



MELIADINE DIVISION

Monitoring Program Summary Report

September 2017

Type A Water License 2AM-MEL1631

Table of Contents

SECTION 1 • BACKGROUND.....	3
SECTION 2 • WATER MANAGEMENT	4
2.1 WATER USAGE	4
2.2 DEWATERING ACTIVITIES	4
2.3 CP1	4
2.4 SEEPAGE AND RUNOFF FROM THE LANDFILL.....	4
2.5 SEWAGE TREATMENT PLANT	4
2.6 CONTAINMENTS.....	4
SECTION 3 • MATERIAL MANAGEMENT	5
3.1 LANDFILL / LANDFARM	5
3.2 ORE	5
3.3 WASTE ROCK STORAGE FACILITY.....	5
3.4 TAILINGS	5
SECTION 4 • SPILL MANAGEMENT	6

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 for the month.

In addition, a summary of spills/actions for the month is reported.

SECTION 2 • WATER MANAGEMENT

2.1 WATER USAGE

Table 1 details monthly water usage approved under Water License 2AM-MEL1631:

Table 2.1: Summary of Agnico's monthly water usage

MEL-11	Monthly Usage (m ³)
Camp	2,008
MEL-26 (A8)	
Construction – Batch Plant	250
Dust suppression	0
Total September	2,258
Total 2017	10,690

2.2 DEWATERING ACTIVITIES

No dewatering activities occurred in September 2017.

2.3 CP1

No water was discharged from CP1 into Meliadine Lake via the Final Discharge Point (MEL-14) in September 2017. No reclaim water was obtained from CP1 and it is not planned in the near future to use reclaim water.

2.4 SEEPAGE AND RUNOFF FROM THE LANDFILL

The 2AM-MEL1631 landfill was not in operation in September 2017, therefore no seepage or runoff was observed.

2.5 SEWAGE TREATMENT PLANT

During the month of September, 2,002 m³ of water were discharged into CP1. The total in 2017 is 8,078 m³. The total amount of sewage sludge disposed of in September is 95 kg.

2.6 CONTAINMENTS

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

SECTION 3 • MATERIAL MANAGEMENT

3.1 LANDFILL / LANDFARM

The Landfill is currently not in operation, so no material was placed in it.

The Landfarm is currently not in operation, so no material was placed in it.

3.2 ORE

No ore has been stockpiled in September.

3.3 WASTE ROCK STORAGE FACILITY

In the month of September, a total of 14,527 m³ of rock were mined underground for ramp advancement and used for construction purposes (e.g. road, dikes, etc).

3.4 TAILINGS

No tailings have been stored to date.

SECTION 4 • SPILL MANAGEMENT

4.1 INTERNAL AND REPORTABLE SPILLS

All spills reported internally (8) and to regulators (2 – highlighted in bold in the table 4.1 below) were managed appropriately on site 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.

Following Table 4.1 presents the internal reported spills for the Meliadine Project.

Table 4.1: Summary of Agnico's Internal Spill Reports

Date	Substance	Qty, L	Location	Cause	Clean-up measures
9/1/2017	Jet-A	50	JET-A Pump Shack	Broken seal on the fuel pump	Spilled liquid partially recovered, spill contained, contaminated gravel picked up and disposed of in appropriate manner.
9/3/2017	Diesel	12	Fuel farm	Fuel valve malfunction	Spill was contained and contaminated soil picked up and disposed of in appropriate manner.
9/9/2017	Hydraulic Oil	3	Quarry	leak from hydraulic oil container	Spill was contained and contaminated soil picked up and disposed of in appropriate manner.
9/11/2017	Hydraulic Oil	2	Itivia Quarry	Broken hose	Spill was contained and contaminated soil picked up and disposed of in appropriate manner.
9/12/2017	Fuel	0.5	Arctic Corridor	Tank overflow after filling	Spill was contained and contaminated soil picked up and disposed of in appropriate manner.
9/14/2017	Hydraulic Oil	4	Itivia Quarry	Broken valve	Spill was contained and contaminated soil picked up and disposed of in appropriate manner.
9/22/2017	Engine Oil	150	Warehouse Laydown	Puncture of the container during offloading, resulting in spill of ~150 L of engine oil. Spill reported to GN	Spill was contained and contaminated soil picked up and disposed of in appropriate manner.
9/25/2017	Fecal Coliforms	-	Camp	On September 25th 2017, a sample from MEL-07 (STP effluent) was collected and sent for analysis. The results were received on September 29th 2017 and the fecal coliforms were measured at 4200 CFU/100 mL, which exceeds the permitted discharge limit of 1000 CFU/100 mL set forth in the Water License 2BB-MEL1424. Spill reported to GN	Not applicable

Type A Water License 2AM-MEL1631
Monitoring Program Summary Report

9/29/2017	Antifreeze	3	AWAR	Cooling system damage	Spill was contained and contaminated soil picked up and disposed of in appropriate manner.
9/30/2017	Hydraulic Oil	4	MSB pad	Broken hose	