



MEADOWBANK COMPLEX

Monitoring Program Summary Report

March 2022

Type A Water License 2AM-MEA1530

Table of Contents

SECTION 1 • BACKGROUND 3

SECTION 2 • WATER MANAGEMENT 4

2.1 WATER USAGE4

2.2 WASTE ROCK STORAGE FACILITY SEEPAGE4

2.3 CENTRAL DIKE SEEPAGE4

2.4 ASSAY ROAD SEEPAGE4

2.5 SEEPAGE AND RUNOFF FROM THE LANDFILL4

2.6 SEWAGE TREATMENT PLANT5

2.7 VAULT ATTENUATION POND EFFLUENT5

2.8 PHASER ATTENUATION POND6

2.9 EAST DIKE SEEPAGE EFFLUENT6

2.10 NON CONTACT WATER6

2.11 IN-PIT DISPOSAL6

SECTION 3 • SPILL MANAGEMENT 7

SECTION 1 • BACKGROUND

On May 13, 2020, Agnico 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 Pit Project.

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 and water quality, 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) and an update to the In-Pit disposal.

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

SECTION 2 • WATER MANAGEMENT

2.1 WATER USAGE

Fresh water usage for the month is summarized in Table 2.1 below

Table 2.1: Freshwater Usage (m³)

Water Location	Source Lake	Jan	Feb	March	Total
Camp	Third Portage Lake	2,500	2,859	2,954	8,313
Mill (freshwater tank)	Third Portage Lake	49,833	210,782	137,225	397,839
Emulsion plant	Unnamed Lake	48	14	89	151
Total Freshwater Usage (m³)		52,380	213,655	140,268	406,303
Ore Water (m³)	Ore	1,927	3,310	4,302	9,359
Reclaim Water Usage (m³)	Tailings Pond	266,541	72,375	214,517	553,433

2.2 WASTE ROCK STORAGE FACILITY SEEPAGE

In March, no water was pumped back to the North Cell TSF from the ST-16 sump. There was no sampling completed at WEP1 (Station ST-30) and 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 March, 17,469 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 March, no water was pumped from the mill trench back to the mill due to frozen conditions. Agnico Eagle completed inspections and no non-conformities were found 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 March.

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 March, no water was pumped from the Stormwater Management pond to the tailings storage facility.

Table 2.6.1: Seprotech Effluent Results

Parameters	Units	March 21, 2022
Unionized Ammonia (NH ₃)	mg N/L	0.0041
Ammonia-Nitrogen (NH ₃ -NH ₄)	mg N/L	12
Total Kjeldahl Nitrogen	mg N/L	13
BOD-5	mg/L	3
COD	mg/L	48
Total Suspended Solids	mg/L	5
Nitrate	mg N/L	16.7
Nitrite	mg N/L	0.259
pH*	Units	5.80
Fecal Coliform	UFC/100 mL	160
Total Coliform	UFC/100 mL	1500

*Parameter measured by STP operators

Table 2.6.2: LJ-Mix Effluent Results

Parameters	Units	March 21, 2022
Unionized Ammonia (NH ₃)	mg N/L	0.0011
Ammonia-Nitrogen (NH ₃ -NH ₄)	mg N/L	13
Total Kjeldahl Nitrogen	mg N/L	16
BOD-5	mg/L	7
COD	mg/L	66
Total Suspended Solids	mg/L	12
Nitrate	mg N/L	25.6
Nitrite	mg N/L	0.017
pH*	Units	5.20
Fecal Coliform	UFC/100 mL	<100
Total Coliform	UFC/100 mL	10000

*Parameter measured by STP operators

2.7 VAULT ATTENUATION POND EFFLUENT

No discharge has occurred from the Vault Attenuation Pond since October 9, 2017. There is currently no plan to restart the discharge in the future.

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

No water was discharged from the East Dike to Second Portage Lake during the month. In March, water from the East Dike was discharged to Portage Pit.

2.10 NON CONTACT WATER

Portage Area East diversion ditch (ST-5) and West diversion ditch (ST-6) were not sampled in March 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 Pit E and reclaim water was taken from Portage Pit A for the month.

SECTION 3 • SPILL MANAGEMENT

Figure 3.1 shows reported and non-reported spills for 2022 broken down per month and Table 3.1 summarizes Agnico Eagle spill reports for March.

Six (6) spills occurred on site during the month with one (1) reported to regulators. Spills were contained and cleaned, contaminated material was disposed to the appropriate area, and the clean-up actions were monitored closely by the Environment Department.

