



AGNICO EAGLE

WHALE TAIL PROJECT

Monitoring Program Summary Report

May 2019

Type A Water License 2AM-WTP1826

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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 and Whale Tail North Basin dewatering.

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 A total volume of 4,637 m³ was withdrawn from Nemo Lake in May. Details are provided in Table 2.1.1 below.

Table 2.1.1: May 2019 – Freshwater Consumption

Water Location	Source Lake	Jan	Feb	March	April	May	Total
Camp	Nemo	1 306	1 396	1 179	1 192	1 806	6 879
Construction/Operation	Nemo	1 283	2 188	3 076	2 206	2 831	11 584
Dust Suppression	NA	0	0	0	0	0	0
Total Freshwater Usage (m³)		2 589	3 584	4 255	3 398	4 637	18 463

2.2 LAKE A47 WATER MONITORING

No monitoring sample at Lake A47 (ST-WT-6) was collected in May due to frozen condition.

2.3 LAKE A15 WATER MONITORING

No monitoring sample at Lake A15 (ST-WT-15) was collected in May due to frozen condition.

2.4 LAKE A16 OUTLET WATER MONITORING

No monitoring sample at Lake A16 (ST-WT-14) was collected in May due to frozen condition.

2.5 WHALE TAIL DIKESEEPAGE MONITORING

No seepage has been observed in May around the site.

2.6 SEWAGE TREATMENT PLANT

Effluent from the Exploration Camp Sewage Treatment Plan (STP) is discharged to the Whale Tail Lake North Basin and is monitored as per the Water License 2BB-MEA1828 Part D Item 10. All of the information regarding this discharge will be provided via the Annual Report required by 2BB-MEA1828 Part B Item 6.

The Sewage Treatment Plan located in the permanent camp associated with the Water License 2AM-WTP1826 was commissioned on April 12, 2019. Effluent is discharge 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. First regulatory sampling was taken in May. A total of 1,087 m³ was discharged during the month.

2.7 WHALE TAIL NORTH BASIN DEWATERING

Dewatering of the Whale Tail North Basin was ongoing from May 3 to 17 and from May 24 to 29. A total of 598,603 m³ of water was discharged to the Whale Tail South Basin during the month. Total year to date is 1,941,214 m³.

As per Water License Part D Item 7, the effluent from Whale Tail North Basin (ST-DD-7) dewatering 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:

- pH 24 hour minimum/maximum: 6.63 / 7.30 (Limit is 6-9 units)
- pH 30 days minimum/maximum: 6.33 / 6.87 (Limit is 6-9 units)
- Al 24 hour maximum concentration: 0.140 mg/L (Limit is 3.0 mg/L)
- Al 30 days maximum concentration: 0.116 mg/L (Limit is 1.5 mg/L)

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

- NTU 24 hour maximum concentration: 26.60 NTU (Maximum Limit is 30 NTU)
- NTU 30 days mean maximum concentration: 12.80 NTU (Maximum Limit is 15 NTU)
- TSS 24 hour maximum concentration: 88 mg/L (Maximum Limit is 22.5 mg/L)
- TSS 30 days mean maximum concentration: 12.50 mg/L (Maximum Limit is 15 mg/L)

Table 2.9.1 summarizes the dewatering monitoring results for pH, aluminum, turbidity and TSS for the month. One non-compliance with the Short Term Maximum limits of TSS for was observed in May.

Whale Tail North Basin dewatering was first sampled on May 29, 2019 at 9 am as required by the Water License 2AM-WTP1826. At 9:50 am, an other water sample was taken as required by the MDMER regulations. The discharge was already planned to be stopped during the day of May 29. At 10:00 am the pumps were shut down and remain inactive for the rest of the month. On June 6, 2019 Agnico Eagle was reviewing preliminary results and noted that the level of TSS at ST-MDMER-5 discharge was at 30 mg/L for the sample taken at 9 am and 88 mg/L for the one taken at 9:50 am on May 29. Based on a total flow of 500 m³ between May 29, 9 am and May 29 10 am, the quantity of TSS is estimated at 45 kg.

Regulator were advised of the effluent non-compliance on June 6, 2019, A complete follow-up report will be provide once the official laboratory certificate will be received.

