

MEADOWBANK COMPLEX

Monitoring Program Summary Report

December 2022

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SECTION 1 • BACKGROUND

On May 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 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 | April | May | June | |
|-----------------------------|--------------------|---------|---------|---------|---------|---------|---------|--|
| Camp | Third Portage Lake | 2,500 | 2,859 | 2,954 | 3,071 | 3,200 | 2,927 | |
| Mill (freshwater tank) | Third Portage Lake | 49,833 | 210,782 | 137,225 | 56,862 | 52,816 | 73,494 | |
| Emulsion plant | Unnamed Lake | 48 | 14 | 89 | 64 | 36 | 13 | |
| Total Freshwater Usage (m³) | | 52,381 | 213,655 | 140,268 | 59,997 | 56,052 | 76,434 | |
| Ore Water (m³) | Ore | 1,927 | 3,310 | 4,302 | 4,572 | 3,948 | 2,581 | |
| Reclaim Water Usage (m³) | Tailings Pond | 266,541 | 72,375 | 214,517 | 249,495 | 240,145 | 250,371 | |

| Water Location | Source Lake | July | July Aug Sept Oct | | Nov | Dec | Total | |
|--|---|--------|-------------------|-----------|---------|--------|--------------|-----------|
| Camp | Third Portage Lake | 3,082 | 3,047 | 2,982 | 3,074 | 3,040 | 3,030 | 35,766 |
| Mill (freshwater tank) | Third Portage Lake | 70,603 | 77,975 | | 993,805 | | | |
| Emulsion plant | Unnamed Lake | 0 | 0 | 0 | 0 | 0 | 0 264 | |
| Total Freshwater Usage (m ³) | | 73,685 | 81,022 | 81,367 | 64,236 | 66,647 | 64,091 | 1,029,835 |
| Ore Water (m³) | Ore | 2,453 | 1,971 | 2,644 | 3,795 | 5,778 | 5,203 | 42,484 |
| Reclaim Water Usage (m³) | le (m³) Tailings Pond 280,756 267,093 256,410 249,390 275,539 | | 265,378 | 2,888,011 | | | | |

2.2 WASTE ROCK STORAGE FACILITY SEEPAGE

In December, 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 December, 19,100 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 December, 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 December.

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 December, no water was pumped from the Stormwater Management pond to Portage Pits.

Table 2.6.1: Seprotech Effluent Results

| Parameters | Units | December 6, 2022 |
|--|------------|------------------|
| Unionized Ammonia (NH ₃) | mg N/L | 0.15 |
| Ammonia-Nitrogen (NH ₃ -NH ₄) | mg N/L | 36 |
| Total Kjeldahl Nitrogen | mg N/L | 34 |
| BOD-5 | mg/L | 39 |
| COD | mg/L | 96 |
| Total Suspended Solids | mg/L | 64 |
| Nitrate | mg N/L | 7.28 |
| Nitrite | mg N/L | 1.68 |
| pH* | Units | 7.00 |
| Fecal Coliform | UFC/100 mL | 80 |
| Total Coliform | UFC/100 mL | 200 |

^{*}Parameter measured by STP operators

Table 2.6.2: LJ-Mix Effluent Results

| Parameters | Units | December 6, 2022 |
|--|------------|------------------|
| Unionized Ammonia (NH ₃) | mg N/L | 0.061 |
| Ammonia-Nitrogen (NH ₃ -NH ₄) | mg N/L | 23 |
| Total Kjeldahl Nitrogen | mg N/L | 25 |
| BOD-5 | mg/L | 43 |
| COD | mg/L | 47 |
| Total Suspended Solids | mg/L | 6 |
| Nitrate | mg N/L | 29.4 |
| Nitrite | mg N/L | 0.148 |
| pH* | Units | 6.80 |
| Fecal Coliform | UFC/100 mL | 5 |
| Total Coliform | UFC/100 mL | < 100 |

^{*}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 from December 1st to December 31st, a total of 8,753 m³ was discharged.

Four (4) weekly effluent samples were collected at ST-8 in December 2022. 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 December are provided in Table 2.9.1 below.

