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## **Re: Follow-up Report Spill #2023-517 – Release of 10 L of Sewage at the Meliadine Gold Mine**

On December 11<sup>th</sup>, 2023, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 10 L of sewage at the Meliadine Gold Mine site (spill location coordinates: 63° 2' 24"N, 92° 13' 45"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 December 11<sup>th</sup>, 2023, at approximately 11:30, an estimated 10 L of sewage was spilled onto the industrial pad at the wing 4 lift station. Due to a site power outage, the transfer pump did not engage allowing the lift station holding tank to overflow. No water bodies were impacted by the spill. The closest water body (Lake G2) is approximately 220 m northwest, as seen in Figure 1.



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

## Response and Remediation

Once power was restored, the environment department conducted an inspection of the site sewage system. During this inspection, an employee observed the presence of sewage outside the wing 4 lift station enclosure. Upon further inspection, the secondary containment was observed to be full and had overflowed. In response, a vacuum truck was dispatched to pump out the sewage that accumulated in the lift station secondary containment. 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 incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:






- A site wide power outage resulted in the wing 4 lift station losing power and overflowing. Washrooms and laundry machines in wing 4 were in use at the time of the power outage. The water and sewage generated exceeded the capacity of the lift station holding tank.

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

- In the event of a power outage the water supply at the camp accommodation wings will be immediately shut off to prevent lift station overflows from occurring. This will also provide the Energy and Infrastructure department adequate time to systematically inspect and bring sewage system back online.

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



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## **Appendix – Photos**



**Photo 1:** Sewage spill location.



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