



MEADOWBANK COMPLEX

# **Monitoring Program Summary Report**

**October 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	Mar	Apr	May	Jun
Camp	Third Portage Lake	2,768	2,515	2,695	2,678	2,724	2,648
Mill (freshwater tank)	Third Portage Lake	79,888	52,540	50,018	24,208	21,300	37,334
Emulsion plant	Unnamed Lake	0	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>24,024</b>	<b>39,982</b>
<b>Ore Water (m<sup>3</sup>)</b>	Ore	4,405	3,415	3,091	1,253	1,632	4,134
<b>Reclaim Water Usage (m<sup>3</sup>)</b>	Tailings Pond	326,315	278,145	331,041	219,417	253,450	298,511

Water Location	Source Lake	Jul	Aug	Sep	Oct	Total
Camp	Third Portage Lake	2,889	2,733	2,678	3,002	<b>27,330</b>
Mill (freshwater tank)	Third Portage Lake	42,159	39,447	35,816	41,642	<b>424,352</b>
Emulsion plant	Unnamed Lake	0	0	0	0	<b>0</b>
<b>Total Freshwater Usage (m<sup>3</sup>)</b>		<b>45,048</b>	<b>42,180</b>	<b>38,494</b>	<b>44,644</b>	<b>451,682</b>
<b>Ore Water (m<sup>3</sup>)</b>	Ore	3,731	4,284	3,361	4,344	<b>33,650</b>
<b>Reclaim Water Usage (m<sup>3</sup>)</b>	Tailings Pond	328,194	341,020	311,136	292,214	<b>2,979,443</b>

### 2.2 WASTE ROCK STORAGE FACILITY SEEPAGE

In October, water from WEP-1 and WEP-2 sumps was transferred to the ST-16 Sump. A total of 1,760 m<sup>3</sup> of water was pumped back to Portage Pit from the ST-16 sump.

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

### 2.3 CENTRAL DIKE SEEPAGE

In October, 49,711 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 October, 543 m<sup>3</sup> of water was pumped from the mill trench back to the mill. Routine monitoring and inspection 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 October. 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 October, 5,400 m<sup>3</sup> of water was pumped from the Stormwater Management Pond to Portage Pits.

**Table 2.6.1: Seprotech Effluent Results**

Parameters	Units	10/7/2025
Unionized Ammonia (NH <sub>3</sub> )	mg N/L	0.63
Ammonia-Nitrogen (NH <sub>3</sub> -NH <sub>4</sub> )	mg N/L	64
Total Kjeldahl Nitrogen	mg N/L	67
BOD-5	mg/L	20
COD	mg/L	130
Total Suspended Solids	mg/L	15
Nitrate	mg N/L	< 0.10
Nitrite	mg N/L	< 0.010
pH*	Units	7.10
Fecal Coliform	UFC/100 mL	37,000
Total Coliform	UFC/100 mL	90,000

\*Parameter measured by STP operators

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

Parameters	Units	10/7/2025
Unionized Ammonia (NH <sub>3</sub> )	mg N/L	0.18
Ammonia-Nitrogen (NH <sub>3</sub> -NH <sub>4</sub> )	mg N/L	37
Total Kjeldahl Nitrogen	mg N/L	41
BOD-5	mg/L	25
COD	mg/L	130
Total Suspended Solids	mg/L	21
Nitrate	mg N/L	2.60
Nitrite	mg N/L	0.404
pH*	Units	7.10
Fecal Coliform	UFC/100 mL	> 60,000
Total Coliform	UFC/100 mL	> 80,000

\*Parameter measured by STP operators

## 2.7 VAULT ATTENUATION POND EFFLUENT

Discharge to from Vault Attenuation Pond to Wally Lake occurred from October 1<sup>st</sup> to 31<sup>st</sup>, a total of 436,009 m<sup>3</sup> was discharged.

Four (4) weekly effluent samples were collected at ST-10 in October. As per Water License Part F Item 4, the effluent from this discharge shall not exceed the limits detailed in Table 2.7.1 below. No non-compliances were observed during the month of October related to this discharge to the receiving environment. There were no exceedances of Water License or MDMER limits during the month.

