



MEADOWBANK COMPLEX

# **Monitoring Program Summary Report**

**April 2025**

Type A Water License 2AM-MEA1530

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## **SECTION 1 • BACKGROUND**

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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 stormwater 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 (m<sup>3</sup>)**

Water Location	Source Lake	Jan	Feb	March	April	Total
Camp	Third Portage Lake	2,768	2,515	2,695	2,678	10,656
Mill (freshwater tank)	Third Portage Lake	79,888	52,540	50,018	24,208	206,654
Emulsion plant	Unnamed Lake	0	0	0	0	0
<b>Total Freshwater Usage (m<sup>3</sup>)</b>		<b>82,656</b>	<b>55,055</b>	<b>52,713</b>	<b>26,886</b>	<b>217,310</b>
<b>Ore Water (m<sup>3</sup>)</b>	Ore	4,405	3,415	3,091	1,253	12,164
<b>Reclaim Water Usage (m<sup>3</sup>)</b>	Tailings Pond	326,315	278,145	331,041	219,417	1,154,918

### 2.2 WASTE ROCK STORAGE FACILITY SEEPAGE

In April, 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 April, 6,289 m<sup>3</sup> 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 April, 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 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.

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

**Table 2.6.1: Seprotech Effluent Results**

Parameters	Units	4/8/2025
Unionized Ammonia (NH <sub>3</sub> )	mg N/L	0.33
Ammonia-Nitrogen (NH <sub>3</sub> -NH <sub>4</sub> )	mg N/L	46
Total Kjeldahl Nitrogen	mg N/L	46
BOD-5	mg/L	12
COD	mg/L	53
Total Suspended Solids	mg/L	15
Nitrate	mg N/L	6.80
Nitrite	mg N/L	1.26
pH*	Units	7.20
Fecal Coliform	UFC/100 mL	280
Total Coliform	UFC/100 mL	2,900

\*Parameter measured by STP operators

**Table 2.6.2: LJ-Mix Effluent Results**

Parameters	Units	4/8/2025
Unionized Ammonia (NH <sub>3</sub> )	mg N/L	0.0031
Ammonia-Nitrogen (NH <sub>3</sub> -NH <sub>4</sub> )	mg N/L	16
Total Kjeldahl Nitrogen	mg N/L	16
BOD-5	mg/L	13
COD	mg/L	54
Total Suspended Solids	mg/L	30
Nitrate	mg N/L	24.1
Nitrite	mg N/L	0.244
pH*	Units	5.60
Fecal Coliform	UFC/100 mL	1,550
Total Coliform	UFC/100 mL	4,000

\*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 April 1<sup>st</sup> to 30<sup>th</sup>. A total of 6,789 m<sup>3</sup> was discharged during the month.

Four (4) weekly effluent samples were collected at ST-8 in April. 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 April are provided in Table 2.9.1 below.

**Table 2.9.1 East Dike Seepage Results for TSS**

Parameter	Unit	Sample Date				Monthly Average
		4/7/2025	4/14/2025	4/21/2025	4/28/2025	
Total Suspended Solids (TSS)	mg/L	1	1	3	6	2.75

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. There were no exceedances of MDMER criteria.

**Table 2.9.2: April Monthly Monitoring Results**

Parameters	Unit	Sample Date
		4/7/2025
pH*	pH units	8.32
Aluminum	mg/L	0.0324
Sulphate	mg/L	9.1
Arsenic	mg/L	0.0005
Copper	mg/L	0.00095
Nickel	mg/L	< 0.0010
Lead	mg/L	< 0.00020
Zinc	mg/L	< 0.0050
Radium 226	mg/L	< 0.0050
Total Cyanide	mg/L	< 0.00050
Turbidity*	NTU	< 0.1
Un-Ionized Ammonia	mg/L	< 0.0009

