



WHALE TAIL PROJECT

Monitoring Program Summary Report

February 2020

Type A Water License 2AM-WTP1826

Table of Contents

SECTION 1 • BACKGROUND 3

SECTION 2 • WATER MANAGEMENT 4

2.1 WATER USAGE4

2.2 LAKE WATER MONITORING.....4

2.3 WHALE TAIL DIKE SEEPAGE MONITORING4

2.4 SEWAGE TREATMENT PLANT5

2.5 WHALE TAIL NORTH BASIN DEWATERING5

2.6 QUARRY 1 DISCHARGE7

2.7 WHALE TAIL SOUTH WATER TRANSFER7

SECTION 3 • SPILL MANAGEMENT 8

SECTION 1 • BACKGROUND

As required under Part I, Item 23 of Type A Water License 2AM-WTP1826, 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 plan discharge, Whale Tail North Basin dewatering, Quarry 1 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

All water withdrawals related to Exploration activities is currently managed by Part C Item 1 of the Exploration Water License 2BB-MEA1828. All of the information regarding the use under this License 2BB-MEA1828 will be provided via the Annual Report required by Part B Item 6.

Agnico Eagle is authorized as per Part E Item 1 of the Water License 2AM-WTP1826 to intake water from Nemo Lake for a total year to date of 240,000 m³/year. A total volume of 4,024 m³ was withdrawn from Nemo Lake in February. Details are provided in Table 2.1.1 below.

Table 2.1.1: February 2020 – Freshwater Consumption

Water Location	Source Lake	Jan	Feb	Total
Camp	Nemo	2 062	2 184	4 246
Construction/Operation	Nemo	1 518	1 840	3 358
Dust Suppression	Nemo / WTHR Pond	0		0
Total Freshwater Usage (m³)		3 579	4 024	7 604

2.2 LAKE WATER MONITORING

Lake around the Whale Tail Project were monitored on a monthly basis during the open water season. In February, 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 February, the Whale Tail North dewatering continued and seepage water was still observed at the toe of the structure. Seepage was estimated in average at 350 m³/h based on pumping rate.

Work continued on the construction of a downstream grouting blanket at Whale Tail Dike in an effort to reduce the seepage reporting to WTN.

Agnico continue to manage water from WTD seepage as part of the dewatering of the Whale Tail North Basin and is be monitored for Water License 2AM-WTP1826 Part D Item 7. Refer to Section 2.5 below for the water quality monitoring results.

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 in the future 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 on a monthly basis and thus sample was taken in February. A total of 2,094 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 February 11 to 23 and restarted on February 29.

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

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: 6.58 / 7.57 (Limit is 6-9 units)
- pH 30 days minimum/maximum: 6.98 / 7.07 (Limit is 6-9 units)
- Al 24 hour maximum concentration: 0.055 mg/L (Limit is 3.0 mg/L)
- Al 30 days maximum concentration: 0.033 mg/L (Limit is 1.5 mg/L)

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

- NTU 24 hour maximum concentration: 2.76 NTU (Maximum Limit is 30 NTU)
- NTU 30 days mean maximum concentration: 1.31 NTU (Maximum Limit is 15 NTU).
- TSS 24 hour maximum concentration: 9 mg/L (Maximum Limit is 22.5 mg/L)
- TSS 30 days mean maximum concentration: 6.90 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 February.

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
01-02-2020	No discharge				0.94	4.62	7.10	
02-02-2020	No discharge				0.90	4.70	7.10	
03-02-2020	No discharge				0.88	4.79	7.10	
04-02-2020	No discharge				0.89	4.94	7.10	
05-02-2020	No discharge				0.87	5.06	7.11	
06-02-2020	No discharge				0.85	5.13	7.11	
07-02-2020	No discharge				0.86	5.07	7.12	
08-02-2020	No discharge				0.83	4.93	7.12	
09-02-2020	No discharge				0.83	4.85	7.12	
10-02-2020	No discharge				0.82	4.67	7.09	
11-02-2020	1.43	9	7.02	0.055	0.88	4.83	7.07	0.033
12-02-2020	1.25	NA	7.14		0.93	5.00	7.06	
13-02-2020	1.70	NA	7.12		0.98	4.80	7.04	
14-02-2020	1.16	7	6.87		0.99	5.20	7.02	
15-02-2020	1.05	8	7.03	0.018	0.97	5.45	7.01	0.028
16-02-2020	0.75	7	7.04		0.96	5.91	7.00	
17-02-2020	0.85	5	7.18	0.017	0.96	5.82	7.01	0.025
18-02-2020	0.95	NA	6.58		0.99	6.00	6.98	
19-02-2020	0.56	7	6.78	0.019	0.98	6.00	6.99	0.027
20-02-2020	0.84	7	7.18	0.012	0.97	6.20	7.01	0.024
21-02-2020	1.29	8	6.84		1.01	6.36	7.01	
22-02-2020	1.04	8	6.99		1.02	6.50	7.00	
23-02-2020	2.65	3	6.97	0.011	1.14	6.42	6.99	0.022
24-02-2020	No discharge				1.15	6.73	6.99	
25-02-2020	No discharge				1.19	6.90	6.98	
26-02-2020	No discharge				1.19	6.90	6.98	
27-02-2020	No discharge				1.19	6.90	6.98	
28-02-2020	No discharge				1.19	6.90	6.98	
29-02-2020	2.76	4	7.57		1.31	6.64	7.02	
1 - Measures taken in the field								
2- Results from the certified laboratory								
Half-detection limit use in the mean calculation								

