

December 5th, 2023

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Re: Follow-up Report Spill #2023-464 – Release of 50 L of Sewage at the Meliadine Gold Mine

On November 7th, 2023, 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°1'36.68"N, 92°12'44.33"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 November 6th, 2023, at approximately 06:30, an estimated 50 L of sewage was spilled onto the ground at the Orbit Garant holding tank. The facility was serviced but its valve was inadvertently left partially open, allowing for sewage to leak from the valve into the enclosure. No water bodies were impacted by this spill. The closest water body (Lake H5A) is approximately 650 m northeast, as seen in Figure 1.

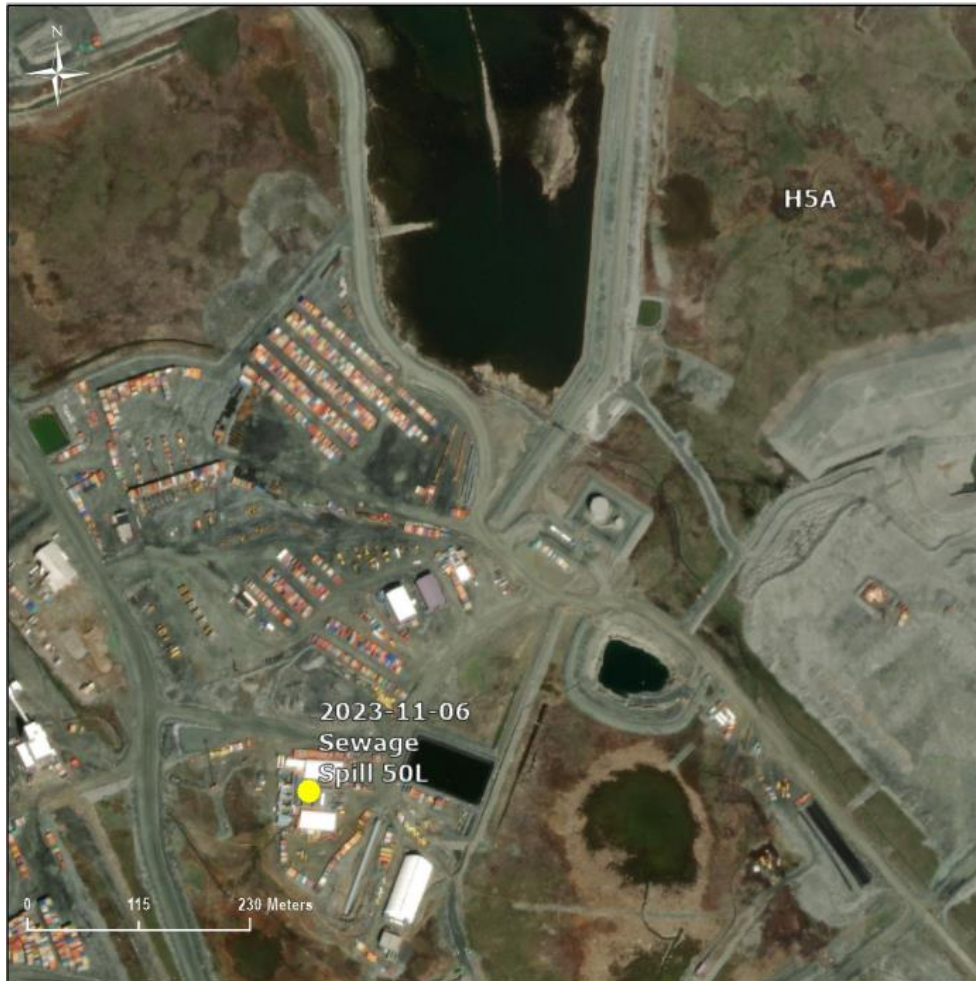


Figure 1: Location of the sewage spill and proximity to water bodies.

Response and Remediation

Upon detection of the spill, a member of the Energy & Infrastructure (E&I) department closed the valve stopping the leak. Following this, E&I personnel used a vacuum truck to remove free liquid within the secondary containment and the ground surface. E&I personnel then hand-excavated the area to recover the contaminated material. Snowfall occurred later in the morning; a loader was utilized to perform a final scraping in the affected area. The material collected was transported 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 spill occurrence was attributed to human oversight, specifically, the operators who last serviced the holding tank and removed sewage failed to secure the valve in the closed position.

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

- Staff were met by supervisors and reiterated the importance of having both operators working on the vacuum truck verify each other's work, reducing the likelihood of a future spill occurrence of this nature.
- The supervisors conveyed to the operators the importance of careful attention in their tasks, emphasizing the critical necessity of not rushing to complete tasks.

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 & 2: Sewage spill location.



Photos 3: Spill location post remediation.