



WHALE TAIL PROJECT

Monitoring Program Summary Report

May 2020

Type A Water License 2AM-WTP1830

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SECTION 1 • BACKGROUND

On May 13, 2020, Agnico received the minister approval for the Water License 2AM-WTP1830 Amendment No.1. 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 22 of Type A Water License 2AM-WTP1830, this report documents the water management and monitoring activities at the mine site for the month. This includes water usage, water and seepage monitoring around site, sewage treatment plant discharge, Whale Tail North Basin dewatering, Whale Tail Attenuation Pond discharge and Whale Tail South Basin water transfer.

In addition, a summary of spills/actions for the month is reported.

SECTION 2 • WATER MANAGEMENT

2.1 WATER USAGE

Fresh water usage for May is summarized in Table 2.1 below

Table 2.1: May 2020 – Freshwater Consumption

| Water Location | Source Lake | Jan | Feb | March | April | May | Total |
|---|------------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Camp | Nemo | 2 062 | 2 184 | 2 317 | 1 485 | 1 845 | 9 893 |
| Construction/Operation | Nemo | 1 518 | 1 840 | 1 284 | 879 | 1 967 | 7 488 |
| Dust Suppression | Nemo / WTHR Pond | 0 | 0 | 0 | 0 | 0 | 0 |
| Explosive | Mammoth Lake | 0 | 0 | 0 | 0 | 0 | 0 |
| Drilling | Proximal Sources | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Freshwater Usage (m³) | | 3 579 | 4 024 | 3 601 | 2 364 | 3 812 | 17 381 |

2.2 LAKE WATER MONITORING

Lake around the Whale Tail Project were monitored on a monthly basis during the open water season. In May, no monthly samples were taken at Lake A47 (ST-WT-6), Lake A45 (ST-WT-13), Lake A16 (ST-WT-14) and Lake A15 (ST-WT-15) due to freezing conditions.

2.3 WHALE TAIL DIKE SEEPAGE MONITORING

In May, seepage at the toe of Whale Tail dike. Seepage was estimated in average at 170 m³/h based on pumping rate.

Agnico continue to manage water from WTD seepage as part of the dewatering of the Whale Tail North Basin until May 15 and was monitored for Water License 2AM-WTP1830 Part D Item 8. Refer to Section 2.5 below for the water quality monitoring results. On May 20, the Whale Tail dewatering was completed and seepage water was treated as part of the Whale Tail Attenuation Pond.

Seepage water quality is also monitored as per the requirement of the Water License. The sampling station is named ST-WT-17 and is sampled on a monthly basis for Group 1.

2.4 SEWAGE TREATMENT PLANT

Effluent from the sewage treatment plan is discharged to the Whale Tail Attenuation Pond. As per Water License Schedule I Sampling Station ST-WT-11, effluent is to be sample four time per calendar year. Agnico is currently sampling the STP minimally on a monthly basis and thus sample was taken in May. A total of 1,775 m³ was discharged during the month.

2.5 WHALE TAIL NORTH BASIN DEWATERING

As describe in Section 2.3 above, Agnico has discharged the Whale Tail Dike (WTD) seepage as part of the Whale Tail North Dewatering to Whale Tail South Basin (ST-DD-7). Water discharge was from May 7 to 15. A total volume of 55,641 m³ was discharged in May. The dewatering of the Whale Tail North Basin was completed on May 15.

No dewatering of the Whale Tail North Basin to Mammoth Lake (ST-DD-9), via the temporary diffuser, in May.

As per Water License Part D Item 7, the effluent from Whale Tail North dewatering, either to Whale Tail South or Mammoth Lake shall not exceed the following quality limits:

| Parameter | Maximum Monthly Mean | Short Term Maximum |
|------------------------|----------------------|--------------------|
| Total Suspended Solids | 15.0 mg/L | 22.5 mg/L |
| Turbidity | 15 NTU | 30 NTU |
| pH | 6.0 to 9.0 | 6.0 to 9.0 |
| Total Aluminum | 1.5 mg/L | 3.0 mg/L |

The pH and Aluminum concentrations were as follows for ST-DD-7:

- pH 24 hour minimum/maximum: 6.91 / 7.27 (Limit is 6-9 units)
- pH 30 days minimum/maximum: 7.00 / 7.02 (Limit is 6-9 units)
- Al 24 hour maximum concentration: 0.026 mg/L (Limit is 3.0 mg/L)
- Al 30 days maximum concentration: 0.013 mg/L (Limit is 1.5 mg/L)

The turbidity and Total Suspended Solids (TSS) concentrations were as follows:

- NTU 24 hour maximum concentration: 2.74 NTU (Maximum Limit is 30 NTU)
- NTU 30 days mean maximum concentration: 1.22 NTU (Maximum Limit is 15 NTU).
- TSS 24 hour maximum concentration: 4 mg/L (Maximum Limit is 22.5 mg/L)
- TSS 30 days mean maximum concentration: 2.38 mg/L (Maximum Limit is 15 mg/L)

Table 2.5.1 summarizes the dewatering monitoring results for pH, aluminum, turbidity and TSS for the month. No non-compliance was observed in May.

