

December 28th, 2023

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

Re: Follow-up Report Spill #2023-509 – Release of 4m³ of Sewage at the Meliadine Gold Mine

On November 29th, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of an unknown quantity of sewage at the Meliadine Gold Mine site (spill location coordinates: 63°2'23.01"N, 92°13'50.20"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 29th, 2023, at 13:00, approximately 4m³ of sewage was inadvertently released to the camp pad due to a damaged sewage distribution line between the accommodations and the Wing 10 lift station. Snow accumulation caused a crack due to direct stress on the line. The nearest water body of water, Lake G2, is located about 250 m northwest as seen in Figure 1.



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

Response and Remediation

The leak was discovered by Energy & Infrastructure (E&I) personnel during snow removal activities after a recent blizzard event. An equipment operator immediately notified their supervisor of the leak and personnel were sent to assess and conduct the necessary repairs. Once the snow was removed and area was made accessible, the damaged section of the line was replaced, and an additional support bracket was installed in this location. Subsequently, E&I personnel excavated the area with a backhoe to recover sewage impacted snow and transported the material to Landfarm A as per the Spill Contingency Plan.

Temporary insulation was installed around the repaired section of the distribution line. A work order was created to complete the final insulation of the line and will be completed in the coming days.

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:

- Insufficient support beneath the sewage line.

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

- Installation of additional sewage line support brackets.
- Audit to be conducted on all the accommodation wing sewage distribution lines to determine if this risk is present elsewhere.
- Install a protective canopy over the lift station sewage intake and discharge lines to prevent snow accumulation on the infrastructure.

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



AGNICO EAGLE

MELIADINE



Photo 1: Sewage spill location.



Photo 2: Spill location post snow removal.



Photo 3: Spill location post remediation.