



WHALE TAIL PROJECT

Monitoring Program Summary Report

July 2018

Type A Water License 2AM-WTP1826

Table of Contents

SECTION 1 • BACKGROUND	3
SECTION 2 • WATER MANAGEMENT	4
2.1 WATER USAGE	4
2.2 LAKE A47 WATER MONITORING	4
2.3 LAKE A15 WATER MONITORING	4
2.4 LAKE A16 OUTLET WATER MONITORING	4
2.5 SEEPAGE MONITORING	5
2.6 SEWAGE TREATMENT PLANT	5
2.7 WHALE TAIL DIKE CONSTRUCTION	5
SECTION 3 • SPILL MANAGEMENT	11

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 monitoring around site, sewage treatment plan discharge and Whale Tail Dike construction monitoring.

In addition, a summary of spills/actions for the month is reported.

SECTION 2 • WATER MANAGEMENT

2.1 WATER USAGE

All freshwater usage in July was taken from the Whale Tail Lake North Basin and is currently managed by Part C Item 1 of the Exploration Water License 2BB-MEA1828. The water is mainly used for what Agnico Eagle still considers to be Amaruq Exploration Camp. 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. In July, the access road to Nemo Lake was not constructed and no water was taken from Nemo Lake.

Following approval of the NWB, Agnico has been allowed under Part E item 3 of the Water License 2AM-WTP1826 and as per the NWB reason for decision letter to '*obtain water for domestic camp use during construction in 2018 from Whale Tail Lake with a total volume not exceeding 63,150 cubic metres per year from the date on which the Minister approves the issuance of the Licence through to the end 2018*'. In July, water was taken in Whale Tail Lake North Basin to start commissioning the Water Treatment Plan for construction effluent. Please refer to Table 2-1 below for breakdown per days.

Table 2-1: Freshwater Usage (m³)

Date	Volume (m ³)
July 18, 2018	153
July 19 2018	56
July 20, 2018	38
Total	247

2.2 LAKE A47 WATER MONITORING

As the Water License was formally approved by Minister on July 13, 2018, no water monitoring occurred at Lake A47 in July for logistics reasons. The first sampling will be in August.

2.3 LAKE A15 WATER MONITORING

As the Water License was formally approved by Minister on July 13, 2018, no water monitoring occurred at Lake A15 in July for logistics reasons. The first sampling will be in August.

2.4 LAKE A16 OUTLET WATER MONITORING

As the Water License was formally approved by Minister on July 13, 2018, no water monitoring occurred at Lake A16 Outlet in July for logistics reasons. The first sampling will be in August.

2.5 SEEPAGE MONITORING

No seepage has been observed in July around the site.

2.6 SEWAGE TREATMENT PLANT

Effluent from the 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. Agnico still considers the camp and all the facilities associated to be Amaruq Exploration Camp. All of the information regarding this discharge will be provided via the Annual Report required by 2BB-MEA1828 Part B Item 6.

Agnico plan to have a Sewage Treatment Plan associated with the Water License 2AM-WTP1826 in 2019.

2.7 WHALE TAIL DIKE CONSTRUCTION

The construction of Whale Tail Dike started on July 27, 2018. Three (3) turbidity curtains have been installed downstream of the dike prior to the start of the construction. As a supplementary measure, two (2) turbidity curtains were also deployed prior to the start of the construction on the north side of the dike.

In accordance with the Water License 2AM-WTP1826 Part D Item 6 and the Water Quality Monitoring and Management Plan for Dike Construction and Dewatering, the monitoring of the TSS level at four (4) locations downstream of the dike is based on the strong relation TSS-Turbidity which permit real time results. As detailed in this plan, daily depth profile turbidity readings have been taken at these locations and compared to the maximum monthly mean and short term maximum limit detailed in 2AM-WTP1826 Part D Item 6. No TSS exceedance has been observed in July as shown in Table 2-2 below. Table 2-3 provide the results of the weekly sampling at one of the downstream station.

