



AGNICO EAGLE

MEADOWBANK COMPLEX

Monitoring Program Summary Report

September 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 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 (m³)

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
Total Freshwater Usage (m³)		82,656	55,055	52,713	26,886	24,024	39,982
Ore Water (m³)	Ore	4,405	3,415	3,091	1,253	1,632	4,134
Reclaim Water Usage (m³)	Tailings Pond	326,315	278,145	331,041	219,417	253,450	298,511

Water Location	Source Lake	Jul	Aug	Sep	Total
Camp	Third Portage Lake	2,889	2,733	2,678	24,328
Mill (freshwater tank)	Third Portage Lake	42,159	39,447	35,816	382,710
Emulsion plant	Unnamed Lake	0	0	0	0
Total Freshwater Usage (m³)		45,048	42,180	38,494	407,038
Ore Water (m³)	Ore	3,731	4,284	3,361	29,306
Reclaim Water Usage (m³)	Tailings Pond	328,194	341,020	311,136	2,687,229

2.2 WASTE ROCK STORAGE FACILITY SEEPAGE

In September, water from WEP-1 and WEP-2 sumps was transferred to the ST-16 Sump. A total of 5,386 m³ 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 September, 64,307 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 September, 456 m³ 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 September. 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 September, 25,900 m³ of water was pumped from the Stormwater Management Pond to Portage Pits.

Table 2.6.1: Seprotech Effluent Results

Parameters	Units	9/1/2025
Unionized Ammonia (NH ₃)	mg N/L	0.35
Ammonia-Nitrogen (NH ₃ -NH ₄)	mg N/L	38
Total Kjeldahl Nitrogen	mg N/L	44
BOD-5	mg/L	8
COD	mg/L	29
Total Suspended Solids	mg/L	5
Nitrate	mg N/L	5.90
Nitrite	mg N/L	1.78
pH*	Units	7.30
Fecal Coliform	UFC/100 mL	110
Total Coliform	UFC/100 mL	800

*Parameter measured by STP operators

Table 2.6.2: LJ-Mix Effluent Results

Parameters	Units	9/1/2025
Unionized Ammonia (NH ₃)	mg N/L	0.025
Ammonia-Nitrogen (NH ₃ -NH ₄)	mg N/L	16
Total Kjeldahl Nitrogen	mg N/L	20
BOD-5	mg/L	10
COD	mg/L	36
Total Suspended Solids	mg/L	7
Nitrate	mg N/L	21.1
Nitrite	mg N/L	0.422
pH*	Units	6.50
Fecal Coliform	UFC/100 mL	18,000
Total Coliform	UFC/100 mL	30,000

*Parameter measured by STP operators

2.7 VAULT ATTENUATION POND EFFLUENT

Discharge to from Vault Attenuation Pond to Wally Lake occurred from September 1st to 2nd and September 21st to 30th, total of 148,844 m³ was discharged.

Three (3) weekly effluent samples were collected at ST-10 in September. 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 September 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
				9/2/2025	9/22/2025	9/29/2025	
Field Measured							
pH	6.0 - 9.0	6.0 - 9.0	pH units	7.60	7.54	7.31	7.48
Turbidity	15	15	NTU	5.14	4.97	2.99	4.37
Conventional Parameters							
Total suspended solids	30	15	mg/L	3	1	1	1.7
Major Ions							
Chloride	1000	500	mg/L	2.4	2.4	2.4	2.4
Nutrients							
Ammonia nitrogen (NH3-N)	40	20	mg N/L	< 0.050	< 0.050	< 0.050	0.025
Total nitrate (NO3-N)	100	50	mg N/L	< 0.10	< 0.10	< 0.10	0.05
Total phosphorus	3.0	1.5	mg P/L	< 0.0010	< 0.0010	< 0.0010	0.0005
Total Metals							
Aluminum	3.0	1.5	mg/L	0.0209	0.0120	0.0155	0.0161
Arsenic	0.2	0.1	mg/L	0.00054	0.00056	0.00053	0.00054
Cadmium	0.004	0.002	mg/L	< 0.000010	< 0.000010	< 0.000010	0.000005
Copper	0.2	0.1	mg/L	0.00443	0.00274	0.00219	0.00312
Lead	0.2	0.1	mg/L	0.00041	0.00026	< 0.00020	0.00026
Mercury	0.008	0.004	mg/L	< 0.00001	< 0.00001	< 0.00001	0.000005
Nickel	0.4	0.2	mg/L	0.0010	0.0010	0.0011	0.0010
Zinc	0.4	0.2	mg/L	0.0134	0.0159	0.0162	0.0152
Dissolved Metals							
Aluminum	2.0	1.0	mg/L	0.0086	0.0064	0.0055	0.0068

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 September, water from the East Dike seepage was discharged into Portage Pits.

