



MELIADINE DIVISION

Monitoring Program Summary Report

January 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

No water was used under this License from MEL-01 or for dust suppression.

2.2 DEWATERING ACTIVITIES

No dewatering activities occurred in January.

2.3 CP1

No water has been retained or transferred from CP1 as dike D-CP1 is being built.

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. Construction is ongoing.

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 January, no waste rock was placed in the waste rock storage facility. A total of 12,678 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 January, there was no 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
1/3/2017	Anti-freeze	1	539200 / 6989870	Antifreeze leaked outside spill tray under truck parked for holiday season.	Contaminated snow was collected and placed in plastic bags to be disposed of in the Hazmat sea can. Saturated pads were also collected, and new pads were placed. Trays will be monitored frequently.
1/6/2017	Anti-freeze	1	539200 / 6989870	Antifreeze leaked outside spill tray under truck parked for holiday season.	Contaminated snow was collected and placed in plastic bags to be disposed of in the Hazmat sea can. Saturated pads were also collected, and new pads were placed. Trays will be monitored frequently.
1/6/2017	Anti-freeze	1	539200 / 6989870	Antifreeze leaked outside spill tray under truck parked for holiday season.	Contaminated snow was collected and placed in plastic bags to be disposed of in the Hazmat sea can. Saturated pads were also collected, and new pads were placed. Trays will be monitored frequently.
1/6/2017	Anti-freeze	1	539200 / 6989870	Antifreeze leaked outside spill tray under truck parked for holiday season.	Contaminated snow was collected and placed in plastic bags to be disposed of in the Hazmat sea can. Saturated pads were also collected, and new pads were placed. Trays will be monitored frequently.
1/7/2017	Anti-freeze	1	539200 / 6989870	Antifreeze leaked outside spill tray under truck parked for holiday season.	Contaminated snow was collected and placed in plastic bags to be disposed of in the Hazmat sea can. Saturated pads were also collected, and new pads were placed. Trays will be monitored frequently.
1/7/2017	Petroleum product	5	Camp	Power steering fluid leak due to hose line ruptured	Contaminated snow picked up and disposed of appropriately
1/8/2017	Antifreeze	1	Portal	5362 Haul has had a known slow antifreeze leak due to cold weather and inactivity. Trays and pads were placed to contain this leak. It was found on Jan 9th that an additional hose on the truck had also started leaking antifreeze for similar reasons.	Contaminated snow picked up and disposed of appropriately
1/8/2017	Antifreeze	1	Portal	Because of cold weather and long term inactivity, W045 welder had a slow leak of antifreeze results.	Contaminated soil picked up and disposed of appropriately
1/10/2017	Hydraulic Oil	40	Industrial Pad	When starting the man lift at the batch plant, the operator went to get tools and when he returned the hydraulic pump was leaking	Contaminated snow picked up and disposed of adequately
1/10/2017	Hydraulic Fluid	1	Batch Plant	Usual check up on loader and hydraulic hose was loose and	Contaminated snow picked up and disposed of adequately

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				leaked.	
1/10/2017	Petroleum product	0.15	Portal	After Holiday break, the fuel truck had snow and ice inside the control box. A heater was put on this area to thaw the control box, and knowing that this may cause some dirty water to hit the ground, maintenance crews placed spill containment under the box. While the majority of the dirty water was contained, a few drops did hit the ground.	Contaminated snow picked up and disposed of appropriately
1/12/2017	Cement bag	10	Industrial Pad	Portland cement bag fell off of zoom boom during transport and broke open on the road way	Contaminated snow picked up and disposed of adequately
1/12/2017	Hydraulic Oil	88	Portal	The rock truck was dumping its load at the transfer pad, but the box wouldn't lift after two attempts, he found oil leaking from the cylinder	Spill was contained and contaminated soil picked up and disposed of appropriately
1/13/2017	Hydraulic Oil	1	Industrial Pad	When starting the loader the quick attach hose leaked.	Contaminated snow picked up and disposed of adequately.
1/14/2017	Hydraulic Oil	2	Industrial Pad	Differential leaking by the bleeder	Contaminated snow picked up and disposed of adequately
1/20/2017	Petroleum product	15	Tank no.3	While preparing to fill up tank 3 from the truck, the nozzle was secured to the tank cover. However, when turning the fuel pump, the nozzle jerked out of the tank and spilled fuel on the side of the tank. The fuel accumulated under the tank.	Contaminated snow picked up and disposed of adequately
1/29/2017	Diesel	2	Portal	Small leak under passenger side of fuel tank. Potentially due to moisture freezing in the fuel line/fitting causing a small crack.	Contaminated snow picked up and disposed of adequately
1/30/2017	Antifreeze	1	Industrial Pad	Antifreeze leaking from the engine compartment on the haul truck	Contaminated snow picked up and disposed of adequately