



AGNICO EAGLE

WHALE TAIL MINE

Monitoring Program Summary Report

October 2023

Type A Water License 2AM-WTP1830

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SECTION 1 • BACKGROUND

On May 13, 2020, Agnico Eagle 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

Freshwater usage for the month is summarized in Table 2.1 below.

Table 2.1: Freshwater Usage (m³)

Water Location	Source Lake	January	February	March
Camp	Nemo	3,615	3,547	3,749
Construction/Operation	Nemo	3,754	3,618	3,264
Dust Suppression	WTHR Pond	0	0	0
Explosive	Mammoth Lake	0	0	0
Drilling	Proximal Sources	0	0	0
Total Freshwater Usage (m³)		7,369	7,165	7,013

Water Location	Source Lake	April	May	June
Camp	Nemo	3,453	3,381	3,173
Construction/Operation	Nemo	3,007	2,521	1,786
Dust Suppression	WTHR Pond	0	1,150	155
Explosive	Mammoth Lake	0	0	0
Drilling	Proximal Sources	0	0	0
Total Freshwater Usage (m³)		6,460	7,052	5,114

Water Location	Source Lake	July	August	September
Camp	Nemo	3,243	3,285	3,133
Construction/Operation	Nemo	2,588	1,809	2,534
Dust Suppression	WTHR Pond	4,745	1,381	0
Explosive	Mammoth Lake	0	0	0
Drilling	Proximal Sources	0	0	0
Total Freshwater Usage (m³)		10,576	6,475	5,667

Water Location	Source Lake	October	Total
Camp	Nemo	3,590	34,169
Construction/Operation	Nemo	4,877	29,757
Dust Suppression	WTHR Pond	0	7,431
Explosive	Mammoth Lake	0	0
Drilling	Proximal Sources	0	0
Total Freshwater Usage (m³)		8,467	71,358

2.2 LAKE WATER MONITORING

Lakes around the Whale Tail Mine were monitored on a monthly basis during the open water season. In October, monthly samples were taken at Lake A16 (ST-WT-14) and Lake A15 (ST-WT-15).

2.3 WHALE TAIL SOUTH CHANNEL

The Whale Tail South Channel was operational in October. 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 Eagle 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 Eagle is currently sampling the STP monthly and thus a sample was taken in October. A total of 3,020 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 October in Whale Tail South. Discharge in Whale Tail South was from October 8 to 11. Water was treated by the Water Treatment Plant before discharge. A total of 39,009 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 Tables 2.6.1. No non-compliance observed during the month of October related to this discharge 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 Diffuser (ST-WT-24)

Parameter	Maximum Authorized Concentration Grab Sample	Maximum Authorized Monthly Mean Concentration	Unit	Sample Date	Monthly Average
				10/9/2023	
Field Measured					
pH	6.0 - 9.5	6.0 - 9.5	pH units	6.84	6.84
Conventional Parameters					
Total suspended solids	30	15	mg/L	2	2
Nutrients					
Total phosphorus	0.6	0.3	mg P/L	<0.0010	0.0005
Ammonia nitrogen (NH3-N)	32	16	mg N/L	1.8	1.8
General Organics					
Total petroleum hydrocarbons	6	3	mg/L	<0.2	0.1
Total Metals					
Aluminum	1	0.5	mg/L	0.0083	0.0083
Arsenic	0.2	0.1	mg/L	0.00468	0.00468
Cadmium	0.004	0.002	mg/L	0.000015	0.000015
Chromium	0.04	0.02	mg/L	<0.0010	0.0005
Copper	0.2	0.1	mg/L	0.00075	0.00075
Iron	2	1	mg/L	0.276	0.276
Lead	0.1	0.05	mg/L	<0.00020	0.00010
Mercury	0.008	0.004	mg/L	<0.00001	0.000005
Nickel	0.5	0.25	mg/L	0.0115	0.0115
Zinc	0.2	0.1	mg/L	0.0053	0.0053

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 October.

Twelve (12) 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 2023 Reported and Non-Reported Spills