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

Table 2-2: TSS Downstream monitoring station based on TSS-Turbidity relation

Date	Station	Time	1	2	3	4	5	6	Max TSS 24H (mg/L)	Mean TSS 24H (mg/L)	TSS 7 Day Mean (mg/L)	TSS 30 Day Mean (mg/L)
<i>Limit (mg/L)</i>									50	50	15	15
2018-07-27	ST-WT-DC1	15:00		0,024		0,012			0,024	0,018		
	ST-WT-DC2			0,010		0,006		0,010	0,010	0,008		
	ST-WT-DC3			0,004					0,004	0,004		
	ST-WT-DC4			0,010					0,010	0,010		
2018-07-28	ST-WT-DC1	10:30		0,002		0,014			0,014	0,008	0,013	0,013
	ST-WT-DC2			0,008		0,004		0,004	0,008	0,005	0,007	0,007
	ST-WT-DC3			0,000					0,000	0,000	0,002	0,002
	ST-WT-DC4			0,066					0,066	0,066	0,038	0,038
2018-07-28	ST-WT-DC1	15:00		0,002		0,000			0,002	0,001	0,009	0,009
	ST-WT-DC2			0,012		0,004		0,002	0,012	0,006	0,006	0,006
	ST-WT-DC3			0,004		0,004			0,004	0,004	0,002	0,002
	ST-WT-DC4			0,534					0,534	0,534	0,203	0,203
2018-07-29	ST-WT-DC1	8:00		0,086		0,077			0,086	0,081	0,027	0,027
	ST-WT-DC2			0,184		0,179		0,179	0,184	0,181	0,050	0,050
	ST-WT-DC3			0,104		0,102			0,104	0,103	0,028	0,028
	ST-WT-DC4			0,294		0,414			0,414	0,354	0,241	0,241
2018-07-29	ST-WT-DC1	17:30									0,022	0,022
	ST-WT-DC2			0,147		0,156		0,166	0,166	0,156	0,071	0,071
	ST-WT-DC3			0,145		0,127			0,145	0,136	0,049	0,049
	ST-WT-DC4			0,366		0,438			0,438	0,402	0,273	0,273
2018-07-30	ST-WT-DC1	11:30	0,235	0,231	0,224				0,235	0,230	0,068	0,068
	ST-WT-DC2	11:40	0,191	0,193	0,189	0,203	0,191	0,177	0,203	0,191	0,091	0,091

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

	ST-WT-DC3	8:30	0,212	0,217	0,224				0,224	0,217	0,077	0,077
	ST-WT-DC4	8:45	0,325	0,354	0,373				0,373	0,351	0,286	0,286
2018-07-30	ST-WT-DC1	16:30	0,191	0,191	0,207				0,207	0,196	0,076	0,089
	ST-WT-DC2		0,191	0,177	0,191	0,200	0,217	0,182	0,217	0,193	0,106	0,106
	ST-WT-DC3		0,189	0,182	0,193				0,193	0,188	0,093	0,093
	ST-WT-DC4		0,399	0,421	0,418				0,421	0,413	0,304	0,304
2018-07-31	ST-WT-DC1	10:45	0,191	0,203	0,212	0,214			0,214	0,205	0,092	0,106
	ST-WT-DC2		0,214	0,219	0,219	0,212	0,221	0,221	0,221	0,218	0,120	0,120
	ST-WT-DC3		0,217	0,203	0,217	0,210			0,217	0,211	0,108	0,108
	ST-WT-DC4		0,217	0,217	0,212				0,217	0,215	0,293	0,293
2018-07-31	ST-WT-DC1	17:00	0,172	0,182	0,186	0,182			0,186	0,181	0,102	0,115
	ST-WT-DC2		0,214	0,210	0,207	0,207	0,193	0,210	0,214	0,207	0,129	0,129
	ST-WT-DC3		0,231	0,245	0,233	0,249			0,249	0,239	0,122	0,122
	ST-WT-DC4		0,245	0,217	0,221				0,245	0,228	0,286	0,286

Table 2-3: TSS Downstream monitoring station based on TSS-Turbidity relation

ST-WT-DC-3		
Parameter	Units	Date
		2018-07-31
pH lab		6,86
Alkalinity Total	mg CaCO ₃ /L	10
Alkalinity bicarbonate	mg/L	10
Alkalinity carbonate	mg/L	< 2
Alkalinity hydroxide	mg/L	< 2
Ammonia (NH ₃)	mg N/L	< 0,01
Chloride (Cl)	mg/L	7,2
DOC	mg/L	1,8
Hardness	mg CaCO ₃ /L	12
Nitrate	mg N/L	< 0,01
Nitrite	mg N/L	< 0,01
Ortho-phosphate	mg/L	< 0,01
Phosphorous total	mg/L	< 0,01
Sulphate (SO ₄ -2)	mg/L	1,4
TDS	mg/L	32
TKN	mg/L	< 0,05
TOC	mg/L	2
TSS	mg/L	< 1
Reactive Silicate	mg/L	NA
Silica (Si)	mg/L	0,32
Chlorophyll A	mg/L	< 0,13
Aluminum (Al)	mg/L	< 0,005
Arsenic (As)	mg/L	< 0,005
Boron (B)	mg/L	< 0,01
Barium (Ba)	mg/L	0,0069
Beryllium (Be)	mg/L	< 0,0005
Cadmium (Cd)	mg/L	< 0,00002