Figure 3.1 2022 Reported and Non-Reported Spills

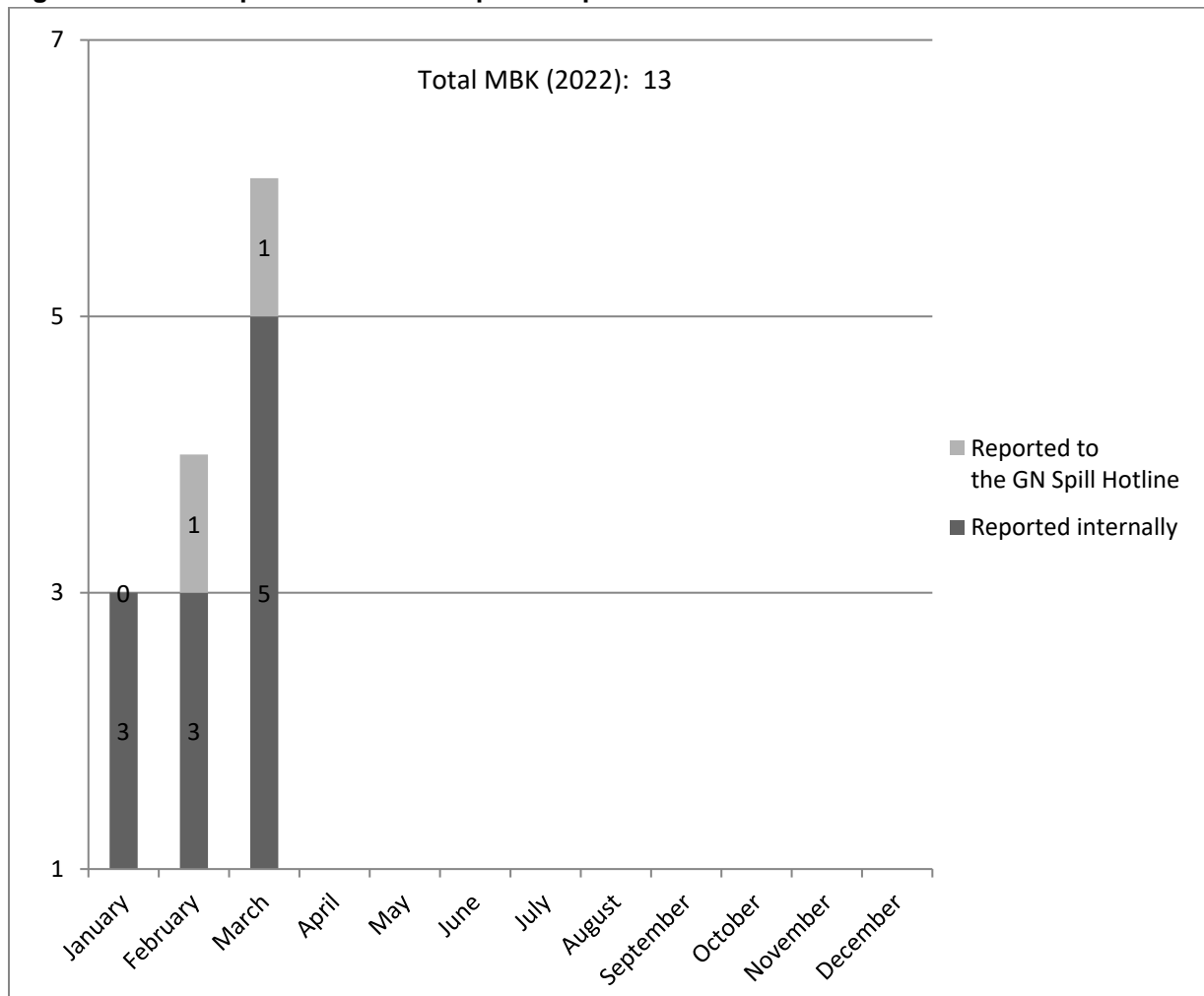


Table 3.1: Summary of Agnico Eagle Internal and Reported Spill Reports, March 2022

Date of Spill	Hazardous Material	Qty	Units (L / Kg)	Location	Cause of spill	Clean-up action taken
3/1/2022	Diesel Fuel	85	L	Environment Parking	Equipment failure	The equipment engine was shut down and spill pads were placed under the vehicle. Contaminated snow was brought to the yellow bin for disposal.
3/1/2022	Coolant	2	L	Environment Parking	Equipment failure	Contaminated snow picked up and disposed of adequately in a yellow bin.
3/17/2022	Glycol	2	L	Between Pebble Crusher and HPGR	Hose failure	Immediate shutoff off pump. Contaminated material was collected and brought to yellow bin for disposal.
3/28/2022	Diesel Fuel	250	L	Meadowbank Fuel Farm	Overflow during fuelling	Spill pads were immediately placed on the ground and a grader was called to scrape the area clean. Approximately 10 m ³ of contaminated snow and material was collected and brought to the Meadowbank Landfarm.
3/30/2022	Diesel Fuel	40	L	Pushback Parking	Unknown	Contaminated soil was collected and brought to a yellow bin for disposal.
3/31/2022	Hydraulic Oil	5	L	Environment Office	Broken hydraulic hose	Contaminated soil was collected and brought to a yellow bin for disposal.