2.10 NON-CONTACT WATER

In September, 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	9/8/2025
Total Suspended Solids (TSS)	mg/L	2

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

Parameter	Units	9/8/2025
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 September.

Five (5) spills occurred on site during the month with one (1) 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.

One (1) spill was reported to regulators on October 2nd, 2025, for due diligence purposes. During a routine inspection of the Meadowbank 5 ML fuel tank, a sheen was observed on water within the secondary containment. Upon further investigation, the sheen appeared to have originated from the aggregate around the base of the fuel tank. A plumber was immediately called to investigate. The exact location of the spill is unknown; however, it is believed that the spill originates from the tank.

Several steps were undertaken to assess whether the tank was leaking and to mitigate potential environmental impacts:

- Retention Basin Drainage: The basin was drained to observe whether it would naturally refill, indicating a possible leak.
- Tank Level Monitoring: Fuel levels were tracked using manual DIP readings and automated level sensors.
- Visual Inspections: All associated piping and tank walls were thoroughly inspected to identify any signs of leakage.
- Tank Isolation: The tank was isolated to prevent further potential discharge and facilitate investigation.

Despite these efforts, preliminary findings have not conclusively identified the source or volume of the suspected leak. As of October 16, 2025, inspections have not confirmed the presence of an active leak, nor has a quantifiable flow rate been established. Notably, the volume within the secondary containment has remained stable. All fuel/sheen is contained within the secondary containment. A follow up report was submitted on October 25.