**Table 2.7.1: Vault Attenuation Pond Discharge to Wally Lake (ST-10)**

Parameter	Maximum Authorized Concentration Grab Sample	Maximum Authorized Monthly Mean Concentration	Unit	Sample Date				Monthly Average
				10/6/2025	10/13/2025	10/20/2025	10/27/2025	
Field Measured								
pH	6.0 - 9.0	6.0 - 9.0	pH units	7.51	7.37	7.14	7.07	7.27
Turbidity	15	15	NTU	3.68	5.39	2.21	2.52	3.45
Conventional Parameters								
Total suspended solids	30	15	mg/L	3	4	2	1	2.5
Major Ions								
Chloride	1000	500	mg/L	2.5	2.6	2.3	2.5	2.5
Nutrients								
Ammonia nitrogen (NH <sub>3</sub> -N)	40	20	mg N/L	< 0.050	< 0.050	0.180	< 0.050	0.064
Total nitrate (NO <sub>3</sub> -N)	100	50	mg N/L	< 0.10	< 0.10	< 0.10	< 0.10	0.05
Total phosphorus	3.0	1.5	mg P/L	0.0032	0.0020	0.0010	< 0.0010	0.0017
Total Metals								
Aluminum	3.0	1.5	mg/L	0.0422	0.0835	0.0278	0.0244	0.0445
Arsenic	0.2	0.1	mg/L	0.00059	0.00063	0.00057	0.00062	0.00060
Cadmium	0.004	0.002	mg/L	0.000010	< 0.000010	< 0.000010	< 0.000010	0.000006
Copper	0.2	0.1	mg/L	0.00163	0.00267	0.00137	0.00141	0.00177
Lead	0.2	0.1	mg/L	< 0.00020	0.00173	< 0.00020	< 0.00020	0.00051
Mercury	0.008	0.004	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.000005
Nickel	0.4	0.2	mg/L	0.0011	0.0013	0.0010	< 0.0010	0.0010
Zinc	0.4	0.2	mg/L	< 0.0050	0.0120	< 0.0050	< 0.0050	0.0049
Dissolved Metals								
Aluminum	2.0	1.0	mg/L	0.0087	0.0056	0.0067	0.0036	0.0062

## 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 seepage to Second Portage Lake during the month. In October, water from the East Dike seepage was discharged into Portage Pits.

## 2.10 NON-CONTACT WATER

In October, Agnico Eagle completed inspections at Portage Area East diversion ditch (ST-5) and West diversion ditch (ST-6). Portage Area East (ST-5) and West diversion ditches (ST-6) water quality results are shown in Tables 2.10.1 and 2.10.2, respectively.

TSS results for both stations did not exceed the maximum allowable grab sample concentration (30 mg/L), or the maximum average concentration (15 mg/L) permitted by the Water License, Part F, Item 7.

