



MELIADINE DIVISION

Monitoring Program Summary Report

July 2017

Type A Water License 2AM-MEL1631

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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 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. No water was obtained along the road or Meliadine River for dust suppression activities.

MEL-11	Monthly Usage (m ³)
Camp	1,781
MEL-26 (A8)	
Construction – Batch Plant	408
Total July	2,189
Total 2017	5,760

2.2 DEWATERING ACTIVITIES

No dewatering activities occurred in July 2017.

2.3 CP1

No water was discharged from CP1 into Meliadine Lake via the Final Discharge Point (MEL-14) in July 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 is currently not in operation, therefore no seepage or runoff was observed.

2.5 SEWAGE TREATMENT PLANT

During the month of July, 1,571 m³ of water were discharged into CP1. The total in 2017 is 3,927 m³. The total amount of sewage sludge disposed of in July is 20 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 piled or processed.

3.3 WASTE ROCK STORAGE FACILITY

In the month of July, a total of 33,424 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 (6) and to regulators (2 – in bold in the table below) were managed appropriately on site according to Agnico's spill contingency plan. Spills were contained and cleaned, contaminated material was disposed to the appropriate area 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 AEM Internal Spill Reports

Date and Time	Substance	Qty, L	Location	Cause of the spill	Clean-up measures
7/7/2017	Diesel	1	Industrial Pad	Broken fuel line	Spill was contained and contaminated soil picked up and disposed of appropriately
7/15/2017	Hydraulic Oil	50	Portal	Broken hydraulic line	Contaminated soil picked up and disposed of appropriately
7/16/2017	Diesel	0.5	Industrial Pad	Broken fuel drain valve.	Contaminated soil picked up and disposed of appropriately
7/16/2017	Hydraulic Oil	4.5	Camp	Improper maintenance of the equipment	Contaminated soil picked up and disposed of appropriately
7/24/2017	Fecal Coliforms	2,600	Camp	On July 24th 2017, a sample from MEL-07 (STP effluent) was collected and sent for analysis. The results were received on August 1st 2017 and the fecal coliforms were measured at 2600 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
7/25/2017	Hydraulic oil, diesel fuel	~150, ~100	Old camp	Roll-over of the heavy equipment resulting in spill of ~150 L of hydraulic oil and ~100 L of diesel fuel, contaminating approximately 25 m²; spill reported to relevant authorities.	Contaminated soil picked up and disposed of appropriately
7/26/2017	Hydraulic Oil	5	Itivia Pad #1	Broken hydraulic hose	Contaminated soil picked up and disposed of appropriately
7/26/2017	Diesel fuel	5	Dome 1	Malfunctioning refueling equipment	Contaminated soil picked up and disposed of appropriately