



## AGNICO EAGLE

August 30<sup>th</sup>, 2019

**Re: Agnico Eagle Meadowbank Mine – Whale Tail Dewatering Discharge Total  
Suspended Solids Exceedance reported on June 6<sup>th</sup>, 2019 - Follow up report**

As required by Water License 2AM-WTP1826 Part H, Item 8b, Section 24(1)(a) of the Metal and Diamond Mining Effluent Regulations and subsection 38 (5) of the *Fisheries Act*, Agnico Eagle Mine Ltd. Meadowbank Division informed you via email on June 6<sup>th</sup>, that the level of Total Suspended Solids (TSS) from the Whale Tail Dewatering discharge exceeded the limits, set out in Water License Part D Item 7 and MDMER Schedule 4, of 22.5 mg/L and 30 mg/L, respectively, for the maximum authorized concentration in a grab sample.

As required by Water License 2AM-WTP1826 Part H, Item 8c and MDMER Section 24 (2), please consider this letter as the written report describing the test results to be submitted 30 days after the tests have been completed.

Water discharge to the Whale Tail South Lake (65°23'49.08" 96°40'58.00") for the regulatory Whale Tail North Dewatering Discharge has been ongoing during the Whale Tail operations and as required by Water License (ST-DD-7) and MDMER (ST-MDMER-5 Whale Tail North basin Dewatering Phase 1, 65°23'51.3" 96°40'49.0"), weekly samples are taken and reported monthly via the NWB Monthly report and on a quarterly basis via the ECCC systems.

The Whale Tail Dewatering Discharge effluent was sampled on May 29<sup>th</sup>, 2019 at 09:30 CT. The discharge was then stopped at 10:00 CT because of a planned long term shutdown; as water levels had decreased sufficiently and maintenance work on infrastructures and equipment was required. Upon verification of preliminary sampling results from the Laboratory of this sample (May 29<sup>th</sup>) on June 6<sup>th</sup> CT, it was observed that total suspended solid (TSS) of 88 mg/L exceeded the regulatory limit of 30 mg/L maximum authorized concentration in a grab sample.

Based on a total flow of 500 m<sup>3</sup> between 9:00 and 10:00 CT on May 29<sup>th</sup>, the quantity of TSS release was estimated at 45 kg.

Previous results in May:

Date	TSS (mg/L)
2019/05/24	18.0
2019/05/25	9.0
2019/05/26	11.0
2019/05/27	8.0
2019/05/28	8.0
Average	10.8



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During this period, regulatory results were below the regulatory limit of 30 mg/L maximum authorized concentration and the maximum authorized monthly mean concentration of 15 mg/L.

As stated previously, with drawdown of water levels and maintenance being planned. The discharge was stopped on May 29<sup>th</sup> and was not restarted in the short term to the Whale Tail South discharge location (ST-MDMER-5 and ST-DD-7).

On July 8<sup>th</sup> 2019, the discharge was restarted to station ST-MDMER-5 concurrently with ST-MDMER-6 as water quality permitted direct discharge to the Whale Tail south diffusor, this pumping was stopped on July 18<sup>th</sup>. Results, including toxicity samples, have showed to be compliant.

Date	Source	Discharge location	Station name
Up to May 29 <sup>th</sup>	Whale Tail North	Whale Tail South	ST-MDMER-5
May 29 <sup>th</sup> to June 10 <sup>th</sup>	No discharge		
June 10 <sup>th</sup> – ongoing	Whale Tail North	Mammoth	ST-MDMER-6
July 9 <sup>th</sup> – July 18 <sup>th</sup>	Whale Tail North	Whale Tail South	ST-MDMER-5

Agnico Eagle has an existing daily TSS/Turbidity monitoring program to follow the water quality to ensure trending of results is followed and compliant.

Given the short duration of discharge between the exceedance on May 29<sup>th</sup> and the stop of the discharge in the receiving environment on the same morning, Agnico is confident that the aquatic environment was protected and not impacted. Core receiving environment monitoring in Whale Tail South has been collected and is ongoing and will confirm these findings.



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Should you have any questions regarding this report, please do not hesitate to contact the undersigned.

Regards,

**Agnico Eagle Mines Limited – Meadowbank Division**

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