**Table 2.10.1: Portage Area East Diversion Ditch (ST-5) Results**

Parameter	Units	10/12/2025
Total Suspended Solids (TSS)	mg/L	2

**Table 2.10.2: Portage Area West Diversion Ditch (ST-6) Results**

Parameter	Units	10/12/2025
Total Suspended Solids (TSS)	mg/L	2

## 2.11 IN-PIT DISPOSAL

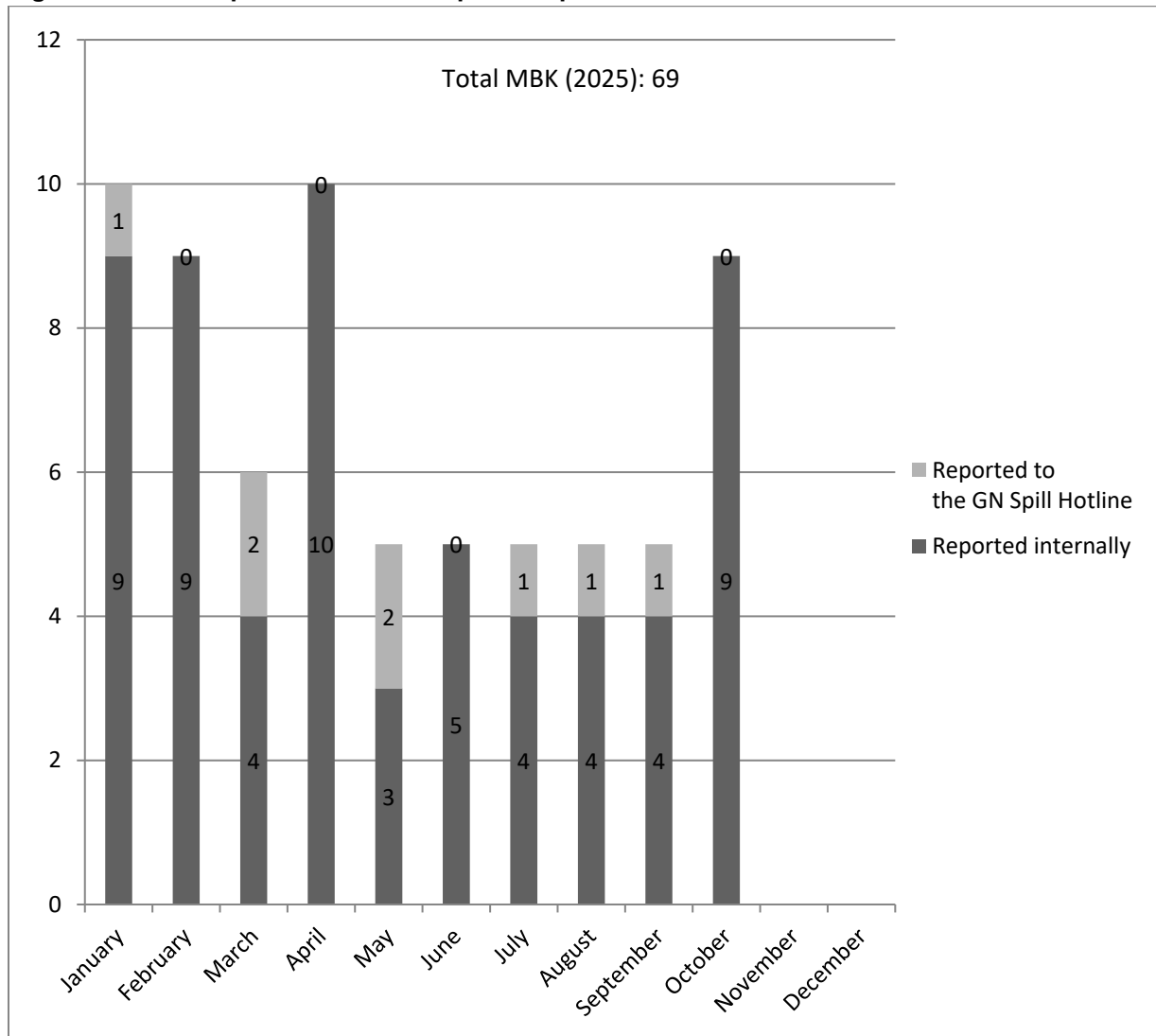
Tailings were disposed of in Portage Pits and reclaim water was taken from Portage Pits for the month.

### 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 October.

Nine (9) 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, October 2025**

Date of Spill	Hazardous Material	Quantity	Units	Location	Cause of spill	Clean-up action taken
10/4/2025	Hydraulic Oil	40	L	Crusher Pad	Equipment failure	Contaminated soil was picked up and disposed in the yellow bin.
10/5/2025	Coolant	30	L	AWAR KM 63	Equipment failure	The contaminated material was collected and disposed in the roll-off bin to be disposed off at the Meadowbank Tailings Storage Facility.
10/8/2025	Engine Oil	30	L	Winter Parking	Equipment failure	Contaminated soil was picked up and disposed in the yellow bin.
10/15/2025	Diesel Fuel	15	L	Fuel Farm	Equipment failure	Absorbent pads used. Contaminated material was picked up and disposed in the yellow bin.
10/19/2025	Transmission Oil	10	L	Environment Office Parking	Equipment failure	Contaminated soil was picked up and disposed in the yellow bin.
10/20/2025	Diesel Fuel	60	L	AWAR KM 42	Equipment failure	Contaminated soil was picked up and disposed in the yellow bin.
10/27/2025	Hydraulic Oil	4	L	Outside Main Shop	Equipment failure	Contaminated soil was picked up and disposed in the yellow bin.
10/31/2025	Hydraulic Oil	8	L	Winter Parking	Maintenance	Contaminated soil was picked up and disposed in the yellow bin.
10/31/2025	Hydraulic Oil	10	L	Outside Bay 10	Equipment failure	Absorbent pads used. Contaminated material was picked up and disposed in the yellow bin.

### 3.1 KM 87 SPILL FOLLOW UP

In October, Agnico Eagle completed inspections at KM87 spill areas. No water was pumped from the collection sump and brought to the Stormwater management pond. Sampling was collected downstream of the collection sump at sampling station ST-44. Water quality results are shown in Table 3.2.

**Table 3.2: KM87 (ST-44) Results**

Parameter	Unit	10/5/2025
pH	pH units	8.14
TSS	mg/L	2
Total oil and grease	mg/L	0.80
Benzene	mg/L	< 0.00020
Ethylbenzene	mg/L	< 0.00020
Toluene	mg/L	< 0.00020
Xylenes	mg/L	< 0.00040
m,p-Xylenes	mg/L	< 0.00040
o-Xylene	mg/L	< 0.00020
F2 (C10-C16)	mg/L	< 0.09
F3 (C16-C34)	mg/L	< 0.2
F4 (C34-C50)	mg/L	< 0.2
Petroleum Hydrocarbons F (C10-C50)	mg/L	< 0.2