Table 2.9.1: Whale Tail North Basin Dewatering Monitoring

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
03-05-2019	12.27	9	6.86	0.129				
04-05-2019	12.95	9	6.82		10.14	4.17	6.63	0.095
05-05-2019	11.06	7	6.86	0.090	11.08	5.17	6.68	
06-05-2019	11.49	3	6.90		11.07	5.83	6.71	0.093
07-05-2019	11.35	3	6.77		11.16	5.83	6.75	
08-05-2019	7.91	4	6.93		11.19	5.83	6.79	
09-05-2019	8.34	7	6.88		11.17	5.83	6.86	
10-05-2019	9.76	6	6.78		10.77	6.00	6.86	
11-05-2019	9.95	8	6.83		10.64	6.00	6.85	
12-05-2019	9.74	8	6.63	0.105	10.56	6.22	6.85	
13-05-2019	8.73	8	6.72		10.48	6.40	6.83	0.108
14-05-2019	10.95	11	6.74		10.32	6.55	6.82	
15-05-2019	13.89	9	6.87		10.38	6.92	6.81	
16-05-2019	16.07	12	6.68		10.65	7.08	6.81	
17-05-2019	12.27	9	6.86	0.129	11.03	7.43	6.81	
18-05-2019	No discharge							
19-05-2019	No discharge							
20-05-2019	No discharge							
21-05-2019	No discharge							
22-05-2019	No discharge							
23-05-2019	No discharge							
24-05-2019	16.40	<1	6.91					
25-05-2019	13.70	9	7.30		11.54	7.09	6.84	
26-05-2019	9.91	11	6.80		11.44	7.32	6.84	
27-05-2019	14.48	8	6.79	0.140	11.61	7.36	6.84	0.116
28-05-2019	10.80	8	7.01		11.57	7.39	6.85	
29-05-2019 9 am	26.60	30	7.03		12.32	8.73	6.86	
29-05-2019 9:50 am	22.43	88	7.15		12.80	12.50	6.87	
1 - Measures taken in the field								
2- Results from the certified laboratory								
Half-detection limit use in the mean calculation								

SECTION 3 • SPILL MANAGEMENT

Figure 3.1 shows reported and non-reported spills for 2019 broken down per month and Table 3.1 summarizes Agnico Eagle spill reports for May.

All spills reported internally (15) were managed appropriately on site according to Agnico's spill contingency plan. Two (2) 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 2019 Reported and Non-Reported Spills