2.6 QUARRY 1 DISCHARGE

No discharge from Quarry to Mammoth Lake in February.

2.7 WHALE TAIL SOUTH WATER TRANSFER

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

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 February.

All spills reported internally (20) were managed appropriately on site according to Agnico's spill contingency plan. Two (2) spills were reported to regulators in February. 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

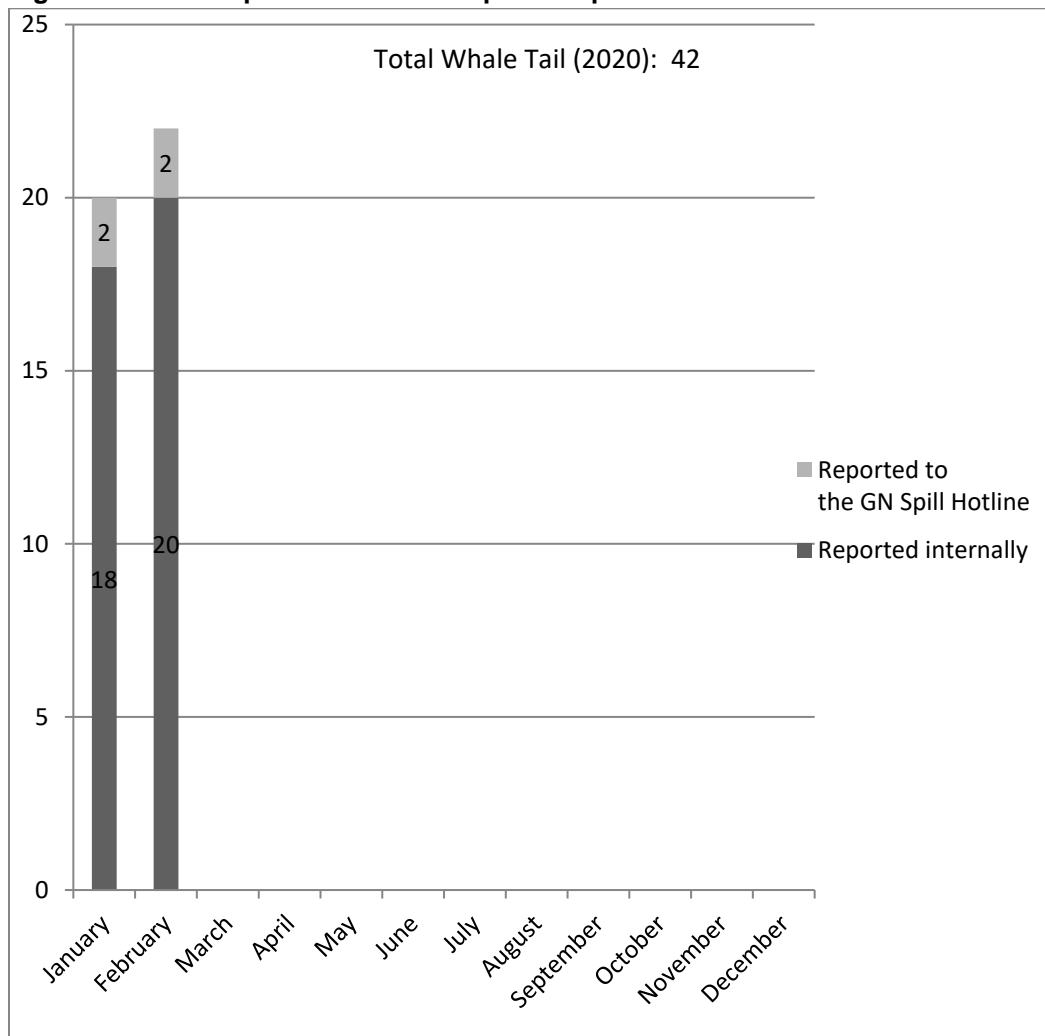


Table 3.1: Summary of Agnico Eagle Internal and Reported Spill Reports, February 2020

