



MELIADINE DIVISION

Monitoring Program Summary Report

August 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 for the remainder of the month. Water was discharged into Meliadine Lake via a diffuser. A total of 44,527 m³ was pumped to Meliadine Lake during the month of August. The estimated water volume to be dewatered is 120,000 m³. Dewatering activities at H17 will continue in September.

Samples were collected as per Water Licence 2AM-MEL1631 and MMER Regulations. No exceedances were recorded.

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 August, 7260 m³ of waste rock was placed in the waste rock storage facility.

All rock came from ramp advancement.

3.4 TAILINGS

No tailings have been stored to date.

SECTION 4 • SPILL MANAGEMENT

In the month of August there was 0 reportable spills 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	Contractor Involved	Hazardous Material (Fuel, Oil, etc.)	Quantity (L)	Location	Cause of spill	Clean-up action taken
8/2/2016	CMAC	Petroleum Product	3	Portal transfer Pad	Leaking transmission	Spill was contained using absorbent pads. The contaminated soil was appropriately disposed of.
8/2/2016	Nuna	Oil	5	TWTP Temp Road	Leaking oil from wheel seal	Spill was cleaned using absorbent pads.
8/5/2016	CMAC	Oil	2	Front of Dome 3	Oil leak	Spill was contained using absorbent pads. The contaminated soil was appropriately disposed of.
8/7/2016	CMAC	Oil	4	Front of Dome 3, near Fraco Sea Can	Hydraulic pump leaking	Spill was contained using absorbent pads. The contaminated soil was appropriately disposed of.
8/9/2016	M&T	fuel	8	Front of Tanks 11 to 14	Oil leak	Spill was contained using absorbent pads. The contaminated soil was appropriately disposed of.
8/11/2016	C-Mac	hydraulic oil	25	Front of Dome 3	Brake/ steer pump failure causing leak	Spill was cleaned using absorbent pads.
8/14/2016	CMAC	Oil	19	Portal entrance	Broken break hose	Spill was contained using absorbent pads. The contaminated soil was appropriately disposed of.
8/23/2016	CMAC	Oil	3	Surface - Front of Dome 3	Steering cylinder leaking	Spill was contained using absorbent pads. The contaminated soil was appropriately disposed of.
8/24/2016	CMAC	Petroleum Product	5	Surface parking Dome 3	Hose leaking	Spill was contained using absorbent pads. The contaminated soil was appropriately disposed of.
8/28/2016	MTKSL	Engine Oil	10	Roadway to B6 Pit	A rock made contact with the oil pan of the fuel-lube truck causing a leak	Spill was contained using absorbent pads. The contaminated soil was appropriately disposed of.