



MEADOWBANK COMPLEX

Monitoring Program Summary Report

January 2025

Type A Water License 2AM-MEA1530

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SECTION 1 • BACKGROUND

On June 13, 2020, Agnico Eagle received the minister's approval for the Water License 2AM-MEA1530 Amendment No.4. This amendment was required to authorize changes to the previously approved uses of water and deposit of wastes needed to reflect the expansion of the Whale Tail Mine.

As required under Part I, Item 21 of Type A Water License 2AM-MEA1530 (Amendment No.4), this report documents the water management and monitoring activities at the mine site for the month. This includes water usage, Vault Attenuation Pond and Phaser Attenuation Pond discharge, East Dike Seepage discharge water quality, RSF Seepage, Central Dike Seepage, Assay Road Seepage, sewage treatment plant discharge water quality (which is directed to the onsite storm water management pond), an update to the In-Pit disposal and follow up to the AWAR spill at Km 87.

In addition, a summary of spills/actions for the month is reported.

SECTION 2 • WATER MANAGEMENT

2.1 WATER USAGE

Freshwater usage for the month is summarized in Table 2.1 below.

Table 2.1: Freshwater Usage (m³)

Water Location	Source Lake	Jan	Total
Camp	Third Portage Lake	2,768	2,768
Mill (freshwater tank)	Third Portage Lake	79,888	79,888
Emulsion plant	Unnamed Lake	0	0
Total Freshwater Usage (m³)		82,656	82,656
Ore Water (m³)	Ore	4,405	4,405
Reclaim Water Usage (m³)	Tailings Pond	326,315	326,315

2.2 WASTE ROCK STORAGE FACILITY SEEPAGE

In January, no water was pumped back to Portage Pit from the ST-16 sump. No sampling was completed at WEP1 (Station ST-30) or WEP2 (station ST-31) during the month as they were frozen.

Agnico Eagle completed inspections at the Portage and Vault RSFs, no non-conformities were found during the month.

2.3 CENTRAL DIKE SEEPAGE

In January, 13,047 m³ of water was pumped from ST-S-5 sump to Portage Pits.

Sampling was conducted minimally on a monthly basis at ST-S-5 as per the requirements of the NWB Water License.

Visual inspections are completed monthly, by the Environment Department, as well as daily monitoring of piezometric values.

2.4 ASSAY ROAD SEEPAGE

In January, no water was pumped from the mill trench back to the mill due to frozen conditions. Routine inspections occurred during the month.

2.5 SEEPAGE AND RUNOFF FROM THE LANDFILL

The landfill was inspected weekly, and no seepage or runoff was observed.

2.6 SEWAGE TREATMENT PLANT

One (1) effluent wastewater sample was collected at the onsite sewage treatment plant (STP) in January. The Seprotech STP results are shown in Table 2.6.1 below; the LJ-Mix STP results are shown in Table 2.6.2. The effluent from the STP is discharged to the Stormwater Management Pond.

In January, no water was pumped from the Stormwater Management Pond to Portage Pits.

Table 2.6.1: Seprotech Effluent Results

Parameters	Units	1/7/2025
Unionized Ammonia (NH ₃)	mg N/L	0.072
Ammonia-Nitrogen (NH ₃ -NH ₄)	mg N/L	36
Total Kjeldahl Nitrogen	mg N/L	39
BOD-5	mg/L	6
COD	mg/L	41
Total Suspended Solids	mg/L	5
Nitrate	mg N/L	3.13
Nitrite	mg N/L	1.35
pH*	Units	6.70
Fecal Coliform	UFC/100 mL	340
Total Coliform	UFC/100 mL	300

*Parameter measured by STP operators

Table 2.6.2: LJ-Mix Effluent Results

Parameters	Units	1/7/2025
Unionized Ammonia (NH ₃)	mg N/L	0.0021
Ammonia-Nitrogen (NH ₃ -NH ₄)	mg N/L	9.2
Total Kjeldahl Nitrogen	mg N/L	10
BOD-5	mg/L	5
COD	mg/L	40
Total Suspended Solids	mg/L	6
Nitrate	mg N/L	19.4
Nitrite	mg N/L	0.184
pH*	Units	5.70
Fecal Coliform	UFC/100 mL	2,600
Total Coliform	UFC/100 mL	18,000

*Parameter measured by STP operators

2.7 VAULT ATTENUATION POND EFFLUENT

No discharge has occurred from the Vault Attenuation Pond since October 9, 2017.

