



MELIADINE DIVISION

Monitoring Program Summary Report

October 2016

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

No water was used under this License for:

- a) MEL-01
- b) Water for Dust Suppression

2.2 DEWATERING ACTIVITIES

Dewatering of pond H17 started on August 21 and continued until October 1st. Water was discharged into Meliadine Lake via a diffuser. A total of 4,050 m³ was pumped to Meliadine Lake during the month of October. Total year to date is 177,376 m³.

2.3 CP1

No water has been retained or transferred from CP1.

2.4 SEEPAGE AND RUNOFF FROM THE LANDFILL

The landfill is currently not in operation therefore no seepage or runoff was observed.

2.5 SEWAGE TREATMENT PLANT

The sewage treatment plant under this license is not in use yet.

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 October, no waste rock was placed in the waste rock storage facility. A total of 12,084 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

In the month of October, there was 1 (one) reportable spill which occurred. Table 4.1 depicts the internal reported spills for the Meliadine Project.

Table 4.1: Summary of AEM Internal Spill Reports

Date of Spill	Hazardous Material (Fuel, Oil, etc.)	Quantity (L)	Location	Cause of spill	Clean-up action taken
10/1/2016	Petroleum Product	5	Construction Dome	Unreported spill	Spill was cleaned as best as possible upon notification.
10/3/2016	Diesel	1188	Fuel farm - Front of Tank 17	Overfill during re-fuelling operations	An excavator, a rock truck and spill kit have been used to contain and clean the spilled diesel. A trench has been dug South of the road to intercept any migrating fluid. Any excavated material that is contaminated was stored at the Meliadine Type B licence landfarm. On October 8, the bypass road was completed to continue spill cleanup.
10/6/2016	Oil	10	Pad 1	Raise bore machine leaking.	Spill was contained using absorbent pads. The contaminated soil was appropriately disposed of.
10/9/2016	Hydraulic Oil	12	Transfer pad at mine site	Hydraulic hose broke	Absorbent matting placed on spill area, hydraulic line repaired
10/12/2016	Hydraulic Oil	10	Unknown	Leaking truck.	Spill was contained using absorbent pads. The contaminated soil was appropriately disposed of.
10/17/2016	Gasoline	0.1	Road near camp gatehouse	Leaking drip tray on pick-up.	Spill was contained using absorbent pads. The contaminated soil/snow was appropriately disposed of.
10/18/2016	Diesel	80	Tank #3 camp gen set	Overfill during re-fuelling operations	Spill was contained using absorbent pads. A portion of the contaminated soil was picked up and disposed of. The remainder portion is under the tank and will be cleaned up when removing tanks.
10/19/2016	Hydraulic oil	1	Near construction office	Leaking fuel tank.	Operator placed spill containment and notified supervisor. Spill was contained and cleaned up and disposed of at the contaminated soil location.
10/19/2016	Diesel	20	Crusher pad - Esker	Leaking fitting under loader.	Spill was contained using absorbent pads. The contaminated soil/snow was appropriately disposed of.
10/19/2016	Petroleum Product	1	Camp Gen Set	Unreported spill.	Spill was contained using absorbent pads. The contaminated soil/snow was appropriately disposed of.
10/22/2016	Petroleum Product	2	Nuna Dome area	Spill during maintenance operations.	Spill was contained using absorbent pads. The contaminated soil/snow was appropriately disposed of.
10/27/2016	Petroleum Product	5	Construction Dome	Unreported spill	Spill was cleaned as best as possible upon notification.