



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

**Prepared for:**

Nunavut Water Board

**Prepared by:**

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## SECTION 1 • BACKGROUND

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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 May 2018.

## SECTION 2 • WATER MANAGEMENT

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### 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 May 2018**

	Monthly Usage (m <sup>3</sup> )
Camp (MEL-11)	2,403
Construction – Batch Plant (MEL-26 – A8)	6
Dust suppression	0
Total May	2,409
Year to date 2018	9,518

### 2.2 DEWATERING ACTIVITIES

No dewatering activities occurred in May 2018.

### 2.3 CP1

No water was discharged from CP1 into Meliadine Lake via the Final Discharge Point (MEL-14) in May 2018, the discharge is expected to commence in June 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 May 2018 due to frozen conditions.

### 2.5 SEWAGE TREATMENT PLANT

In May 2018, 2,390 m<sup>3</sup> 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**

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### **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 m<sup>3</sup> of material.

Approximately 1,300 m<sup>3</sup> of contaminated soil and rock and 420 m<sup>3</sup> of contaminated water and snow were placed into the landfarm in May 2018 as a result of the Fuel Farm clean-up operation.

### **3.2 ORE**

Approximately 4,229 tonnes of ore and 2,802 tonnes of marginal ore has been stockpiled in May.

### **3.3 WASTE ROCK STORAGE FACILITY**

In May a total of 60,386 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 (10), 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.

While conducting a routine inspection of the Itivia construction site on May 27th, turbid surface run-off water was observed crossing over a roadway and through a culvert into Melvin Bay.

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., samples were collected for laboratory analysis to assess the TSS concentration and other water quality parameters. The laboratory results were received on June 15th and showed that TSS concentrations exceeded those outlined in the Type A water license for discharge/release into a water body.

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

Date	Contaminant	Qty, L	Location	Cause / Description	Corrective actions
5-May-18	Differential gearcase oil	3	Batch plant	Leak caused by low temperatures	Spill was contained and contaminated ice and snow picked up and disposed of in the landfarm
5-May-18	Hydraulic Oil	1	Dion Parking lot	With temperature warming up hydraulic oil hoses leaked when defrosting.	Spill was contained and contaminated soil picked up and disposed of in the landfarm
6-May-18	Hydraulic Oil	10	South Side of A&K Dome	Over the winter machines parked in the yard leaked a minimal amount of oil; it was not noticed at the time as the area was covered in snow	Spill was contained and contaminated ice picked up and disposed of in the landfarm
12-May-18	Diesel	10	DCP1 Road Side	Fuel tank leak on truck	Spill was contained and contaminated soil picked up and disposed of in the landfarm
20-May-18	Other - unknown oil type	30	Maintenance Shop	When stored sea containers were removed, it exposed the oil contamination on the snow.	Spill was contained and contaminated soil picked up and disposed of in the landfarm
22-May-18	Diesel	5	Itivia Area	Leak from the fuel tank	Spill was contained and contaminated soil picked up and disposed of in the landfarm
22-May-18	Hydraulic Oil	1	Orbit Yard - Explo Camp	Loader operator backed up over the snowmobile and crashed the oil tank.	Spill was contained and contaminated soil picked up and disposed of in the landfarm
27-May-18	Fuel	5	Surface Drill 2	Fuel hose leaking under generator	Spill was contained and contaminated soil/ tundra/ snow picked up and disposed of in the landfarm
27-May-18	Turbid Water	n/a	Itivia Construction	Turbid water from freshet snowmelt	Samples collected and sent to the laboratory for analysis. Turbid water diluted with seawater in Melvin Bay.
28-May-18	Waste Oil	60	In front of the MS building	Leak from the damaged tote of used oil	Spill was contained and contaminated soil picked up and disposed of in the landfarm
30-May-18	Hydraulic Oil	30	Near the Portal 1 entrance	Ruptured hydraulic hose	Spill was contained and contaminated soil picked up and disposed of in the landfarm