Table 2.5.1: Whale Tail North Basin Dewatering Monitoring ST-DD-7

| Date | ST-DD-7 | | | | License Requirement | | | |
|------------|------------------------|------------------|-----------------|-----------------------|---------------------|-----------------|----------------|----------------|
| | Turbidity ¹ | TSS ² | pH ¹ | Total Al ² | NTU 30-day Mean | TSS 30-day Mean | pH 30-day Mean | Al 30-day Mean |
| | NTU | mg/L | | mg/L | 15 | 15 | 6.0 - 9.0 | 3 |
| 01-05-2020 | No discharge | | | | 1.13 | 2.79 | 7.02 | |
| 02-05-2020 | No discharge | | | | 1.15 | 2.31 | 6.99 | |
| 03-05-2020 | No discharge | | | | 1.15 | 2.31 | 6.99 | |
| 04-05-2020 | No discharge | | | | 1.15 | 2.42 | 6.98 | |
| 05-05-2020 | No discharge | | | | 1.15 | 2.42 | 6.98 | |

| | | | | | | | | |
|--|--------------|------|------|------|------|------|------|-------|
| 06-05-2020 | No discharge | | | | 1.15 | 2.42 | 6.98 | |
| 07-05-2020 | 0.73 | 1.12 | 2.38 | 7.00 | 1.12 | 2.38 | 7.00 | 0.012 |
| 08-05-2020 | 1.14 | 1.12 | 2.29 | 7.02 | 1.12 | 2.29 | 7.02 | |
| 09-05-2020 | 1.08 | 1.12 | 2.20 | 7.02 | 1.12 | 2.20 | 7.02 | |
| 10-05-2020 | 0.96 | 1.11 | 2.09 | 7.02 | 1.11 | 2.09 | 7.02 | |
| 11-05-2020 | 1.18 | 1.11 | 2.00 | 7.01 | 1.11 | 2.00 | 7.01 | 0.010 |
| 12-05-2020 | 1.02 | 1.11 | 2.00 | 7.01 | 1.11 | 2.00 | 7.01 | |
| 13-05-2020 | 1.61 | 1.13 | 2.00 | 7.00 | 1.13 | 2.00 | 7.00 | |
| 14-05-2020 | 1.30 | 1.14 | 2.10 | 7.00 | 1.14 | 2.10 | 7.00 | 0.013 |
| 15-05-2020 | 2.74 | 1.22 | 2.19 | 7.00 | 1.22 | 2.19 | 7.00 | |
| 1 - Measures taken in the field | | | | | | | | |
| 2- Results from the certified laboratory | | | | | | | | |
| Half-detection limit use in the mean calculation | | | | | | | | |

2.6 WHALE TAIL ATTENUATION POND

Water from the Whale Tail Attenuation Pond started to be discharged to Mammoth Lake in one of the two diffuser from May 20 to May 29. Water was treated by the Water Treatment Plan before discharge.

Water was also sent back to Whale Tail South from May 29 to May 31. Water was treated by the Water Treatment Plan before discharge.

As per Water License Part F Item 5, the effluent from this discharge shall not exceed the limits detailed in Table 2.6.1 and 2.6.2 below. No non-compliance observed during the month of May related to this discharge to the receiving environment.

