



AGNICO EAGLE

WHALE TAIL PROJECT

Monitoring Program Summary Report

May 2022

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 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 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	2,022	2,819	3,084	3,162	3,265	14,352
Construction/Operation	Nemo	739	1,978	2,101	3,191	4,531	12,541
Dust Suppression	WTHR Pond	0	0	0	0	1,100	1,100
Explosive	Mammoth Lake	0	0	0	0	0	0
Drilling	Proximal Sources	0	0	0	0	0	0
Total Freshwater Usage (m³)		2,761	4,797	5,185	6,353	8,896	27,993

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 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 not operational in May due to freezing conditions.

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 3,212.3 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 Lake. Discharge to the Whale Tail South permanent diffuser was from May 22 to 31. Water was treated by the Water Treatment Plan before discharge. A total of 155,217 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. There were no exceedances of Water License or MDMER water quality limits during the month.

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

Parameter	Maximum Authorized Concentration Grab Sample	Maximum Authorized Monthly Mean Concentration	Unit	Sample Date		Monthly Average
				5/23/2022	5/30/2022	
Field Measured						
pH	6.0 - 9.5	6.0 - 9.5	pH units	6.87	6.73	6.80
Conventional Parameters						
Total suspended solids	30	15	mg/L	2	< 1	1.25
Nutrients						
Total phosphorus	0.6	0.3	mg P/L	0.0027	0.0076	0.0052
Total ammonia (NH3-N)	32	16	mg N/L	0.36	0.42	0.39
General Organics						
Total petroleum hydrocarbons	6	3	mg/L	< 0.2	< 0.2	0.1
Total Metals						
Aluminum	1	0.5	mg/L	0.0109	0.0088	0.0099
Arsenic	0.2	0.1	mg/L	0.00713	0.00544	0.00629
Cadmium	0.004	0.002	mg/L	0.000010	< 0.000010	0.000008
Chromium	0.04	0.02	mg/L	< 0.0010	< 0.0010	0.0005
Copper	0.2	0.1	mg/L	0.00101	0.00151	0.00126
Iron	2	1	mg/L	0.168	0.133	0.151
Lead	0.1	0.05	mg/L	< 0.00020	<0.00020	0.00010
Mercury	0.008	0.004	mg/L	< 0.00001	< 0.00001	0.000005
Nickel	0.5	0.25	mg/L	0.0257	0.0260	0.0259
Zinc	0.2	0.1	mg/L	0.0077	0.0085	0.0081

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 May.

Seventeen (17) spills occurred on site during the month with three (3) 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 2022 Reported and Non-Reported Spills