Table 2.9:1 East Dike Seepage Results for TSS

| Parameter | Unit | Sample Date | | | | Monthly |
|------------------------|-------|-------------|------------|------------|------------|---------|
| i arameter | Oilit | 12/6/2022 | 12/12/2022 | 12/19/2022 | 12/27/2022 | Average |
| Total Suspended Solids | mg/L | 4 | 3 | 5 | 7 | 4.75 |

Monthly sampling pursuant to the Water License was also conducted at ST-8 in December. The results are shown in Table 2.9.2 below. There were no exceedances of MDMER criteria.

Table 2.9.2: December 2022 Monthly Monitoring Results

| Parameter | Unit | Sam | ple Date | Monthly |
|--------------------|-------|-----------|------------|---------|
| raiailletei | o iii | 12/6/2022 | 12/12/2022 | Average |
| pH* | - | 7.49 | 8.24 | 7.87 |
| Aluminum | mg/L | 0.0591 | 0.0494 | 0.0543 |
| Sulphate | mg/L | 6.6 | 6.2 | 6.4 |
| Arsenic | mg/L | 0.00120 | 0.00112 | 0.00116 |
| Copper | mg/L | 0.00165 | 0.00115 | 0.00140 |
| Nickel | mg/L | < 0.0010 | < 0.0010 | 0.0005 |
| Lead | mg/L | < 0.00020 | < 0.00020 | 0.00010 |
| Zinc | mg/L | < 0.0050 | < 0.0050 | 0.0025 |
| Radium 226 | mg/L | < 0.0050 | 0.0090 | 0.0058 |
| Total Cyanide | mg/L | < 0.00050 | 0.00060 | 0.00043 |
| Turbidity* | NTU | 3.10 | 2.55 | 2.83 |
| Un-Ionized Ammonia | mg/L | < 0.00040 | < 0.00074 | 0.00029 |

^{*} 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 December 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 Pit E 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 December.

Four (4) 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.

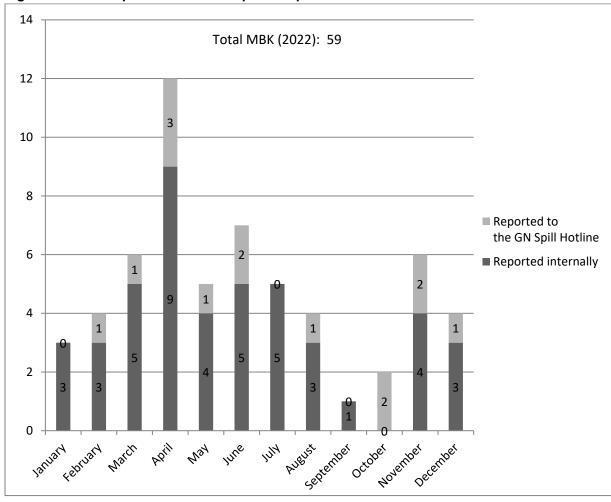


Figure 3.1 2022 Reported and Non-Reported Spills

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

| Date of Spill | Hazardous Material | Qty | Units (L / Kg) | Location | Cause of spill | Clean-up action taken |
|---------------|-----------------------|-----|-------------------|---------------------------|-------------------|--|
| 12/4/2022 | Hydraulic Oil | 75 | L | AWAR Quarry 22 | Equipment failure | Contaminated soil was collected and brought to the landfarm for disposal. |
| 12/8/2022 | Hydraulic Oil | 15 | L | AWAR KM 95 | Equipment failure | Contaminated soil was collected and brought to the tailings storage facility for disposal. |
| 12/10/2022 | Waste Oil | 20 | L | Site Services Coverall | Punctured tote | Oil rags and contaminated gravel was brought to landfarm for disposal. |
| 12/23/2022 | Glycol | TBD | L | Warehouse Dome | Damaged Pipe | The adjacent corridor that connects the camp facilities to the warehouse was dismantled to prevent the propagation of the fire to the campsite causing the glycol present in the heating system to leak onto the ground of the pad. The contaminated material will be collected and brought to the Meadowbank tailing storage facility once the scene is unfrozen. |