*Total of water taken from water pond near the AWAR for Dust Suppression in July, August and September

2.2 DEWATERING ACTIVITIES

In September 2018 lake B8 and B9 were dewatered for a total of 9,833m³ transferred to CP-1 trough H13 and channel 1.

2.3 CP1

Discharge from CP1 into Meliadine Lake via the Final Discharge Point (MEL-14) commenced on June 21st and ended September 3rd 2018. The total amount of water discharged in September was 2,632m³.

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 September 2018.

2.5 SEWAGE TREATMENT PLANT

In September 2018, 2,666m³ of water were discharged into CP1. 22.5 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 September.

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 10,790 m³ of material.

In September 2018, a total of 882m³ of contaminated soil was transfer in the Type A Landfarm as a result of the exploration genset spill cleanup.

3.2 ORE

Approximately 8,273 tonnes of ore and 9,963 tonnes of marginal ore has been stockpiled in September.

3.3 WASTE ROCK STORAGE FACILITY

In September a total of 46,520 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 (2), and externally (1- 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 September 20, 2018 during a site inspection with INAC and ECCC personnel, a spill was observed at three separate fuel tanks (100,000 L tanks) used for treated sewage sludge storage. The storage tanks are located at the old fuel farm used under Licence 2BB-MEL1424, 219 m and 394 m up-gradient (0.91% 2.3%, receptively) from Lake J5 and Lake H20, respectively. Based on the distance, gradients and mine infrastructure located between the spill and the Lakes, migration of the spill material is not anticipated to meet any water bodies.

This spill was reported as per the obligations under the Nunavut Water Board License 2BB-MEL1424, Part H, item 4 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 September 2018

Date and time of occurrence	Material spilled or released	Estimated quantity (l)	Exact location of incident	Description of incident	Describe immediate corrective actions
9/20/2018 11:00	STP sludge	100.00	old fuel farm	On September 20, 2018 during a site inspection, a spill was observed at three separate fuel tanks (100,000 L tanks) used for treated sewage sludge storage.	Inform site services to plan a clean-up.
9/21/2018 22:30	Transmission Oil	2.00	WASTE PAD Portal 1	When Dumping the load of waste at the waste pad (portal 1) a rock fell between the dump box and the hosing. The operator noticed the transmission oil leak.	Spill was contained and contaminated soil picked up and disposed of in the landfarm
9/24/2018 1:00	Engine Oil	1.00	Industrial Pad	There was a minute leak of oil a liter into the generator compartment that leaked. buffers installed (layer) underneath with some rock to absorb the whole and complete recovery	Spill was contained and contaminated soil picked up and disposed of in the landfarm