2.8 PHASER ATTENUATION POND

No water was pumped from the Phaser Attenuation Pond during the month.

No water was transferred from BB Phaser Pit sumps to the Phaser Attenuation Pond during the month.

2.9 EAST DIKE SEEPAGE EFFLUENT

Discharge to Second Portage Lake occurred for the entire month and a total of 7,978 m³ was discharged.

Four (4) weekly effluent samples were collected at ST-8 in January. The TSS results did not exceed the maximum allowable grab sample concentration (30 mg/L), or the maximum monthly average concentration (15 mg/L) permitted by the Water License, Part F, Item 7. The TSS monitoring results for January are provided in Table 2.9.1 below.

Table 2.9.1 East Dike Seepage Results for TSS

Parameter	Unit	Sample Date				Monthly Average
		1/6/2025	1/13/2025	1/20/2025	1/27/2025	
Total Suspended Solids (TSS)	mg/L	3	5	2	3	3.25

Monthly sampling pursuant to the Water License was also conducted at ST-8 in January. The results are shown in Table 2.9.2 below. There were no exceedances of MDMER criteria.

Table 2.9.2: January Monthly Monitoring Results

Parameters	Unit	Sample Date	
		1/6/2025	1/13/2025
pH*	pH units	9.06	8.78
Aluminum	mg/L	0.0594	0.0728
Sulphate	mg/L	8.5	8.1
Arsenic	mg/L	0.00095	0.00092
Copper	mg/L	0.00125	0.00157
Nickel	mg/L	< 0.0010	< 0.0010
Lead	mg/L	< 0.00020	< 0.00020
Zinc	mg/L	< 0.0050	< 0.0050
Radium 226	mg/L	< 0.0050	< 0.0050
Total Cyanide	mg/L	< 0.00050	< 0.00050
Turbidity*	NTU	1.04	2.33
Un-Ionized Ammonia	mg/L	< 0.0046	< 0.0025

* Parameter measured by technician

2.10 NON-CONTACT WATER

Portage Area East diversion ditch (ST-5) and West diversion ditch (ST-6) were not sampled in January due to the diversion ditches being frozen. Sampling is conducted during open water conditions.

2.11 IN-PIT DISPOSAL

Tailings were disposed of in Portage Pits and reclaim water was taken from Portage Pits for the month.

SECTION 3 • SPILL MANAGEMENT

Figure 3.1 shows reported and non-reported spills for 2025 broken down per month and Table 3.1 summarizes Agnico Eagle spill reports for January.

Ten (10) spills occurred on site during the month with one (1) being reported to regulators. Eight (8) of the spills that did not meet the reporting threshold were reported to the Inspector for due diligence purposes. Spills were contained and cleaned, contaminated material was disposed of in the appropriate area, and the clean-up actions were monitored closely by the Environment Department. There was no off-site impact to any watercourses.

