July 5th, 2024

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*Sent via email: Kyle.Amsel@rcaanc-cirnac.gc.ca*

## Re: Follow-up Report Spill #2024-218 – Release of 50 L of Sewage at the Meliadine Gold Mine

On June 10th, 2024, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 50 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 2' 22.94" N, 92° 13' 32.86" 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 Incidents

On June 9th, 2024, at approximately 16:00, an estimated 50 L of sewage was spilled onto the ground at the C-wing holding tank. An employee observed water dripping from the C-wing floor onto the ground. Upon investigation, the employee observed sewage overflowing from the holding tank and that a push button style faucet was stuck in open position, sending water to the holding tank, thus creating the overflow and spill outside of the building. The C-wing was not occupied at the time of the event and the sewage holding tank was left empty apart from minor residue.

No water bodies were affected by the spill. The nearest water body, Lake G2, is approximately 375 meters northwest, as depicted in Figure 1.

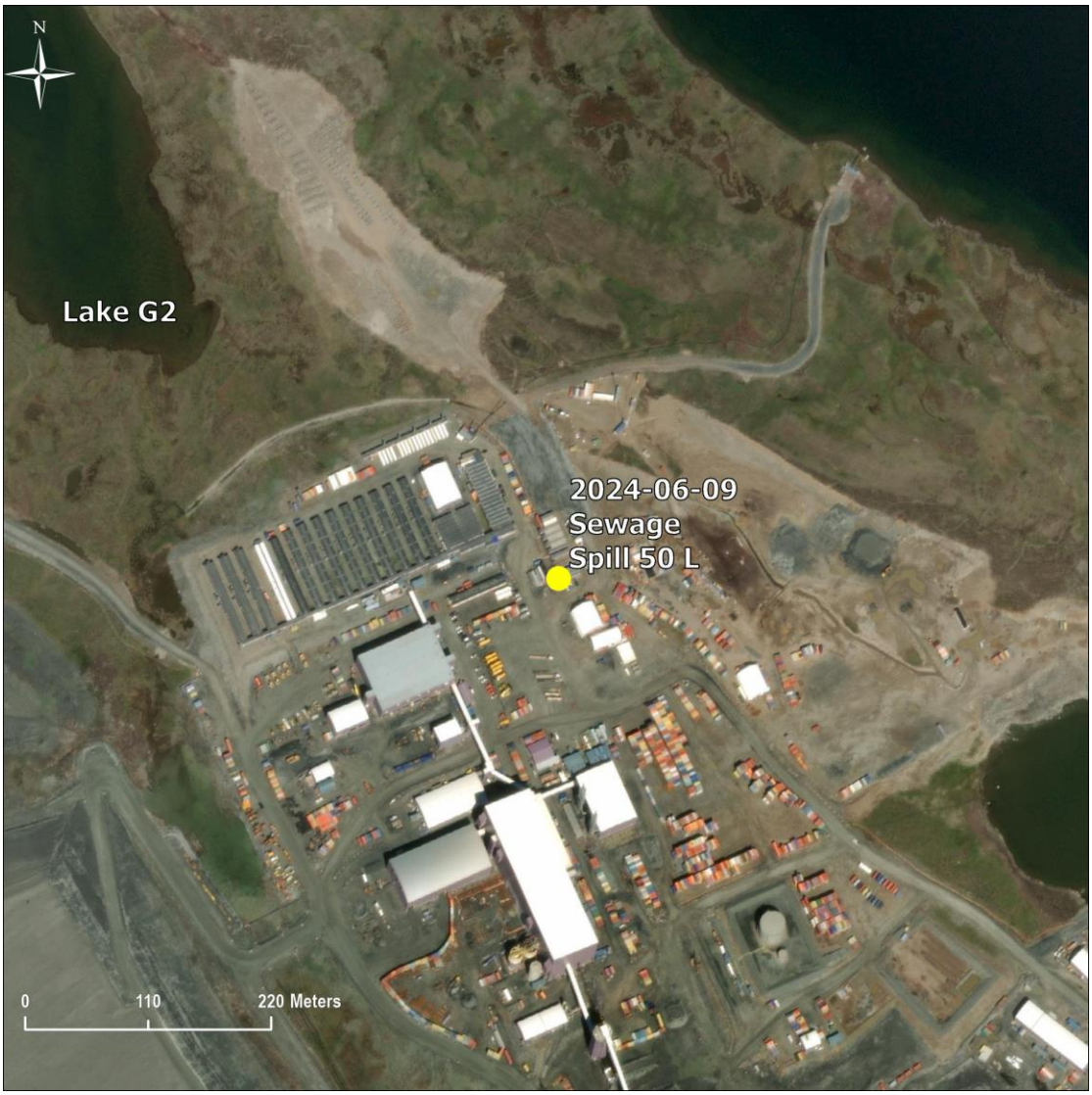


**Figure 1:** Location of the sewage spill and proximity to water bodies.

## Response and Remediation

The employee closed the faucet and the water in the wing, then contacted the Energy and Infrastructure (E&I) maintenance supervisor report the spill and start remediation. After the event, the vacuum truck operator began cleaning up the building and the affected area outside.

## Root Cause and Corrective Measures

An incident assessment was conducted shortly after the incident to determine the extent of the cleanup and confirm the contributing factors and root cause of the spill. The following cause of the spill incident was determined:

- A faulty push button style faucet was stuck in the open position.
- A solenoid was not installed on the High-high level alarm system for it to perform, so it was not triggered.
- There is no strobe on that wing indicating that the High-high level alarm was triggered.

To address the root cause and reduce the likelihood of a recurrence, the following corrective and preventative actions have been implemented:

- A solenoid will be installed on the High-high level alarm system and a strobe will be installed on the building to notify the triggering of the alarm. The work is in planning and will be completed by September 30th.
- When not in use, the water in C-wing will be turned off and the wing will be locked from outside from now on.

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

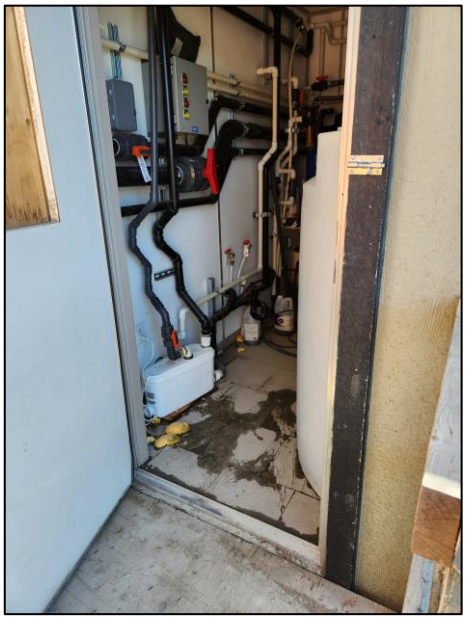

**Photo 1**: Spill location post remediation.

**Photo 2**: Spill location post remediation.