



August 22nd, 2023

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Re: Follow-up Report Spill # 2023-331 – Release of 125 L of Sewage at the Meliadine Gold Project

On August 5th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 125 L of sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2'23.38" N, 92°13'48.34" 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 August 4th, 2023, at approximately 6:00 pm, an estimated 125 L of sewage was spilled onto the industrial pad at the wing 8 lift station. The Energy and Infrastructure department was notified of an overflow occurring at wing 8 lift station. A plumber was dispatched to address the situation and restore the system to its intended operational state. The spilled sewage was contained to the immediate local area, and no water bodies were impacted by the spill. The closest water body (Lake G2) is approximately 208 meters northwest, as seen in Figure 1.



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

Response and Remediation

Upon arrival to wing 8 lift station, the plumber switched the pump from the automatic to the manual setting to lower the level of the tank and prevent further spillage. A vacuum truck was used to clean the free liquid on the ground. The ground surface was hand excavated and the recovered material was brought to Landfarm A as per the Spill Contingency Plan.

Root Cause and Corrective Measures

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

- The float system experienced a malfunction due to the accumulation of oil, grease and debris resulting in the adherence of the floats to the basin's interior. This adherence has consequently restricted the float's ability to ascend with the elevation of the fluid level.

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

- Routine inspection of all compact lift stations that are sealed will be completed as part of the preventive maintenance schedule. This process requires unfastening all bolts holding the lid and seal, followed by visual inspection and cleaning of the float system.

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 A – Photos



Photo 1: Sewage spill location.



Photo 2: Sewage spill location post-remediation.