Figure 3.1 2025 Reported and Non-Reported Spills

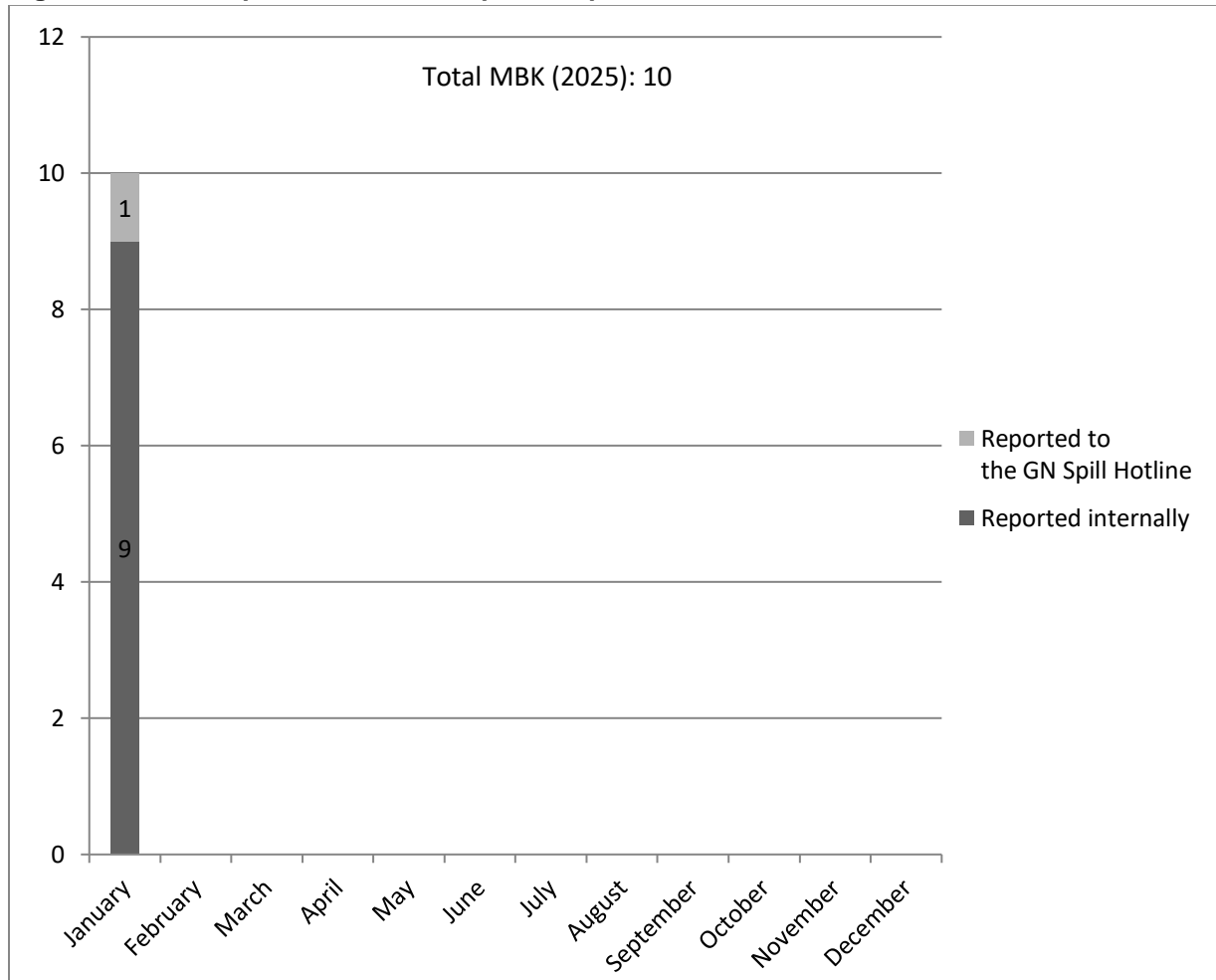


Table 3.1: Summary of Agnico Eagle Internal and Reported Spill Reports, January 2025

Date of Spill	Hazardous Material	Quantity	Units (L / Kg / m ³)	Location	Cause of spill	Clean-up action taken
1/3/2025	Engine Oil	1	L	Baker Lake Fuel Farm	Equipment Failure	The contaminated material was collected and brought to the Meadowbank Landfarm.
1/3/2025	Diesel Fuel	4	L	Meadowbank Fuel Farm	Equipment Malfunction	The contaminated material will be collected and brought to the Meadowbank Landfarm.
1/9/2025	Coolant	30	L	Front Desk Parking	Mechanical Failure	The contaminated material was collected and brought to the Meadowbank Tailings Storage Facility.
1/10/2025	Hydraulic Oil	2	L	Tarmac	Mechanical Failure	The contaminated material was collected and brought to the roll off bin for disposal at the Meadowbank Landfarm.
1/12/2025	Hydraulic Oil	0.5	L	Stormwater Management Pond Road Parking	Mechanical Failure	The contaminated material was collected and brought to the Meadowbank Landfarm.
1/15/2025	Coolant	5	L	Front Desk Parking	Mechanical Failure	The contaminated material was collected and brought to the Meadowbank Tailings Storage Facility.
1/15/2025	Hydraulic Oil	4	L	Mill Yard	Mechanical Failure	The contaminated material was collected and brought to the Meadowbank Landfarm.
1/15/2025	Coolant	1	L	Stormwater Management Pond Road Parking	Equipment Failure	The contaminated material was collected and brought to the Meadowbank Tailings Storage Facility.
1/18/2025	Waste Oil & Coolant	1,400	L	Hazmat Yard	Human Error	The contaminated material was collected and brought to the Meadowbank Tailings Facility
1/25/2025	Hydraulic Oil	3	L	Winter Parking	Equipment Failure	Contaminated soil was picked up and disposed in the yellow bin.

3.1 KM 87 SPILL FOLLOW UP

In January, Agnico Eagle completed inspections at KM87 spill areas. No samples were collected during the month due to frozen conditions