



January 15th, 2023

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Re: Follow-up Report Spill #2022556 – Spill of 50L of Sewage at the Meliadine Gold Project

On December 17th, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 50L of sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2' 23.60" N, 92° 13' 39.57"). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

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

Description of Incident

On December 17th, 2022, at approximately 8:00 am, an estimated 50L of sewage was spilled to the industrial pad due to an equipment failure at the main camp lift station causing it to overflow. The spilled sewage collected directly underneath the lift station enclosure. No water bodies were impacted by this spill. The closest water body (G2) is approximately 280 meters north, as seen in Figure 1.



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

Spill Response and Remediation

The operator of the sewage treatment plant responded to the red strobe light indicating a high volume of sewage in the main camp lift station. The operator switched the system into manual mode to lower the level in the tank to stop the overflow. The spilled sewage travelled underneath the lift station and is inaccessible. The area will be remediated upon replacement or closure of the lift station.



Root Cause and Corrective Measures

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

- An alternator relay failed which resulted in the system automation malfunction.
- The inside of the lift station is humid and increases the potential for electrical issues.

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

- An external shelter will be built to house the electrical components reducing humidity.
- Increased lift station inspections to twice daily.
- Develop a preventive maintenance program for each lift station (mechanical/electrical) and have automated work orders generated based on the preventive maintenance schedule.

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



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Sent from Meliadine