\* 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**

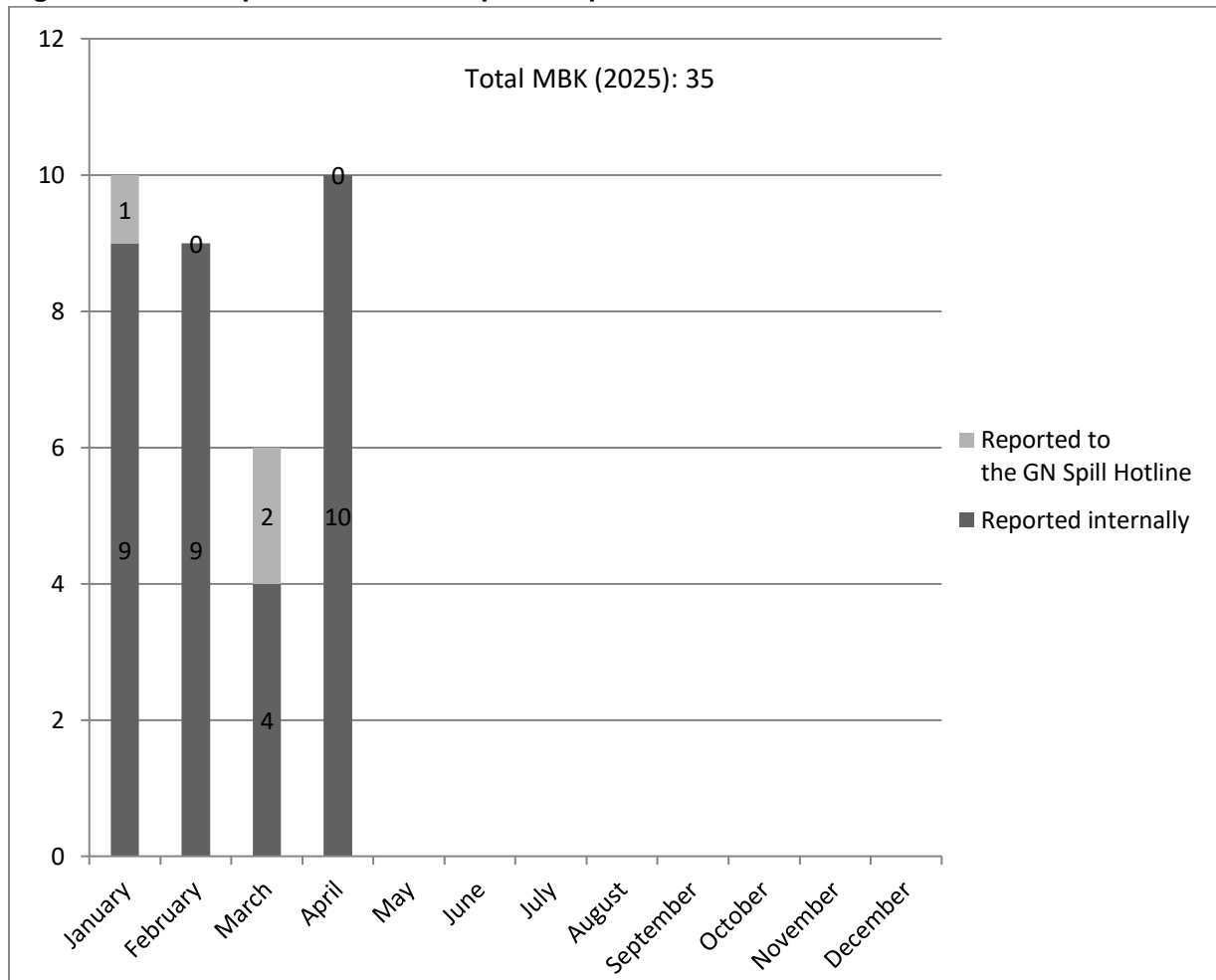
Tailings were disposed of in Portage Pits and reclaim water was taken from Portage Pits for the month.

### 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 April.

Ten (10) spills occurred on site during the month with none (0) being reported to regulators. 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 were no off-site impacts to any watercourses.

**Figure 3.1 2025 Reported and Non-Reported Spills**





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

Date of Spill	Hazardous Material	Quantity	Units	Location	Cause of spill	Clean-up action taken
4/1/2025	Diesel Fuel	8	L	AWAR KM 3	Human error	Absorbent pads used. Contaminated material was picked up and disposed in the yellow bin.
4/6/2025	Coolant	10	L	Quarry 23 - D&B Laydown	Equipment failure	The contaminated material was collected and disposed in the roll-off bin to be disposed off at the Meadowbank Tailings Storage Facility.
4/7/2025	Hydraulic Oil	55	L	RF-2	Equipment failure	Absorbent pads used. Contaminated material was picked up and disposed in the yellow bin.
4/11/2025	Coolant	1	L	AWAR KM 85	Equipment failure	The contaminated material was collected and disposed in the roll-off bin to be disposed off at the Meadowbank Tailings Storage Facility.
4/13/2025	Glycol	5	L	Seacan Laydown	Human error	The contaminated material was collected and disposed in the roll-off bin to be disposed off at the Meadowbank Tailings Storage Facility.
4/25/2025	Transmission Fluid	8	L	Pushback Parking	Equipment failure	Contaminated soil was picked up and disposed in the yellow bin.
4/26/2025	Hydraulic Oil	14	L	Quarry 23	Equipment failure	Contaminated soil was picked up and disposed in the yellow bin.
4/27/2025	Hydraulic Oil	25	L	Quarry 23	Equipment failure	Contaminated soil was picked up and disposed in the yellow bin.
4/28/2025	Glycol	10	L	Winter Parking	Equipment failure	Absorbent pads used. The contaminated material was collected and disposed in the roll-off bin to be disposed off at the Meadowbank Tailings Storage Facility.

### **3.1 KM 87 SPILL FOLLOW UP**

In April, Agnico Eagle completed inspections at KM 87 spill areas. No samples were collected during the month due to frozen conditions.