



WHALE TAIL MINE

Monitoring Program Summary Report

May 2023

Type A Water License 2AM-WTP1830

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SECTION 1 • BACKGROUND

On May 13, 2020, Agnico received the minister's 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 Mine.

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 and Attenuation Pond discharge.

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	Total
Camp	Nemo	3,615	3,547	3,749	3,453	3,381	17,745
Construction/Operation	Nemo	3,754	3,618	3,264	3,007	2,521	16,164
Dust Suppression	WTHR Pond	0	0	0	0	350	350
Explosive	Mammoth Lake	0	0	0	0	0	0
Drilling	Proximal Sources	0	0	0	0	0	0
Total Freshwater Usage (m³)		7,369	7,165	7,013	6,460	6,252	34,259

2.2 LAKE WATER MONITORING

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

2.3 WHALE TAIL SOUTH CHANNEL

The Whale Tail South Channel was operational in May. An estimated 659,278 m³ of water flowed from Whale Tail South Basin to Mammoth Lake. No water quality concerns were observed.

2.4 WHALE TAIL DIKE SEEPAGE MONITORING

Seepage at the toe of Whale Tail dike (WTD) was still observed during the month. Agnico continues to manage seepage water from WTD as part of the Whale Tail Attenuation Pond.

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

2.5 SEWAGE TREATMENT PLANT

Effluent from the sewage treatment plant (STP) is discharged to the IVR Attenuation Pond. As per Water License Schedule I Sampling Station ST-WT-11, effluent is to be sampled four times per calendar year. Agnico is currently sampling the STP monthly and thus a sample was taken in May. A total of 3,122.3 m³ was discharged during the month.

2.6 WHALE TAIL/IVR ATTENUATION PONDS

Water from the IVR Attenuation Pond was discharged during the month of May in Whale Tail South. Discharge in Whale Tail South Permanent Diffusor was from May 10th to 22nd. Water

was treated by the Water Treatment Plan before discharge. A total of 333,102 m³ was discharged to Whale Tail South.

As per Water License Part F Item 5, the effluent from this discharge shall not exceed the limits detailed in Table 2.6.1 below. No non-compliance observed during the month of May related to these discharges to the receiving environment. There were no exceedances of Water License or MDMER limits during the month.

Table 2.6.1: IVR Attenuation Pond Discharge to Whale Tail South Permanent Diffusor (ST-WT-24)

Parameter	Maximum Authorized Concentration Grab Sample	Maximum Authorized Monthly Mean Concentration	Unit	Sample Date			Monthly Average
				5/10/2023	5/15/2023	5/22/2023	
Field Measured							
pH	6.0 - 9.5	6.0 - 9.5	pH units	6.50	6.63	7.09	6.74
Conventional Parameters							
Total suspended solids	30	15	mg/L	< 1	1	< 1	0.7
Nutrients							
Total phosphorus	0.6	0.3	mg P/L	0.0030	0.0010	0.0021	0.0020
Ammonia nitrogen (NH3-N)	32	16	mg N/L	1.00	0.73	0.77	0.83
General Organics							
Total petroleum hydrocarbons	6	3	mg/L	< 0.2	< 0.2	< 0.2	0.1
Total Metals							
Aluminum	1	0.5	mg/L	0.0101	0.0257	0.0105	0.0154
Arsenic	0.2	0.1	mg/L	0.00112	0.00272	0.00208	0.00197
Cadmium	0.004	0.002	mg/L	0.000020	0.000012	< 0.000010	0.000012
Chromium	0.04	0.02	mg/L	< 0.0010	< 0.0010	< 0.0010	0.0005
Copper	0.2	0.1	mg/L	0.00073	0.00053	0.00082	0.00069
Iron	2	1	mg/L	0.218	0.312	0.218	0.249
Lead	0.1	0.05	mg/L	< 0.00020	< 0.00020	< 0.00020	0.00010
Mercury	0.008	0.004	mg/L	< 0.00001	< 0.00001	< 0.00001	0.000005
Nickel	0.5	0.25	mg/L	0.0080	0.0078	0.0101	0.0086
Zinc	0.2	0.1	mg/L	0.0109	0.0078	0.0083	0.0090

SECTION 3 • SPILL MANAGEMENT

Figure 3.1 shows reported and non-reported spills for 2023 broken down per month and Table 3.1 summarizes Agnico Eagle spill reports for May.

Twelve (12) spills occurred on site during the month with none (0) 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. There was no off-site impact to any watercourses.