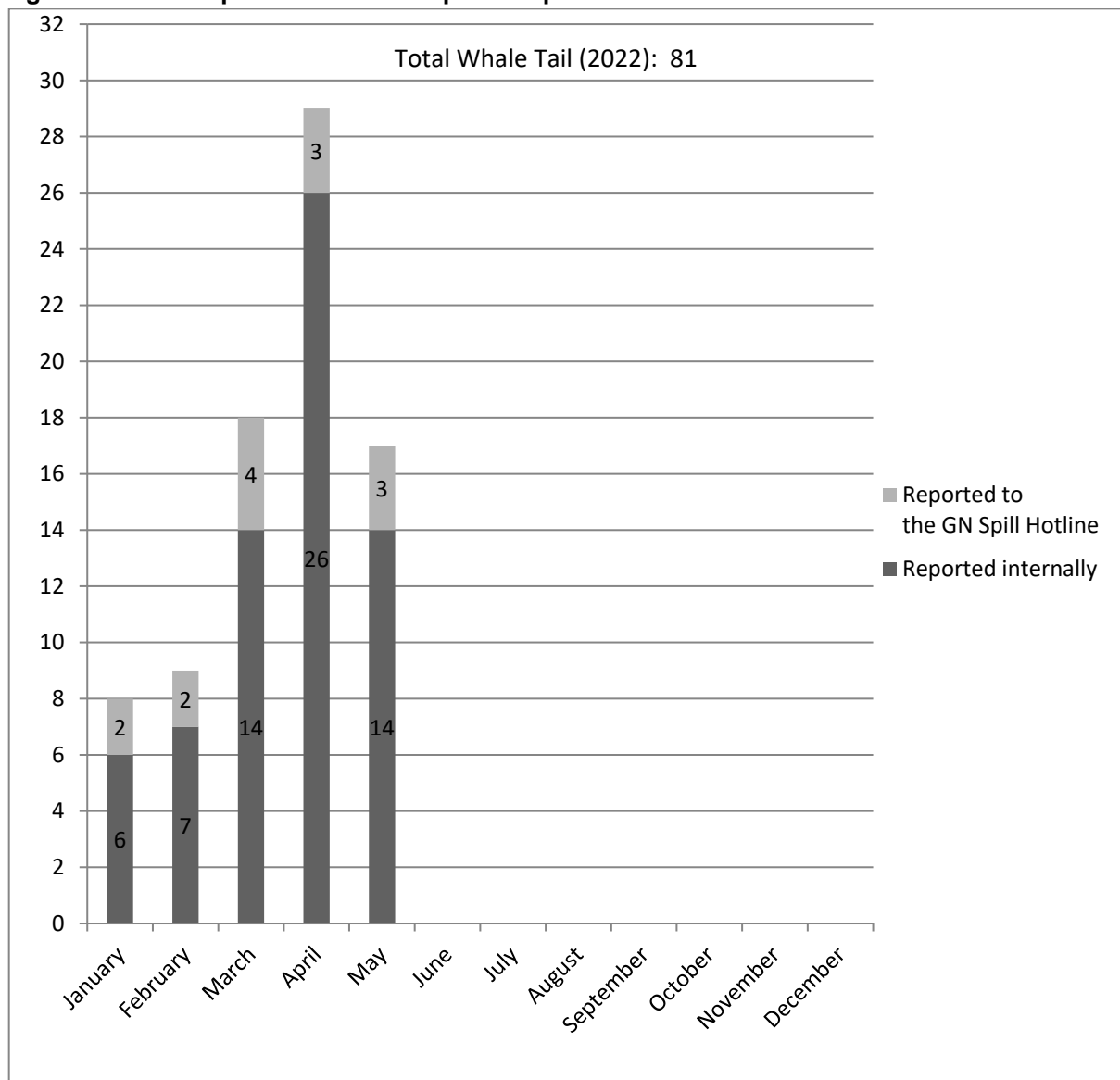


Table 3.1: Summary of Agnico Eagle Internal and Reported Spill Reports, May 2022

Date of Spill	Hazardous Material	Qty	Units (L / Kg)	Location	Cause of spill	Clean-up action taken
5/1/2022	Hydraulic Oil	300	L	IVR Pit Maintenance Pad	Damaged tote	The mechanics immediately stopped draining the hydraulic oil and placed down spill absorbent pads. Approximately 12 m ³ of contaminated material was excavated and brought to the contaminated soil bin to be disposed of at the Meadowbank Landfarm.
5/1/2022	Diesel Fuel	15	L	Underground Tank Farm	Equipment failure	Absorbent pads were used. Contaminated soil was collected and brought to a yellow bin for disposal.
5/2/2022	Coolant	10	L	WTHR KM 150 Quarry	Equipment failure	Contaminated soil was collected and brought to a yellow bin for disposal.
5/4/2022	Diesel Fuel	25	L	Fuel Farm	Equipment failure	Contaminated soil was collected and brought to a yellow bin for disposal.
5/6/2022	Hydraulic Oil	90	L	Road 7	Broken hydraulic hose	Contaminated soil was collected and brought to a yellow bin for disposal.
5/8/2022	Coolant	25	L	IVR Pit	Broken hydraulic hose	Contaminated soil was collected and brought to a yellow bin for disposal.
5/9/2022	Hydraulic Oil	40	L	Whale Tail Pit	Equipment failure	Contaminated soil was collected and brought to a yellow bin for disposal.
5/9/2022	Engine Coolant	12	L	WTHR KM 134.5	Equipment failure	Absorbent pads were used. Contaminated soil was collected and brought to a yellow bin for disposal.
5/10/2022	Coolant	45	L	Pad K	Equipment failure	Contaminated soil was collected and brought to a yellow bin for disposal.
5/15/2022	Hydraulic Oil	55	L	Underground 380 Level	Equipment failure	Contaminated soil was collected and brought to a yellow bin for disposal.
5/15/2022	Hydraulic Oil	45	L	Whale Tail Pit	Equipment failure	Contaminated soil was collected and brought to a yellow bin for disposal.
5/17/2022	Hydraulic Oil	400	L	Road 3	Broken hydraulic hose	The mechanics immediately placed a secondary containment under the truck and placed down spill absorbent pads. Approximately 10 m ³ of contaminated material was excavated and brought to the contaminated soil bin to be disposed of at the Meadowbank Landfarm

Date of Spill	Hazardous Material	Qty	Units (L / Kg)	Location	Cause of spill	Clean-up action taken
5/17/2022	Diesel Fuel	1100	L	Whale Tail Pit	Punctured fuel tank	A 45 g drum under the fuel tank to capture as much of the leaking fuel as possible. The environment department was then called to assess the spill. The spill occurred inside the pit footprint in an active mining area. Approximately 15m ³ of contaminated material was excavated and brought to the contaminated soil bin to be disposed of at the Meadowbank Landfarm
5/17/2022	Hydraulic Oil	90	L	Whale Tail Pit	Broken hydraulic hose	Contaminated soil was collected and brought to a yellow bin for disposal.
5/18/2022	Hydraulic Oil	50	L	Pad K	Broken hydraulic hose	Contaminated soil was collected and brought to a yellow bin for disposal.
5/21/2022	Hydraulic Oil	50	L	Whale Tail Pit	Equipment failure	Contaminated soil was collected and brought to a yellow bin for disposal.
5/23/2022	Hydraulic Oil	10	L	Drill 4 on Pad	Equipment failure	Contaminated soil was collected and brought to a yellow bin for disposal.