Table 2.6.1: Whale Tail Attenuation Pond Discharge to Mammoth Lake (ST-WT-2)

| Parameter | Maximum Authorized Concentration Grab Sample | Maximum Authorized Monthly Mean Concentration | Unit | Sample Date |
|------------------------------------|--|---|----------|-------------|
| | | | | 2020-05-25 |
| Field Measured | | | | |
| pH | 6.0 - 9.5 | 6.0 - 9.5 | pH units | 7.22 |
| Conventional Parameters | | | | |
| Total suspended solids | 30 | 15 | mg/L | 8 |
| Nutrients | | | | |
| Total phosphorus | 0.6 | 0.3 | mg/L | 0.01 |
| Total ammonia (NH3-N) | 32 | 16 | mg/L | 2.01 |
| General Organics | | | | |
| Total Petroleum hydrocarbons (TPH) | 6 | 3 | mg/L | <0.1 |

| Total Metals | | | | |
|--------------|-------|-------|------|----------|
| Aluminum | 1 | 0.5 | mg/L | 0.056 |
| Arsenic | 0.2 | 0.1 | mg/L | 0.0072 |
| Cadmium | 0.004 | 0.002 | mg/L | 0.00002 |
| Chromium | 0.04 | 0.02 | mg/L | 0.0018 |
| Copper | 0.2 | 0.1 | mg/L | 0.005 |
| Iron | 2 | 1 | mg/L | 0.77 |
| Lead | 0.1 | 0.05 | mg/L | <0.0003 |
| Mercury | 0.008 | 0.004 | mg/L | <0.00001 |
| Nickel | 0.5 | 0.25 | mg/L | 0.0073 |
| Zinc | 0.2 | 0.1 | mg/L | 0.004 |

Table 2.6.2: Whale Tail Attenuation Pond Discharge to Whale Tail South (ST-WT-24a)

| Parameter | Maximum Authorized Concentration Grab Sample | Maximum Authorized Monthly Mean Concentration | Unit | Sample Date |
|------------------------------------|--|---|----------|-------------|
| | | | | 2020-05-29 |
| Field Measured | | | | |
| pH | 6.0 - 9.5 | 6.0 - 9.5 | pH units | 7 |
| Conventional Parameters | | | | |
| Total suspended solids | 30 | 15 | mg/L | 14 |
| Nutrients | | | | |
| Total phosphorus | 0.6 | 0.3 | mg/L | 0.02 |
| Total ammonia (NH3-N) | 32 | 16 | mg/L | 2.6 |
| General Organics | | | | |
| Total Petroleum hydrocarbons (TPH) | 6 | 3 | mg/L | <0.1 |
| Total Metals | | | | |
| Aluminum | 1 | 0.5 | mg/L | 0.028 |
| Arsenic | 0.2 | 0.1 | mg/L | 0.0037 |
| Cadmium | 0.004 | 0.002 | mg/L | <0.00002 |
| Chromium | 0.04 | 0.02 | mg/L | 0.0009 |
| Copper | 0.2 | 0.1 | mg/L | 0.0043 |
| Iron | 2 | 1 | mg/L | 0.71 |
| Lead | 0.1 | 0.05 | mg/L | <0.0003 |
| Mercury | 0.008 | 0.004 | mg/L | <0.00001 |
| Nickel | 0.5 | 0.25 | mg/L | 0.0105 |
| Zinc | 0.2 | 0.1 | mg/L | 0.009 |

2.7 WHALE TAIL SOUTH WATER TRANSFER

No water transfer between Whale Tail South to Mammoth Lake in May.

SECTION 3 • SPILL MANAGEMENT

Figure 3.1 shows reported and non-reported spills for 2020 broken down per month and Table 3.1 summarizes Agnico Eagle spill reports for May.

All spills reported internally (22) were managed appropriately on site according to Agnico's spill contingency plan. Six (6) spills were reported to regulators in May. 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. There was no off site impact to any watercourses.