Copper (Cu)	mg/L	< 0,0005
Chromium (Cr)	mg/L	< 0,0006
Iron (Fe)	mg/L	0,05
Lithium (Li)	mg/L	< 0,005
Manganese (Mn)	mg/L	0,0032
Mercury (Hg)	mg/L	< 0,00001
Molybdenum (Mo)	mg/L	< 0,0005
Nickel (Ni)	mg/L	< 0,0005
Lead (Pb)	mg/L	< 0,0003
Selenium (Se)	mg/L	< 0,0005
Antimony (Sb)	mg/L	< 0,0001
Silver (Ag)	mg/L	< 0,0001
Tin (Sn)	mg/L	< 0,001
Strontium (Sr)	mg/L	0,027
Titanium (Ti)	mg/L	NA
Thallium (Tl)	mg/L	< 0,0002
Uranium (U)	mg/L	< 0,001
Vanadium (V)	mg/L	< 0,0005
Zinc (Zn)	mg/L	< 0,001
Dissolved Aluminum (Al)	mg/L	< 0,005
Dissolved Arsenic (As)	mg/L	< 0,0005
Dissolved Boron (B)	mg/L	< 0,01
Dissolved Barium (Ba)	mg/L	0,0069
Dissolved Beryllium (Be)	mg/L	< 0,0005
Dissolved Cadmium (Cd)	mg/L	< 0,00002
Dissolved Copper (Cu)	mg/L	< 0,0005
Dissolved Chromium (Cr)	mg/L	< 0,0006
Dissolved Iron (Fe)	mg/L	< 0,01

Dissolved Lithium (Li)	mg/L	< 0,005
Dissolved Manganese (Mn)	mg/L	< 0,0005
Dissolved Mercury (Hg)	mg/L	< 0,00001
Dissolved Molybdenum (Mo)	mg/L	< 0,0005
Dissolved Nickel (Ni)	mg/L	< 0,0005
Dissolved Lead (Pb)	mg/L	< 0,0003
Dissolved Selenium (Se)	mg/L	< 0,0005
Dissolved Antimony (Sb)	mg/L	< 0,0001
Dissolved Silver (Ag)	mg/L	< 0,0001
Dissolved Tin (Sn)	mg/L	< 0,001
Dissolved Strontium (Sr)	mg/L	0,029
Dissolved Titanium (Ti)	mg/L	NA
Dissolved Thallium (Tl)	mg/L	< 0,0002
Dissolved Uranium (U)	mg/L	< 0,001
Dissolved vanadium (V)	mg/L	< 0,0005
Dissolved Zinc (Zn)	mg/L	< 0,001

SECTION 3 • SPILL MANAGEMENT

Figure 3.1 shows reported and non-reported spills for 2018 broken down per month and Table 3.1 summarizes Agnico Eagle spill reports for July. As the Whale Tail Project NWB Water License Type A 2AM-WTP1826 has been received, Agnico will start to report the spills via the monthly report required by this license. To be consistent, all spills related to the Whale Tail Project or the Amaruq Exploration Access Road from January to June 2018 will be removed from the monthly report required by Water License 2AM-MEA1526 report and reported under the new 2AM-WTP1826 monthly report.

All spills reported internally (18) and to regulators (1) were managed appropriately on site according to Agnico's spill contingency plan. 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 2018 Reported and Non-Reported Spills

