



Meliadine Gold Project
NWB 2AM-MEL1631
December, 2018 Monthly Report

Prepared for:

Nunavut Water Board

Prepared by:

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Table of Contents

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

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 December 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 December 2018

	Monthly Usage (m ³)
Camp (MEL-11)	2,691
Construction – Batch Plant (MEL-26 – A8)	0
Dust suppression	0
Total December	2,691
Year to date 2018	29,259

2.2 DEWATERING ACTIVITIES

In December 2018 no dewatering activity occurred

2.3 CP1

Discharge from CP1 into Meliadine Lake via the Final Discharge Point (MEL-14) ended September 3rd 2018.

2.4 SEEPAGE AND RUNOFF FROM THE LANDFILL AND LANDFARM

The 2AM-MEL1631 landfill and landfarm were commissioned in November 2017. No seepage or runoff was observed in December 2018.

2.5 SEWAGE TREATMENT PLANT

In December 2018, 2,512m³ of treated wastewater was discharged into CP1. 15m³ of sludge was removed during the month. The sludge is temporarily stored in totes onsite and will either be disposed of in the spring/summer in the Tailings Storage Facility as approved, utilized as nutrient in the site landfarm or shipped to the south with Agnico Eagle's hazmat. Most likely it will be a combination of the three.

2.6 CONTAINMENTS

No water was discharged from the Itivia fuel containment facility (Station Mel-25) in December

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 11,635 m³ of material.

In December 2018, about 1m³ of contaminated soil was transferred to the Type A Landfarm as a result of minor spills cleanup.

3.2 ORE

Approximately 20,080 tonnes of ore and 4,633 tonnes of marginal ore was stockpiled in December.

3.3 WASTE ROCK STORAGE FACILITY

In December, a total of 64,510 tonnes of rock was removed in the mine development process. All of this material was used in construction on site and mill commissioning.

3.4 TAILINGS

The site is not in operation at this time but construction of the tailing storage facility (TSF) is near completion. With the commissioning of the Mill ongoing, we are preparing the site to accept dry stacked tailings in Q1 2019.

SECTION 4 SPILL MANAGEMENT

4.1 INTERNAL AND REPORTABLE SPILLS

All spills reported internally (8), 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 up, contaminated material was disposed of in an appropriate manner, and the clean-up actions were monitored closely by the Environment Department.

On December 11th, due to failure of an expansion joint on the boiler recirculation system, approximately 200L of water with corrosion inhibitor (Drewgard 4109) spilled to ground. The water froze and approximately 8m³ of snow mixed with spilled material was taken to P3, a containment pond with the sites managed water system. No water body was impacted. The nearest body of water is >300m away. The follow up report was sent January 1st.

The spill was reported as per the obligations under the Nunavut Water Board License 2AM-MEL1631 Water Licence, part H, item 8 and the Government of Nunavut's, Environmental Protection Act, paragraph 5.1(a).

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

Date and time of occurrence	If material not listed in dropdown or more details, enter here	Estimated quantity (l)	Exact location of incident	Description of incident	Describe immediate corrective actions
12/6/2018 12:00	0w/40	12.00	M182506	Hydraulic Cooler cracked while startup of drill under extreme cold weather.	Absorbent pads were put down and contaminated snow picked up
12/7/2018 17:00	0W/40	10.00	M182506	Hydraulic hose connection failed	Absorbent pads were put down and contaminated snow picked up
12/7/2018 21:00	Hydraulic oil	70.00	Inside CP3	Haul truck was backing down the ramp and a hydraulic hose broke by itself.	stop the truck, use spill kit to contain the spill. contaminated soil picked up and disposed of in the landfarm

Date and time of occurrence	If material not listed in dropdown or more details, enter here	Estimated quantity (l)	Exact location of incident	Description of incident	Describe immediate corrective actions
12/8/2018 1:00	Diesel Fuel	60.00	Gas boy fuel station	the fuel truck operator was fueling up the fuel tank for his truck at the gas boy fueling station. After the fuel tank was full, the wiggins system turned off as expected but fuel came out of the overflow. 60 L of fuel was spilled. The operator cleaned up the spill immediately and called the supervisor right away	
12/9/2018 8:30	Latex corrosion inhibitor	2.00	Construction Reefer	Item was placed at the back of the truck. While vehicle was pulling away, the tailgate was opened and the item fell down. It hit the ground and split.	Contaminated snow was picked up and placed into a drum. In the future, make sure that tailgate is always latched
12/11/2018 14:00	Water, Drewgard 4109	200.00	Under Arctic corridor (MSB-PP)	At approx. 13:15, we received a call of water coming into the maintenance shop. The water was coming from the heat recovery system, an expansion joint split in the arctic corridor between the MSB and the power plant. The isolation valves were closed as quick as possible. Once the leak was contained, the cleanup was done immediately with the direction of the environment team. 8M3 was removed from the maintenance shop sumps, and 200L mixed with snow was removed from under the arctic corridor.	removed water from maintenance shop sumps (8M3) and put in P3 as advised by the environment team

Date and time of occurrence	If material not listed in dropdown or more details, enter here	Estimated quantity (l)	Exact location of incident	Description of incident	Describe immediate corrective actions
12/15/2018 1:00	Diesel	40.00	Vent Raise	While refueling a frost fighter operator was checking area for waste. Auto shut off on fuel nozzle froze so fuel continued to flow out of the frost fighter onto the ground. Once the operator noticed the gun was still on he immediately proceeded to shut it off. he then contacted supervisor immediately.	Contaminated snow picked up and disposed of adequately
12/28/2018 13:00	Waste Oil	5.00	Explo Laydown	Technician noticed a stacked sea-can leaking oil onto the snow. After bringing the can down and opening it, it was obvious that the sea-can was packed poorly, leading to a waste oil totes being crushed and cracking open.	Spill was contained and contaminated soil picked up and disposed of in the landfarm
12/31/2018 17:00	Hydraulic oil	20.00	Batch Plant	Loose hydraulic hose	Spill was contained and contaminated soil picked up and disposed of in the landfarm