



AGNICO EAGLE

MEADOWBANK DIVISION

Monitoring Program Summary Report

April 2021

Type A Water License 2AM-MEA1530

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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 and reclaim 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	April	Total
Camp	Third Portage Lake	2,639	2,334	2,376	2,297	9,646
Mill (freshwater tank)	Third Portage Lake	125,901	87,438	87,445	78,643	379,427
Emulsion plant	Unnamed Lake	104	90	127	118	439
Total Freshwater Usage (m³)		128,644	89,862	89,948	81,058	389,512
Ore Water (m³)	Ore	4,408	3,310	3,684	2,416	13,818
Reclaim Water Usage (m³)	Tailings Pond	237,647	205,445	277,684	171,821	892,597

2.2 WASTE ROCK STORAGE FACILITY SEEPAGE

In April, no water was pumped back to the North Cell TSF from the ST-16 sump. No sampling was 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 April, 18,982 m³ of water was pumped from ST-S-5 sump to Portage Pit A.

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 Engineering Department, as well as daily monitoring of piezometric values.

2.4 ASSAY ROAD SEEPAGE

In April, no water was pumped from the mill trench back to the mill. No non-conformities were found.

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 April.

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.

No water was pumped from the Stormwater Management pond to the tailings storage facility during the month.

Table 2.6.1: Seprotech Effluent Results

Parameters	Units	April 6, 2021
Ammonia (NH ₃)	mg N/L	<0.01
Ammonia-Nitrogen (NH ₃ -NH ₄)	mg N/L	13.37
Total Kjeldahl Nitrogen	mg N/L	14
BOD-5	mg/L	3
COD	mg/L	52
Total Suspended Solids	mg/L	7
Nitrate	mg N/L	26.9
Nitrite	mg N/L	0.08
pH*	Units	4.60
Fecal Coliform	UFC/100 mL	100
Total Coliform	UFC/100 mL	<1000

*Parameter measured by STP operators

Table 2.6.2: LJ-Mix Effluent Results

Parameters	Units	April 6, 2021
Ammonia (NH ₃)	mg N/L	<0.01
Ammonia-Nitrogen (NH ₃ -NH ₄)	mg N/L	12.41
Total Kjeldahl Nitrogen	mg N/L	15
BOD-5	mg/L	2
COD	mg/L	34
Total Suspended Solids	mg/L	4
Nitrate	mg N/L	21.6
Nitrite	mg N/L	0.18
pH*	Units	6.10
Fecal Coliform	UFC/100 mL	<10
Total Coliform	UFC/100 mL	<1000

*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

Discharge to Second Portage Lake occurred from April 1st to 5th and April 26th to 30th and a total of 2,920 m³ was discharged.

Two (2) weekly effluent samples were collected at ST-8 during the month. The TSS results did not exceed the maximum allowable grab sample concentration (30 mg/L), however the maximum monthly average concentration (15 mg/L) permitted by the Water License, Part F, Item 7 was exceeded at 17.5 mg/L. Agnico Eagle didn't suspect the April 29th result will be at the limit of the grab concentration limit set out in the Water License as the internal result for this day was determined to be at 10 mg/L and thus Agnico didn't suspected any potential non-compliance to the maximum allowable monthly mean concentration.. The TSS monitoring results for the month are provided in Table 2.9.1 below.

Table 2.9.1: East Dike Seepage Results for TSS

Parameter	Unit	Sample Date		Monthly Average
		04/05/2021	04/29/2021	
Total Suspended Solids	mg/L	5	30	17.5

Monthly sampling pursuant to the Water License was also conducted at ST-8 in April. The results are shown in Table 2.9.2 below..

Table 2.9.2: April 2021 Monthly Monitoring Results

Parameter	Unit	Sample Date
		04/05/2021
pH*	-	8.20
Aluminum	mg/L	0.0586
Sulphate	mg/L	8.8
Arsenic	mg/L	0.00075
Copper	mg/L	0.00120
Nickel	mg/L	<0.001
Lead	mg/L	0.00022
Zinc	mg/L	<0.005
Radium 226	mg/L	<0.005
Total Cyanide	mg/L	<0.005

* 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 April due to the diversion ditches being frozen. Sampling is conducted during open water conditions.

2.11 IN-PIT DISPOSAL

In-Pit tailings disposal occurred 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 2021 broken down per month and Table 3.1 summarizes Agnico Eagle spill reports for April.