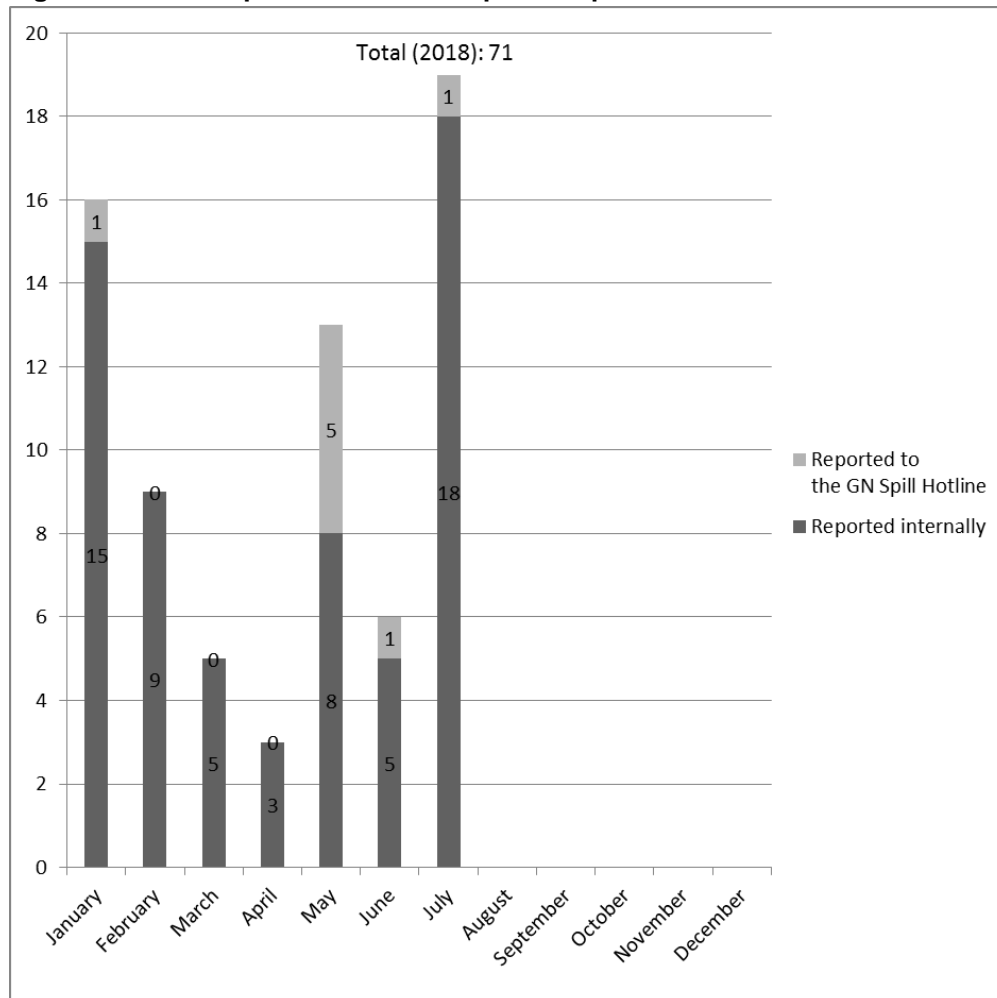


Table 3.1: Summary of Agnico Eagle Internal and Regulated Spill Reports, July 2018

Date of Spill	Hazardous Material	Qty	Units (L / Kg)	Location	Cause of spill	Clean-up action taken
July 5, 2018	Hydraulic oil	10	L	Construction - Amaruq / Esker 7	Hydraulic hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
July 6, 2018	Hydraulic oil	20	L	Amaruq Road - Quarry 26	Inadequate storage	Spill was contained and contaminated soil picked up and disposed of appropriately
July 7, 2018	Hydraulic oil	20	L	Amaruq Road - Quarry 26	Hydraulic hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
July 7, 2018	Coolant	10	L	Amaruq Road - Quarry 17	Radiator hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
July 8, 2018	Coolant	20	L	Amaruq Road - Quarry 22	Breakage on the radiator	Spill was contained and contaminated soil picked up and disposed of appropriately
July 8, 2018	Hydraulic oil	30	L	Construction - Amaruq - Pad C	Hydraulic hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
July 10, 2018	Coolant	5	L	Construction - Amaruq / Quarry 1	Hydraulic hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
July 10, 2018	Diesel	10	L	Construction - Amaruq - Road 3	Overfilling	Spill was contained and contaminated soil picked up and disposed of appropriately
July 15, 2018	Hydraulic oil	2	L	Amaruq / Quarry 1	Hydraulic hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
July 16, 2018	Transmission oil	95	L	Amaruq / Quarry 1	Hydraulic hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately

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

July 18, 2018	Hydraulic oil	95	L	Amaruq road	Broken hydraulic hose	Spill was contained and contaminated soil picked up and disposed of appropriately
July 21, 2018	Hydraulic oil	83	L	Construction - Amaruq / Quarry	Hydraulic hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
July 21, 2018	Hydraulic oil	83	L	Construction - Amaruq / Quarry 1	Hydraulic hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
July 22, 2018	Hydraulic oil	45	L	Amaruq Road	Hydraulic hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
July 23, 2018	Hydraulic oil	10	L	Construction - Amaruq / Quarry	Hydraulic hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
July 27, 2018	Transmission oil	50	L	Construction - Amaruq / Pad C	Transmission hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
July 29, 2018	Sewage	60	L	Construction - Amaruq / STP	STP plugged screener	Spill was contained and contaminated soil picked up and disposed of appropriately
July 31, 2018	Hydraulic oil	180	L	Amaruq	Hydraulic hose failure	Spill was contained and contaminated soil picked up and disposed of appropriately
July 31, 2018	Diesel	20	L	Construction - Amaruq	Fuel breather malfunction during fueling	Spill was contained and contaminated soil picked up and disposed of appropriately