Date of Spill	Hazardous Material	Qty	Units (L / Kg)	Location	Cause of spill	Clean-up action taken
February 1, 2020	Hydraulic Oil	1	L	Quarry	Hydraulic oil was noticed leaking by the vent of the drill engine.	A spill pad was added to catch the drips, but some fell to the ground. The contaminated material was picked up and the pad was replaced in a way to ensure it would not fall again. Contaminated spill pads placed in oily solids waste and contaminated soil in the roll-off for further disposal at MBK landfarm
February 2, 2020	Hydraulic Oil	50	L	Whale Tail Pit	Hydraulic hose failure	Shut off engine. Contaminated material was picked up and disposed adequately
February 2, 2020	Engine Oil	20	L	Old Truck parking	Equipment failure	Operator shut the engine off. Contaminated material was picked up and disposed of in the underground shop yellow bin.
February 4, 2020	Hydraulic Oil	5	L	Waste dump	Spill when changing hydraulic lines on equipment	Contaminated material was picked up and disposed of in yellow bin.
February 5, 2020	Engine oil	20	L	AMQ20-2158 SH-92(4)	Fire on equipment	Evacuate the drill, call code 1 and the spill will be recovered when investigation is done. All contaminated material will be disposed of adequately in the yellow bin
February 6, 2020	Coolant	15	L	Behind FWTP	The coolant drain valve got hit by a piece of the pipe during installation.	Most of the coolant was recover with 2x 5 gallons bucket. The zone was immediately clean with excavator and loader.
February 8, 2020	Hydraulic Oil	40	L	HTR parking main camp	Quick attach hose failure	Stop equipment to stop the leak and pick up the spill and brought to yellow bin at UG shop

Type A Water License 2AM-WTP1826
Monitoring Program Summary Report

February 8, 2020	Diesel	20	L	On road 7 by road 3	HTR02 had stalled. The mechanic noticed the fuel filter on the road, the filter block was cracked and had fallen	Call mechanic for repair. Contaminated material was picked up and disposed of in the yellow bin
February 8, 2020	Hydraulic Oil	20	L	Sana crusher STP	Coolant hose failure	Spill picked up and disposed in yellow bin
February 10, 2020	Diesel	130	L	Whale Tail Pit	Wiggins nozzle malfunctioned	The operator shut down the equipment and called maintenance to replace the Wiggins nozzle. Candles were placed around the spill until it could be cleaned up. Approximately 2m3 of contaminated snow and material was collected. All of the contaminated material will be brought to the land farm at Meadowbank
February 12, 2020	Hydraulic Oil	50	L	Waste Dump	Hydraulic hose failure on the boom cylinder	Stop the engine right away and called the dispatch for the mechanic. Contaminated material picked up and disposed of adequately
February 13, 2020	Transmission Fluid	30	L	WTHR KM 154	Transmission failure on equipment	Tow haul operator installed spill kit to contain the leak. Leak has been picked up and disposed in the contaminated bin.
February 14, 2020	Engine Oil	30	L	Main camp parking	Equipment failure	Stop the engine. Contaminated material picked up and disposed of adequately
February 14, 2020	Hydraulic Oil	20	L	Pattern 5130MSW80	Hydraulic hose failure	Equipment was shut down and mechanic was called for repair. Contaminated material picked up and disposed of adequately

Type A Water License 2AM-WTP1826
Monitoring Program Summary Report

February 15, 2020	Engine Oil	10	L	SANA Parking	Engine breather jam by ice, causing pressure and the engine oil blow out.	Stop the engine. Contaminated material picked up and disposed of adequately
February 17, 2020	Engine Oil	5	L	SANA Parking	The engine oil seal blow out.	Stop the engine. Contaminated material picked up and disposed of adequately
February 17, 2020	Hydraulic Oil	30	L	Dewatering Pad	Hydraulic hose failure	Stopped the engine right away and called the dispatch for the mechanic. Contaminated material picked up and disposed of adequately
February 22, 2020	Coolant	50	L	WTHR KM 124	Broken belt	Repair broken components. Material collected after repairs are made. Contaminated material disposed off in the MBK tailings pond
February 26, 2020	Hydraulic Oil	182	L	Channel Road	Hydraulic hose failure	The contaminated snow and rocks were taken to the contaminated materials bin at the HAZMAT area
February 26, 2020	Transmission Fluid	15	L	Construction Pad H	Hydraulic hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
February 28, 2020	Diesel	10	L	Whale Tail Pit	Diesel hose failure	diesel and contaminated snow into a 5 gallon pail and dumped it in the yellow bins at the hazmat area behind the underground shop
February 29, 2020	Coolant	20	L	Phase 1 5109MSW05	Coolant hose failure	A 980 loader scraped up the material and dumped it in the contaminated soil bin.