One (1) spills occurred in April with zero (0) reported to regulators. The spills were contained, and clean-up actions were monitored closely by the Environment Department. There were no off-site impact to any watercourses.

Figure 3.1 2021 Reported and Non-Reported Spills

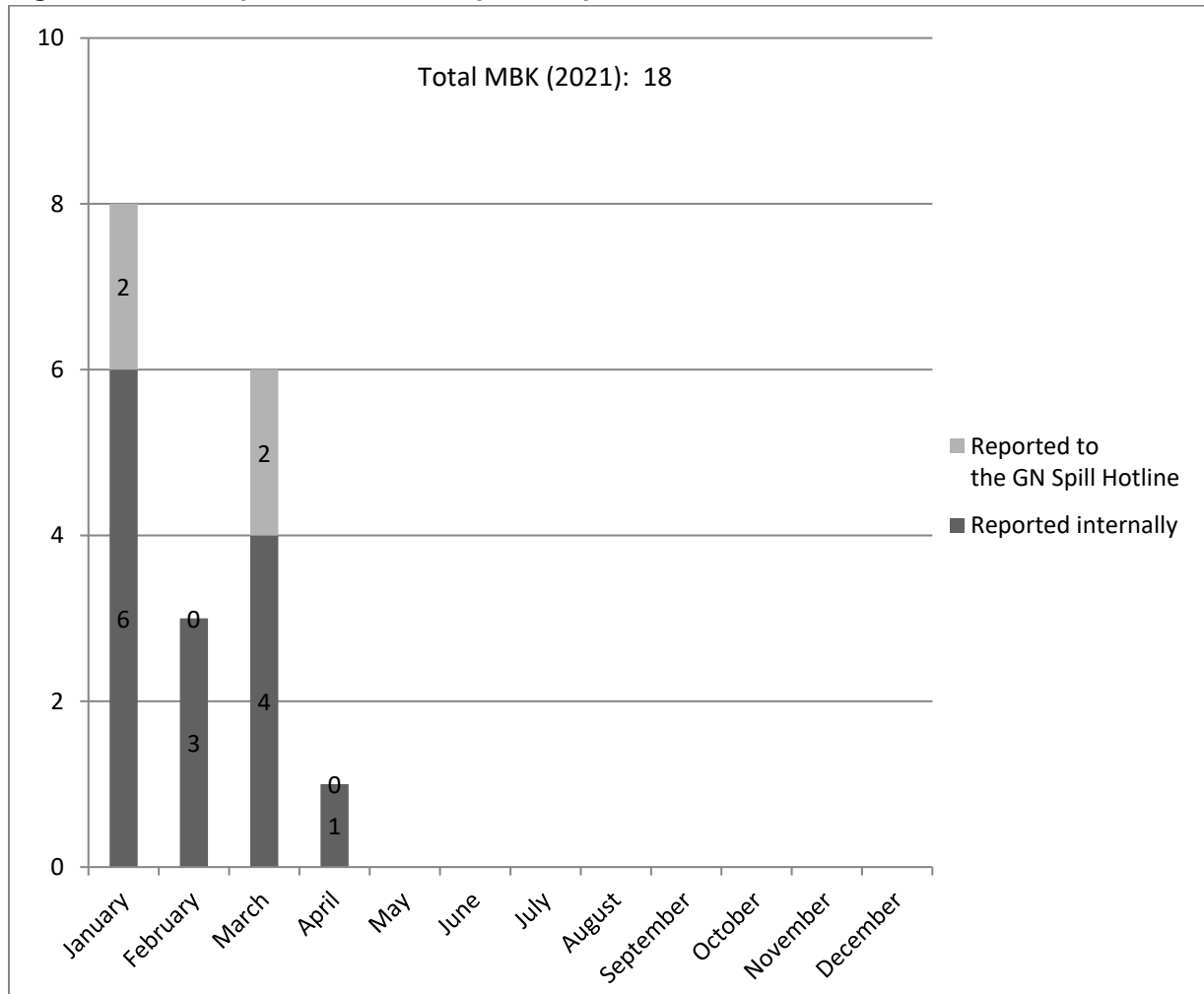


Table 3.1: Summary of Agnico Eagle Internal and Reported Spill Reports, April 2021

Date of Spill	Hazardous Material	Qty	Units (L / Kg)	Location	Cause of spill	Clean-up action taken
4/22/2021	Diesel Fuel	20	L	MBK Fuel Farm	Fuel hose detached	Contaminated material was removed and adequately disposed of.