



MELIADINE DIVISION

Monitoring Program Summary Report

December 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 from MEL-01 or for dust suppression.

2.2 DEWATERING ACTIVITIES

No dewatering activities occurred in December.

2.3 CP1

No water has been retained or transferred from CP1 as 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. In accordance with Part F Item 9, the *Operation and Maintenance Manual for the Sewage Treatment Plant* was submitted to the NWB on December 15, 2016, which is at least 90 days prior to construction/installation of facilities. Agnico Eagle is awaiting comments from regulators.

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 December, no waste rock was placed in the waste rock storage facility. A total of 11,852 m³ of rock were mined underground for ramp advancement and used for construction purposes (e.g. road, dikes, etc). The total for 2016 is 112,123 m³.

3.4 TAILINGS

No tailings have been stored to date.

SECTION 4 • SPILL MANAGEMENT

In the month of December, 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
12/1/2016	Diesel	5	Batch Plant	Overfill of dome 2 fuel tank	Spill was contained and contaminated snow picked up and disposed of in the landfarm
12/3/2016	Hydraulic Oil	1	Portal	Broken hydraulic hose	Contaminated snow picked up and disposed of appropriately
12/5/2016	Fuel	4	Industrial Pad	Fuel leak under truck	Contaminated snow and soil picked up and disposed of adequately
12/5/2016	Hydraulic Oil	4	Other	Fuel leak under truck	Spill was contained and contaminated snow picked up and disposed of appropriately
12/5/2016	Hydraulic Oil	3	Industrial Pad	Loosened hydraulic hose	Spill was contained and contaminated snow picked up and disposed of appropriately
12/6/2016	Antifreeze	4	Industrial Pad	Unknown	Contaminated snow picked up and disposed of appropriately
12/7/2016	Hydraulic Oil	5	Portal	Oil leak under equipment	Spill was contained and contaminated soil picked up and disposed of appropriately
12/7/2016	Diesel	2	Portal	Fuel line broke while crane was being parked	Spill was contained and contaminated snow picked up and disposed of appropriately
12/9/2016	Hydraulic Oil	1	Industrial Pad	Oil leak noticed during pre-operation inspection	Contaminated snow picked up and disposed of appropriately
12/9/2016	Engine Oil	2	Portal	Leak was noticed from underneath compressor - cold weather stress	Spill was contained and contaminated snow picked up and disposed of appropriately
12/9/2016	Diesel	6	Portal	The worker was transferring fuel to loader and mistakenly transferred it into the oil tank; The tank overflowed with a mixture of fuel and oil.	Spill was contained and contaminated snow picked up and disposed of appropriately
12/9/2016	Antifreeze	2	Industrial Pad	Due to cold weather, the antifreeze line retracted and became uncoupled, causing a leak	Spill was contained and contaminated snow picked up and disposed of appropriately
12/9/2016	Antifreeze	1	Industrial Pad	Cold temperatures caused antifreeze line to retract and become uncoupled.	Spill was contained and contaminated snow picked up and disposed of appropriately
12/10/2016	Hydraulic Oil	40	Industrial Pad	Operator was warming up the hydraulic system on the Cat 980G loader by lifting and lowering the empty bucket. As the operator began to lower the bucket, the right side hydraulic lift cylinder failed (cracked).	Spill was contained and contaminated soil picked up and disposed of appropriately
12/10/2016	Hydraulic Oil	0.1	Industrial Pad	Hydraulic line disconnected (likely due to cold stress), resulting in a leak.	Spill was contained and contaminated snow picked up and disposed of appropriately
12/12/2016	Hydraulic Oil	1	Industrial Pad	Loader was parked and idling when a leak was noticed underneath the	Spill was contained and contaminated snow picked up and disposed of appropriately

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				loader	
12/12/2016	Hydraulic Oil	1	Industrial Pad	The crane powerpack pipe started to overflow on to the ground while the crane was in operation.	Spill was contained and contaminated snow picked up and disposed of appropriately
12/14/2016	Anti-freeze	0.5	Industrial Pad	Anti-freeze pipe froze and retracted, causing the pipe to open and spill	Contaminated snow was cleaned and disposed of into HAZMAT container, spill pad was place to control spill from equipment.
12/19/2016	Fuel	1.5	Beside HU office	Fuel tank's plastic oil breather cracked and broke due to cold temperatures	Spill was contained and contaminated snow picked up and disposed of appropriately
12/19/2016	Transmission oil	0.05	Front of Fontain Tire	Transmission oil leak	Spill was contained and contaminated snow picked up and disposed of appropriately
12/21/2016	Antifreeze	3	MTKSL parking lot	Antifreeze spill due to coolant lines cooling down.	Spill was contained and contaminated snow picked up and disposed of appropriately