

Follow Up Report: #21-481 November 30th, 2021 – Sewage Treatment Plant (STP) Treated Water Spill

The following information relates to spill 21-481 reported by Agnico Eagle Mines Ltd. December 1st, 2021, and is being provided in accordance with:

- the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c
- the Government of Nunavut's, Environmental Protection Act subsection 5.1(a)

Description of Incident

During normal operations, a suction effect from a tee in the piping system triggered a false alarm and activated an interlock that stopped both discharge pumps on the treated water tank. The high limit of the tank also failed resulting in a continuous flow of water to the tank and an eventually overflow. This resulted in a spill of 200 liters of treated water to the ground.

No natural water bodies were impacted with the closest being G2 360 m north. The spill occurred at 63° 2'23"N, 92°13'33"W, within the Meliadine mine site.

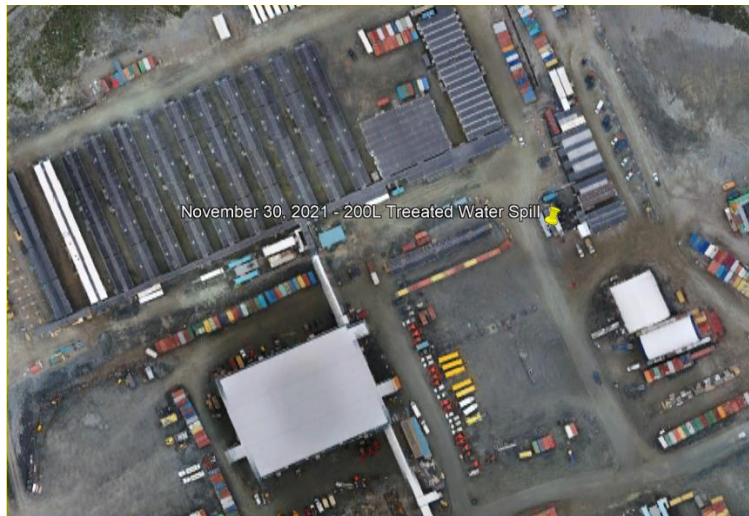


Figure 1: Location of STP treated water spill within Meliadine mine site.



Figure 3: Frozen treated water outside STP.

Spill Response & Cleanup

The plant was shut down to stop the release to the ground outside the tank. The treated water released is normally directed to contact pond 1 (CP1). The majority of the spill migrated underneath the STP and is unable to be collected at this time. In the Spring the spilled Treated water will be captured and directed to CP1 the intended final location.

Cause of Incident and Corrective Measures

The immediate cause was a result of a faulty interlock. The interlock was removed from the discharge pump to prevent the overflow of the treated water tank. As well the treated water overflow line will be rerouted so that it is recirculated back into the system.



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Sent from Meliadine