Figure 3.1 2020 Reported and Non-Reported Spills

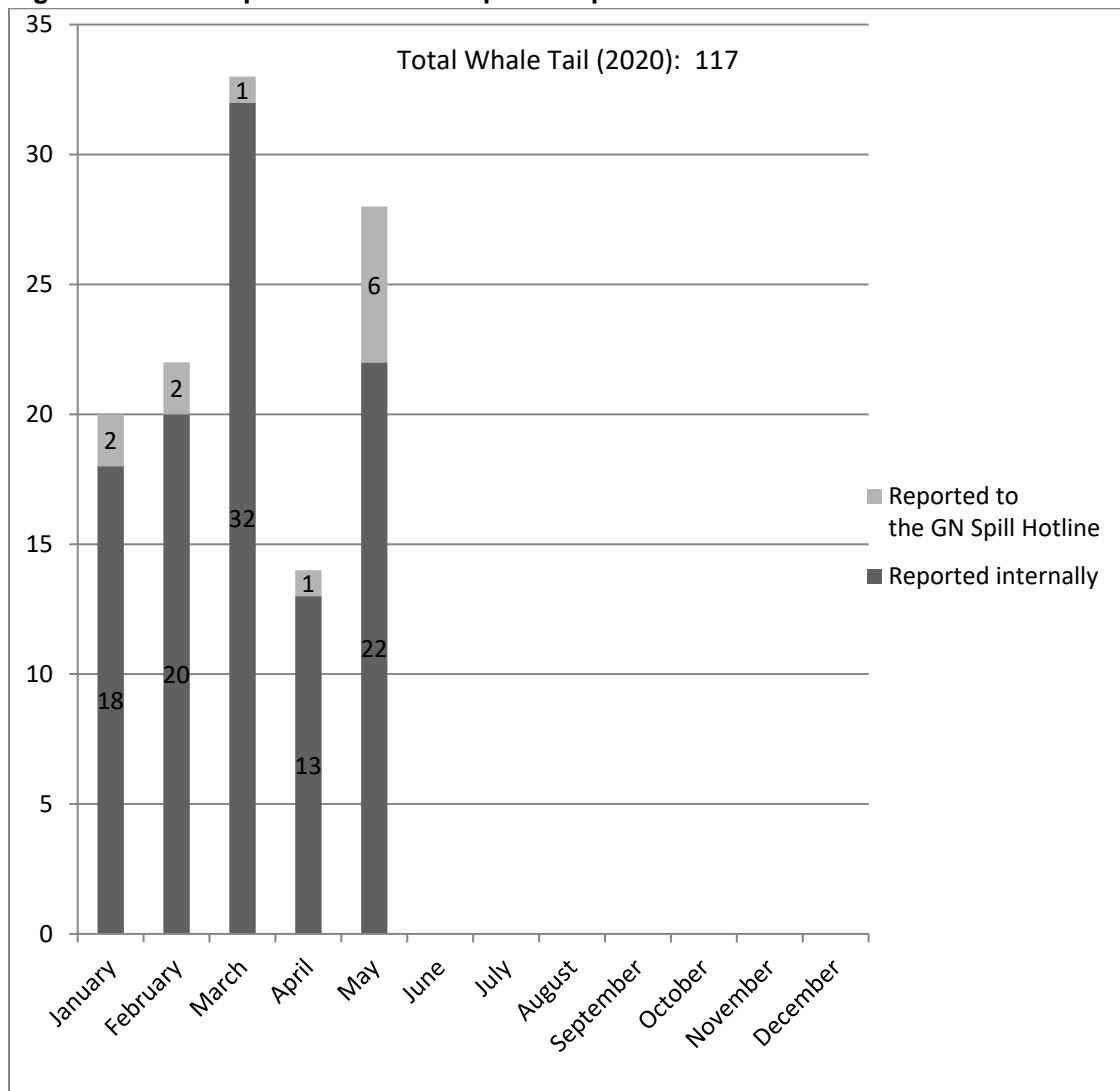


Table 3.1: Summary of Agnico Eagle Internal and Reported Spill Reports, May 2020

| Date of Spill | Hazardous Material | Qty | Units (L / Kg) | Location | Cause of spill | Clean-up action taken |
|---------------|--------------------|-----|----------------|-------------------------|--------------------------|---|
| May 6, 2020 | Hydraulic Oil | 400 | L | Phase 3 Pit | Hydraulic fan failure | All contaminated material collected and brought to the Meadowbank land farm. |
| May 6, 2020 | Hydraulic Oil | 5 | L | WT Pit | Hydraulic hose failure | Contaminated soil picked up and disposed of appropriately in the petroleum bin |
| May 8, 2020 | Hydraulic Oil | 10 | L | Phase 2 Pit | Hydraulic hose failure | Mechanics repaired equipment. Contaminated soil picked up and disposed of appropriately in the yellow bin |
| May 8, 2020 | Coolant | 150 | L | PAD C (ore pad) | Coolant hose failure | Mechanics repaired equipment. All contaminated material will be collected and brought to the Meadowbank Tailings Pond. |
| May 8, 2020 | Hydraulic Oil | 25 | L | Road 7 and Phase 2 ramp | Hydraulic hose failure | Contaminated soil picked up and disposed of appropriately in the petroleum bin |
| May 9, 2020 | Hydraulic Oil | 30 | L | Phase 1 Pit | Hydraulic hose failure | Mechanics repaired equipment. Contaminated soil picked up and disposed of appropriately in the petroleum bin |
| May 9, 2020 | Hydraulic Oil | 60 | L | Phase 1 Pit | Hydraulic hose failure | Contaminated soil picked up and disposed of appropriately in the yellow bin |
| May 9, 2020 | Hydraulic Oil | 10 | L | WT Pit | O'ring failure on bucket | Contaminated soil picked up and disposed of appropriately in the yellow bin |
| May 10, 2020 | Hydraulic Oil | 60 | L | Phase 3 Pit | Hydraulic hose failure | Once spill was detected, drill was pulled to the side and engine was turned off. Contaminated soil picked up and disposed of appropriately in the petroleum bin |