Figure 3.1 2023 Reported and Non-Reported Spills

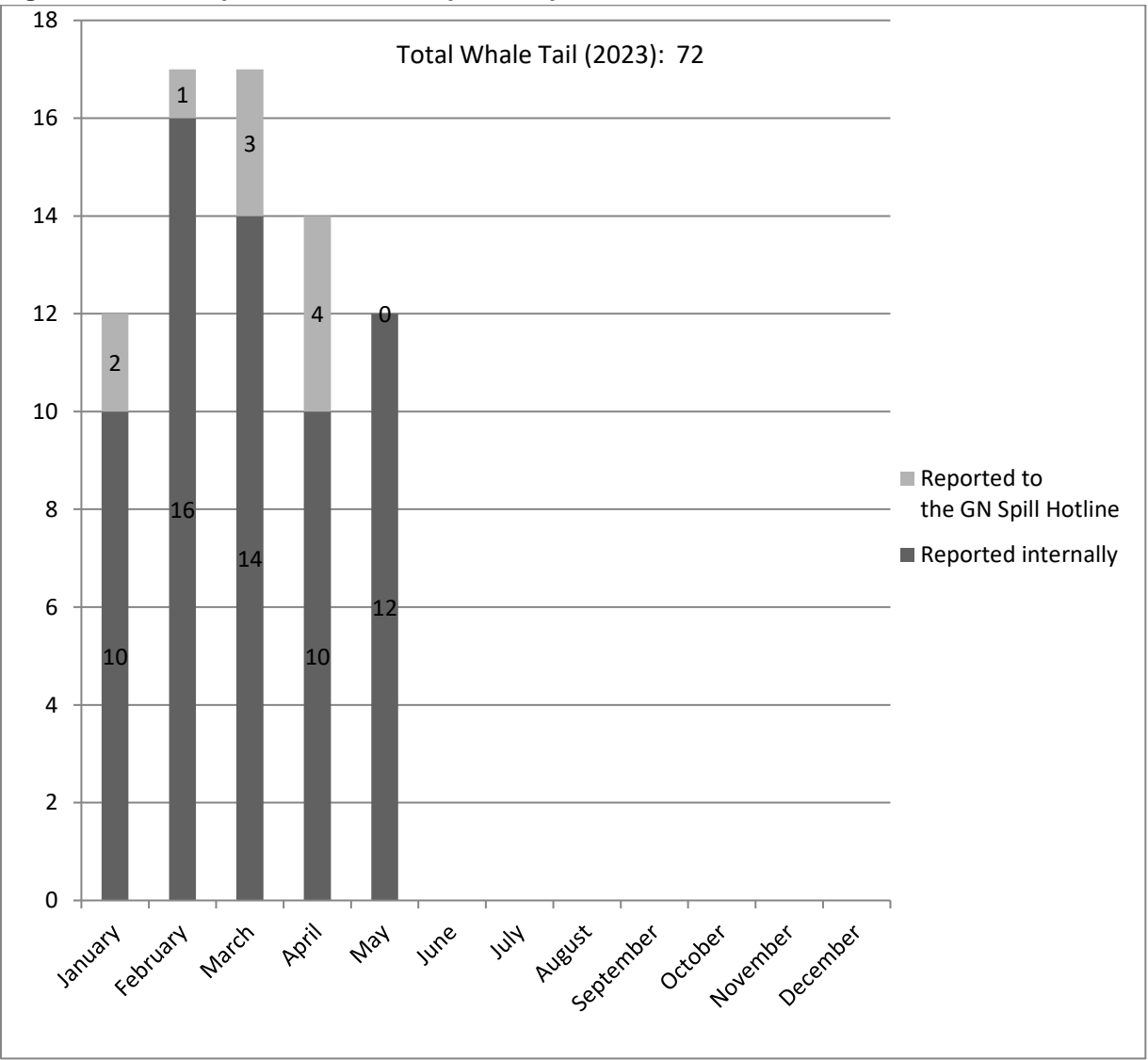


Table 3.1: Summary of Agnico Eagle Internal and Reported Spill Reports, May 2023

Date of Spill	Hazardous Material	Qty	Units (L / Kg)	Location	Cause of spill	Clean-up action taken
5/9/2023	Hydraulic Oil	50	L	Maintenance Pad	Equipment failure	Contaminated material picked up and disposed of appropriately. Absorbent pads used.
5/10/2023	Coolant	10	L	HazMat Storage Area	Improper storage	Contaminated soil was collected and brought to a yellow bin for disposal.
5/14/2023	Diesel Fuel	20	L	Between Powerhouse and Genset Fuel Farm	Equipment malfunction	Contaminated soil was collected and brought to a yellow bin for disposal.
5/16/2023	Coolant	20	L	Whale Tail Pit	Equipment failure	Contaminated soil was collected and brought to a yellow bin for disposal.
5/16/2023	Diesel Fuel	40	L	Underground Fuel Farm	Equipment malfunction	Contaminated soil was collected and brought to a yellow bin for disposal.
5/16/2023	Hydraulic Oil	50	L	WTHR KM 172	Equipment damage	Contaminated soil was collected and brought to a yellow bin for disposal.
5/23/2023	Hydraulic Oil	1	L	Tundra near Mammoth Dike	Unknown	Contaminated soil was collected and brought to a yellow bin for disposal.
5/25/2023	Hydraulic Oil	10	L	Pad C	Equipment failure	Contaminated soil was collected and brought to a yellow bin for disposal.
5/27/2023	Hydraulic Oil	20	L	Whale Tail Pit	Equipment failure	Contaminated soil was collected and brought to a yellow bin for disposal.
5/27/2023	Hydraulic Oil	10	L	Whale Tail Pit	Equipment failure	Contaminated soil was collected and brought to a yellow bin for disposal.
5/28/2023	Hydraulic Oil	15	L	Whale Tail Pit	Equipment failure	Contaminated soil was collected and brought to a yellow bin for disposal.
5/29/2023	Hydraulic Oil	20	L	Whale Tail WRSF	Equipment failure	Contaminated soil was collected and brought to a yellow bin for disposal.