

May 27th, 2023

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Re: Follow-up Report Spill #2023-183 – Release of 10 L of Sewage at the Meliadine Gold Mine

On May 5th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 20 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 1' 18.74" N, 92° 11' 25.93" W). This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On May 4th, 2023, at approximately 23:00, an estimated 10 L of sewage was spilled onto the fusion pad by the fusion pad wash car due to a fracture in the sewage line. No water bodies were impacted by this spill. The closest water body (J6) is approximately 108 meters south, as seen in Figure 1.



Figure 1: Location of the sewage spill and proximity to water bodies.

Spill Response and Remediation

The operator notified his supervisor of the incident. The supervisor then contacted the environment department to assess the spill. The sewage-impacted gravel and ice was excavated and brought to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:



- The heat tracing system on the sewage piping had been damaged, leading to the heat trace failing and causing the sewage pipe to freeze and fracture.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- A Saniflo toilet system was installed which connects directly to each toilet, eliminating the need for an external holding tank and piping. The sewage line is now more protected from the weather elements and if a spill occurs, it will be contained within the trailer unit.



Should you have any questions or require further information, please do not hesitate to contact the undersigned.



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Sent from Meliadine

Appendix – Photos



Photos 1: Sewage spill location.



Photos 2: Spill location post remediation.