Figure 3.1 2025 Reported and Non-Reported Spills

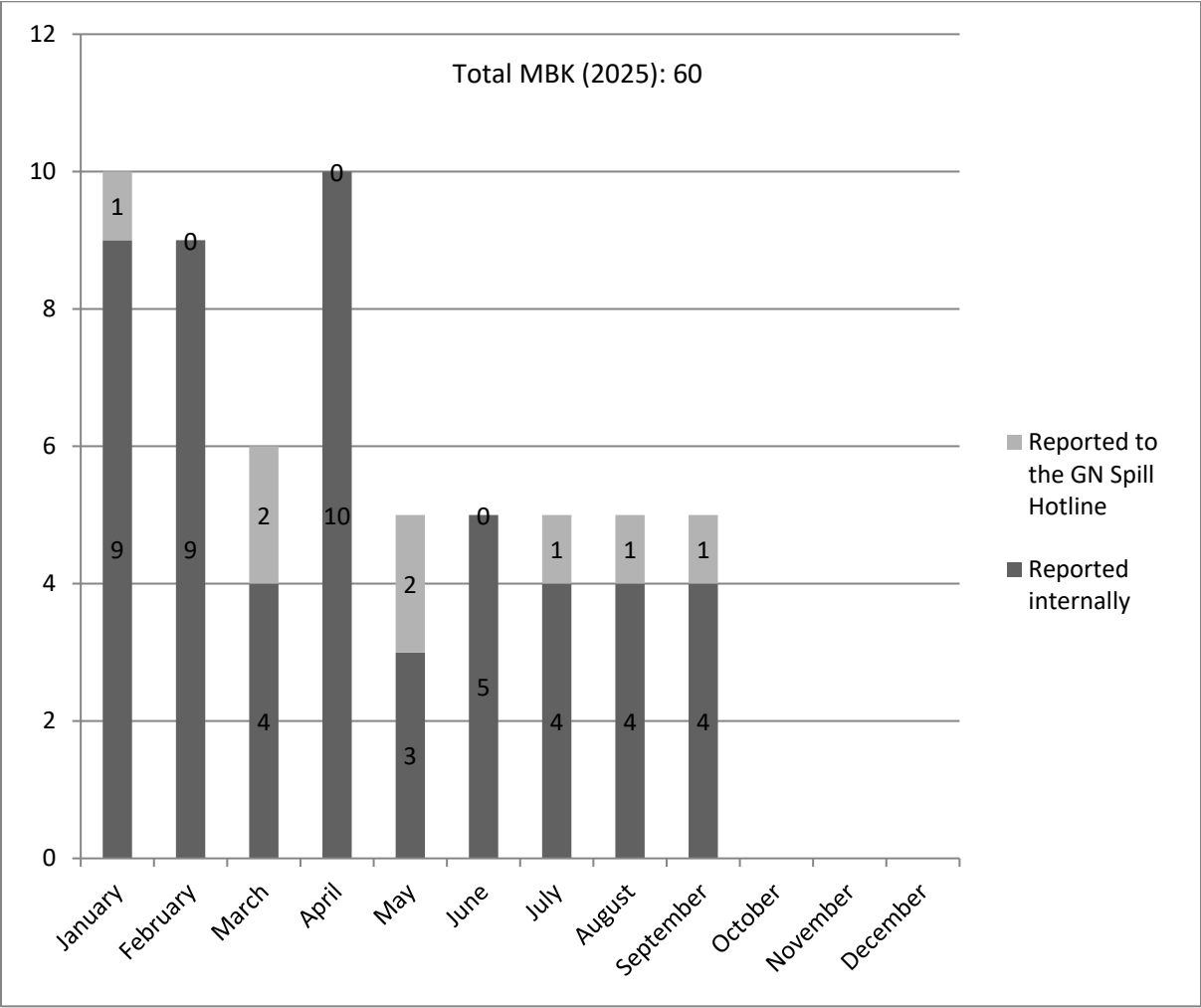


Table 3.1: Summary of Agnico Eagle Internal and Reported Spill Reports, September 2025

Date of Spill	Hazardous Material	Quantity	Units	Location	Cause of spill	Clean-up action taken
9/2/2025	Diesel Fuel	80	L	Near Vault Attenuation Pond	Human error	The pump was immediately stopped, and an excavator and a vacuum truck were sent to clean up the contaminated material. Due to the proximity of the attenuation pond, maritime barriers were deployed along the shore as a precaution. No sheen was observed outside of the barriers, within the pond. Contaminated material and water were collected and disposed of at the Meadowbank Complex, ~265 m ³ of water was pumped and brought to the tailings for disposal. ~3 m ³ of contaminated material was collected and brought to the Meadowbank Landfarm. Pumping operations were continued as a precaution until confirmatory samples results were received.
9/8/2025	Hydraulic Oil	50	L	Winter Parking	Equipment failure	Absorbent pads used. Contaminated material was picked up and disposed in the yellow bin.
9/10/2025	Transmission Fluid	5	L	Winter Parking	Mechanical Failure	Contaminated soil was picked up and disposed in the yellow bin.
9/17/2025	Glycol	1	L	Warehouse	Equipment failure	The contaminated material was collected and disposed in the roll-off bin to be disposed off at the Meadowbank Tailings Storage Facility.
9/18/2025	Diesel Fuel	5	L	Near Vault Attenuation Pond	Human error	Absorbent pads used. Contaminated material was picked up and disposed in the yellow bin.

3.1 KM 87 SPILL FOLLOW UP

In September, Agnico Eagle completed inspections at KM87 spill areas. A total of 1,920 m³ 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	9/1/2025	9/9/2025	9/15/2025	9/22/2025	9/28/2025
pH	pH units	7.91	7.10	6.75	6.86	7.31
TSS	mg/L	3	3	2	4	4
Total oil and grease	mg/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzene	mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Ethylbenzene	mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Toluene	mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Xylenes	mg/L	< 0.00040	< 0.00040	< 0.00040	< 0.00040	< 0.00040
m,p-Xylenes	mg/L	< 0.00040	< 0.00040	< 0.00040	< 0.00040	< 0.00040
o-Xylene	mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
F2 (C10-C16)	mg/L	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
F3 (C16-C34)	mg/L	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
F4 (C34-C50)	mg/L	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Petroleum Hydrocarbons F (C10-C50)	mg/L	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2