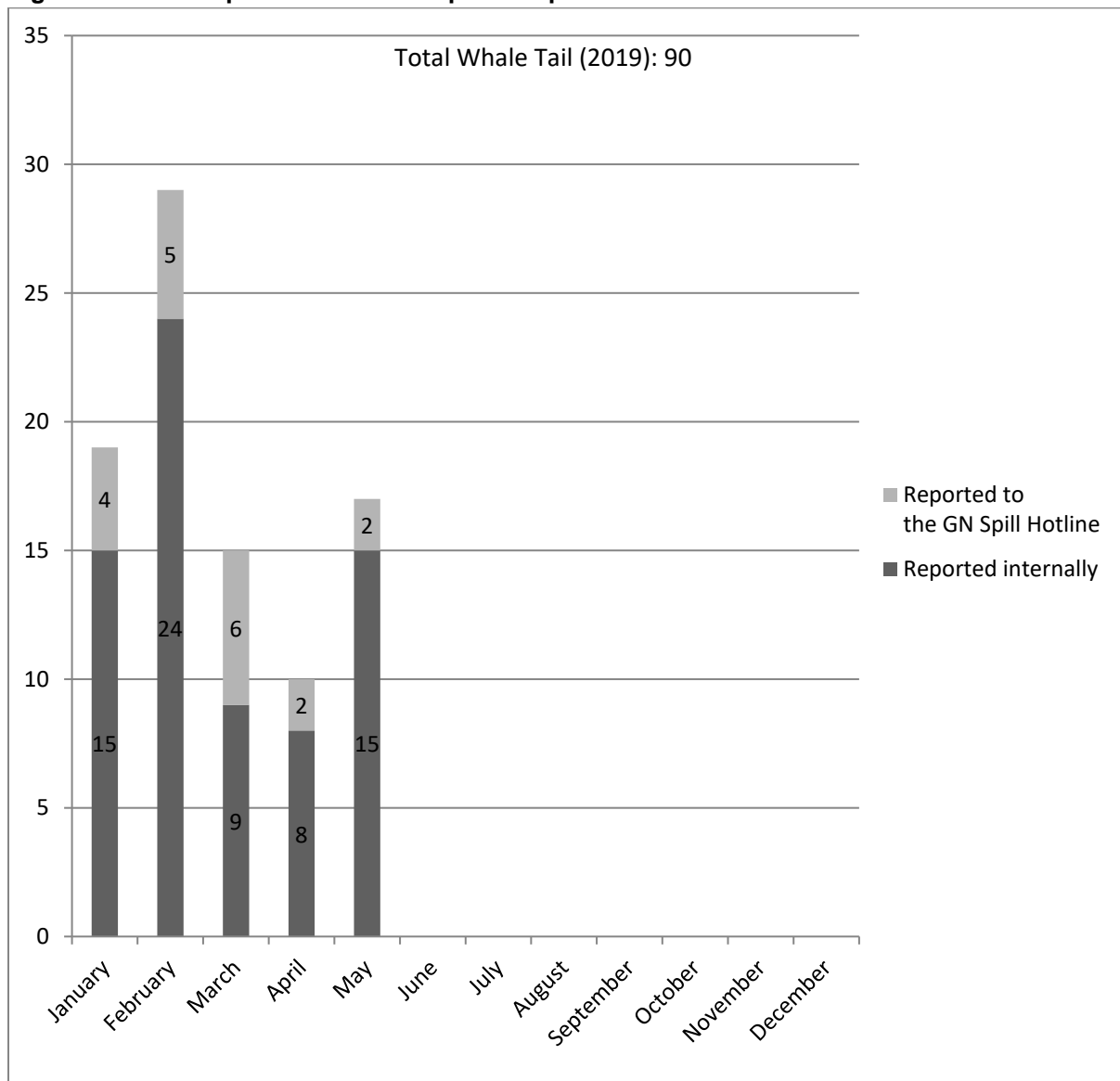


Table 3.1: Summary of Agnico Eagle Internal and Reported Spill Reports, May 2019

Date of Spill	Hazardous Material	Qty	Units (L / Kg)	Location	Cause of spill	Clean-up action taken
May 1, 2019	Hydraulic Oil	50	L	Quarry 2	Hydraulic hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
May 3, 2019	Coolant	90	L	Quarry 2	Coolant hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
May 9, 2019	Hydraulic Oil	20	L	South dewatering road	O-ring hydraulic hose failure	Contaminated soil picked up and disposed of appropriately
May 11, 2019	Coolant	50	L	Quarry 2	Coolant hose failure	Contaminated soil picked up and disposed of appropriately
May 12, 2019	Hydraulic Oil	95	L	In front of the Maintenance shop	Steering filter O-ring failure	Absorbent pads used to contain the spill. All contaminated material pick up and cleaned and disposed off adequately
May 15, 2019	Hydraulic Oil	40	L	Quarry 2	Loose fitting caused hydraulic oil spill	Contaminated soil picked up and disposed of appropriately
May 18, 2019	Hydraulic Oil	30	L	Road 7	Hydraulic hose failure	Contaminated soil picked up and disposed of appropriately
May 18, 2019	Diesel	70	L	PAD C	Fuel was likely spilled during the fueling process of the RBD 07	Contaminated soil picked up and disposed of appropriately
May 18, 2019	Hydraulic Oil	30	L	Mammoth Dike	Hydraulic hose failure	Contaminated soil picked up and disposed of appropriately
May 19, 2019	Hydraulic Oil	80	L	Road 7	Hydraulic hose failure	Contaminated soil picked up and disposed of appropriately

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May 22, 2019	Engine Oil	8	L	11km North east of AMQ	Rotation hydraulic hose failure	Absorbent pads used to contain the spill. All contaminated material pick up and cleaned and disposed off adequately
May 26, 2019	Diesel	6	L	Muck pad by haul road	Fuel hose fallen down while unscrewing pump and leaked	Absorbent pads used to contain the spill. All contaminated material pick up and cleaned and disposed off adequately
May 28, 2019	Hydraulic Oil	10	L	Haul truck parking Whale Tail	Hydraulic hose failure	Contaminated material picked up and disposed off adequately
May 28, 2019	Hydraulic Oil	15	L	Quarry 2	Hydraulic hose failure	Absorbent pads used to contain the spill. All contaminated material pick up, cleaned, and disposed off adequately in the yellow bin behind the shop.
May 28, 2019	Hydraulic Oil	20	L	Dewatering road	Remove broken hydraulic steel elbow tube, had two drums under the unit to catch the oil but it was very windy and when hose was removed, the wind carried/blew the oil.	Absorbent pads used to contain the spill. All contaminated material pick up and cleaned and disposed off adequately
May 29, 2019	Diesel	300	L	Road 3	Diesel Tank overflow	Environment department was called, we used the 345 backhoe to do a trench to contain the diesel fuel used absorbing pads and snow to pick up the diesel fuel and bring it with the 966 loader to the contaminated soil bin at the transit pad. All contaminated material pick up and cleaned and disposed off adequately
May 29, 2019	TSS	45	Kg	Whale Tail South	Charge of TSS in the WT North Basin Dewatering Water at 88mg/L.	Basin dewatering was sampled on May 29, 2019 at 9:50 am as required by the Water License 2AM-WTP1826. The discharge was planned to be

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						<p>stopped during the day of May 29. At 10:00 am the pumps were shut down and remain inactive as of today. On June 6, 2019 Agnico Eagle was reviewing preliminary results and noted that the level of TSS at ST-MDMER-5 discharge was at 88 mg/L on May 29. The official laboratory certificate is pending. Based on a total flow of 500 m3 between May 29 9 am (previous grab sample) and May 29 10 am, the quantity of TSS is estimated at 45 kg.</p>
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