



Meliadine Gold Project
NWB 2AM-MEL1631
March 2018 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 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 March 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 March 2018

	Monthly Usage (m ³)
Camp (MEL-11)	1,939
Construction – Batch Plant (MEL-26 – A8)	63
Dust suppression	0
Total March	2,002
Year to date 2018	5,237

2.2 DEWATERING ACTIVITIES

No dewatering activities occurred in March 2018.

2.3 CP1

No water was discharged from CP1 into Meliadine Lake via the Final Discharge Point (MEL-14) in March 2018. 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 March 2018 due to frozen conditions.

2.5 SEWAGE TREATMENT PLANT

In March 2018, 2,076 m³ of water were discharged into CP1. No sewage sludge was removed during the month.

2.6 CONTAINMENTS

No water was discharged from any containments pertaining to this license.

SECTION 3 • MATERIAL MANAGEMENT

3.1 LANDFILL / LANDFARM

The volume of material placed into the landfill is evaluated through periodic surveys. The latest survey was undertaken on January 16, 2018; according to it, the landfill contained 5,767 m³ of material.

Approximately 3 m³ of water, contaminated with hydrocarbons, was placed into the landfarm sump in March 2018.

3.2 ORE

Approximately 582 tonnes of ore has been stockpiled in March.

3.3 WASTE ROCK STORAGE FACILITY

In March a total of 64,462 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 (11), listed in the table 4.1 below were managed according to Agnico's spill contingency plan.

No reportable spills took place at Meliadine in March 2018.

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

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

Date	Contaminant	Qty, L	Location	Cause / Description	Corrective actions
3/3/2018	Steering Fluid	6.00	Site Roads	Rupture of the power steering line on the truck, likely caused by extreme cold temperatures	Contaminated snow picked up and disposed of appropriately
3/4/2018	Steering Fluid	1.00	Industrial Pad	Slow drip from power steering hose on the truck, likely caused by extreme cold temperatures.	Contaminated snow picked up and disposed of appropriately
3/6/2018	Engine Oil	3.00	AWAR	Engine failure resulting in oil spill.	Contaminated snow picked up and disposed of appropriately
3/8/2018	Diesel	3.00	Warehouse yard	Diesel leak from the forklift	Spill was contained, and contaminated snow picked up and disposed of appropriately
3/11/2018	Coolant	1.00	Audit & Knight yard	PCV hose froze up and coolant overflowed	Spill was contained, and contaminated snow picked up and disposed of appropriately
3/12/2018	Antifreeze	1.00	Explo Parking lot	Antifreeze leak was discovered under the parked tracked vehicle	Contaminated snow was removed and disposed appropriately, equipment sent for maintenance
3/13/2018	Grey Water	40.00	Camp	Hose from water container was left in place after membrane cleaning and sampling, causing grey water spill	Spill was contained and contaminated soil picked up and disposed of appropriately
3/14/2018	Hydraulic Oil	7.00	Industrial Pad	Ruptured hydraulic oil line on telehandler	Spill was contained and contaminated soil picked up and disposed of appropriately
3/19/2018	Hydraulic Oil	15.00	Other	Ruptured hose on the scissor deck platform	
3/26/2018	Torqueless (drilling fluid)	10.00	Drill SH:84	Torqueless drilling fluid was inadvertently mixed with drill cuttings underneath the drill	Contaminated material has been cleaned with a vacuum.
3/31/2018	Steering Fluid	0.01	Explo Camp parking lot	Steering fluid leak was discovered under the parked vehicle	Contaminated snow was removed and disposed appropriately, equipment sent for maintenance