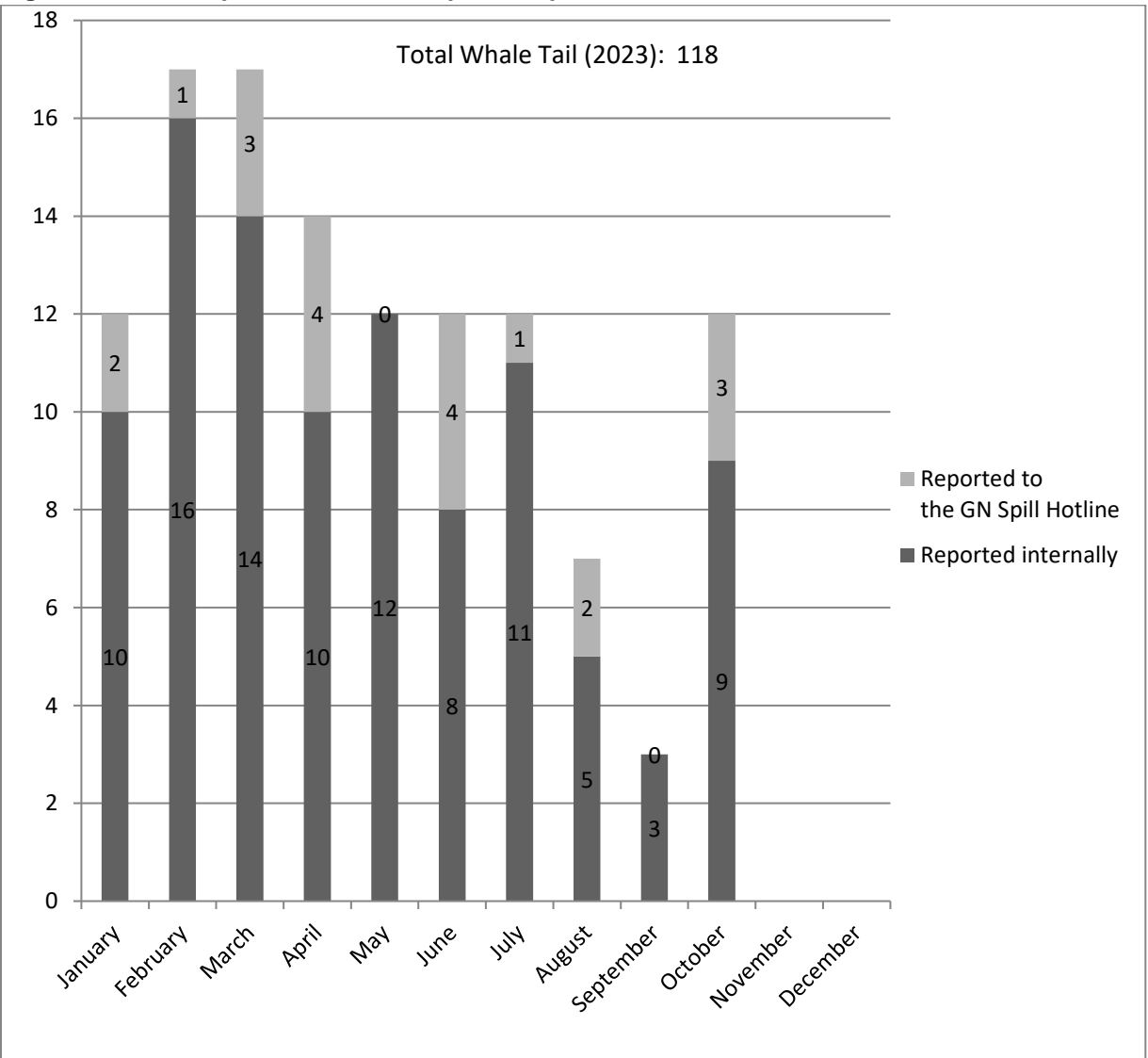


Table 3.1: Summary of Agnico Eagle Internal and Reported Spill Reports, October 2023

Date of Spill	Hazardous Material	Qty	Units (L/Kg/m ³)	Location	Cause of Spill	Clean-up action taken
10/1/2023	Hydraulic Oil	80	L	Pad E	Mechanical Failure	Contaminated soil was collected and brought to a yellow bin for disposal at the Whale Tail Landfarm
10/2/2023	Hydraulic Oil	200	L	IVR Pit Ramp	Mechanical Failure	Contaminated soil was collected and brought to a yellow bin for disposal at the Whale Tail Landfarm
10/2/2023	Washer Fluid	50	L	Whale Tail Fuel Farm	Human Error	Contaminated soil was collected and brought to a yellow bin for disposal at the Whale Tail Landfarm
10/5/2023	Hydraulic Oil	300	L	Pad K	Mechanical Failure	Contaminated soil was collected and brought to the Whale Tail Landfarm
10/7/2023	Transmission Oil	20	L	IVR Pit	Mechanical Failure	Contaminated soil was collected and brought to a yellow bin for disposal at the Whale Tail Landfarm
10/11/2023	Diesel Exhaust Fluid	1,000	L	Underground Service Building	Human Error - Punctured Tote	Contaminated soil was collected and brought to a yellow bin for disposal at Meadowbank Tailings
10/21/2023	Coolant	20	L	Underground Service Building	Unknown	Contaminated soil was collected and brought to a yellow bin for disposal at Meadowbank Tailings
10/21/2023	Hydraulic Oil	60	L	Whale Tail Pit	Mechanical Failure	Contaminated soil was collected and brought to a yellow bin for disposal at the Whale Tail Landfarm
10/23/2023	Hydraulic Oil	65	L	Whale Tail Pit	Mechanical Failure	Contaminated soil was collected and brought to a yellow bin for disposal at the Whale Tail Landfarm
10/23/2023	Coolant	30	L	WTHR KM173	Mechanical Failure	Contaminated soil was collected and brought to a yellow bin for disposal at Meadowbank Tailings
10/25/2023	Hydraulic Oil	30	L	WTHR KM166	Human Error	Contaminated soil was collected and brought to a yellow bin for disposal at the Whale Tail Landfarm
10/29/2023	Hydraulic Oil	30	L	WTHR KM123	Mechanical Failure	Contaminated soil was collected and brought to the Meadowbank Landfarm