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|-----------------|----------------|----|---|----------------|--|---|
| May 11, 2020 | Hydraulic Oil | 10 | L | Phase 2 Pit | Hydraulic hose failure | The operator stop the engine right away and called the dispatch for the mechanic. Contaminated soil picked up and disposed of appropriately in the yellow bin |
| May 12, 2020 | Hydraulic Oil | 20 | L | Phase 2 Pit | Equipment failure | Called the dispatch for mechanic and stopped the engine to minimize the spill. Contaminated soil picked up and disposed of appropriately in the petroleum bin |
| May 12, 2020 | Hydraulic Oil | 25 | L | Phase 2 Pit | Equipment failure | Contaminated soil picked up and disposed of appropriately in the petroleum bin |
| May 13, 2020 | Diesel | 40 | L | WT Pit | Diesel hose failure | Equipment repaired. Contaminated soil picked up and disposed of appropriately in the petroleum bin |
| May 13, 2020 | Diesel | 10 | L | WT Pit | Unknown | Contaminated soil picked up and disposed of appropriately in the petroleum bin |
| May 14, 2020 | Diesel | 20 | L | WT Pit | Fuel spill either from failure of backflow preventer or nozzle on fuel truck | Contaminated soil picked up and disposed of appropriately in the petroleum bin |
| May 15, 2020 | Coolant | 10 | L | Office Parking | Equipment failure | Contaminated soil picked up and disposed of appropriately |
| May 15, 2020 | Compressor Oil | 5 | L | WT Pit | Compressor oil started coming out of the bit | Drill was shut down, absorb pads were laid down and mechanic was called. Contaminated soil picked up and disposed of appropriately in the yellow bin |
| May 17, 2020 | Hydraulic Oil | 2 | L | WT Pit | Little pin hole in rotation hose | Stopped drilling and called mechanics for repairs. Contaminated soil picked up and disposed of |

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|--------------|------------------|-----|---|--------------------|---------------------------------|--|
| | | | | | | appropriately in the yellow bin |
| May 17, 2020 | Engine Oil | 250 | L | SANA Garage | Damaged tote while transporting | A loader cleaned the area. All contaminated soil brought to the Meadowbank land farm. |
| May 19, 2020 | Hydraulic Oil | 5 | L | WT Pit | Hydraulic hose failure | Stopped drilling and called mechanics for repairs. Contaminated soil picked up and disposed of appropriately in the yellow bin |
| May 19, 2020 | Hydraulic Oil | 125 | L | Road 3 Phase 3 Pit | Seal failure | The operator immediately stopped the equipment. All contaminated material will be collected and brought to the Meadowbank land farm. |
| May 20, 2020 | Coolant | 70 | L | Bottom Phase 3 Pit | Coolant hose failure | Stopped equipment and called mechanics for repairs. Contaminated soil picked up and disposed of appropriately in the yellow bin |
| May 21, 2020 | Hydraulic Oil | 15 | L | WT Pit | O'ring failure | Contaminated soil picked up and disposed of appropriately in the yellow bin |
| May 21, 2020 | Hydraulic Oil | 200 | L | WT Pit | Equipment failure | The operator stopped the equipment. All contaminated material will be collected and brought to the Meadowbank land farm. |
| May 22, 2020 | Transmission Oil | 45 | L | Phase 3 Pit | Transmission hose failure | Stopped equipment and called mechanics for repairs. Contaminated soil picked up and disposed of appropriately in the yellow bin |
| May 28, 2020 | Hydraulic Oil | 4 | L | Below 260-02 | Hydraulic hose failure | Contractor shut off equipment and put down spill pads. Contaminated material disposed in quatrex bags |

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|-----------------|---------------|-----|---|------------------------|-------------------|---|
| May 29, 2020 | Diesel | 200 | L | AMQ Retorque pad | Fuel tank failure | Approximately 2m3 of contaminated material was collected and will be brought to the Meadowbank land farm. |
| May 30, 2020 | Hydraulic Oil | 25 | L | WT Pit | O'ring failure | Contaminated soil picked up and disposed of appropriately in the petroleum bin |