



August 24th, 2022

Christine Wilson
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: Christine.Wilson3@rcaanc-cirnac.gc.ca

Re.: Follow-up Report: Spill #2022357– Release of 2m³ of Emulsion at the Meliadine Gold Project

On July 29th, 2022, the Nunavut Spill Line was notified by AEM personnel via email (spills@gov.nt.ca) of a spill of approximately 2m³ of emulsion at the Meliadine Gold Project site (spill location coordinates: 63° 2' 39.54"N, 92° 15' 20.33", E2 regulations Facility ID#1524.). This follow-up report provides supplemental information based on the results of the incident investigation conducted for this incident and is being provided in accordance with:

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

Description of Incident

On July 28th, 2022, at approximately 11:30 am, an estimated 2m³ of emulsion was spilled on surface at the emulsion plant. An overflow from tank RU7000 (T3) occurred during underground emulsion production. No water bodies were impacted by this spill. The closest water body (G8) is approximately 315 meters north as seen in Figure 1.

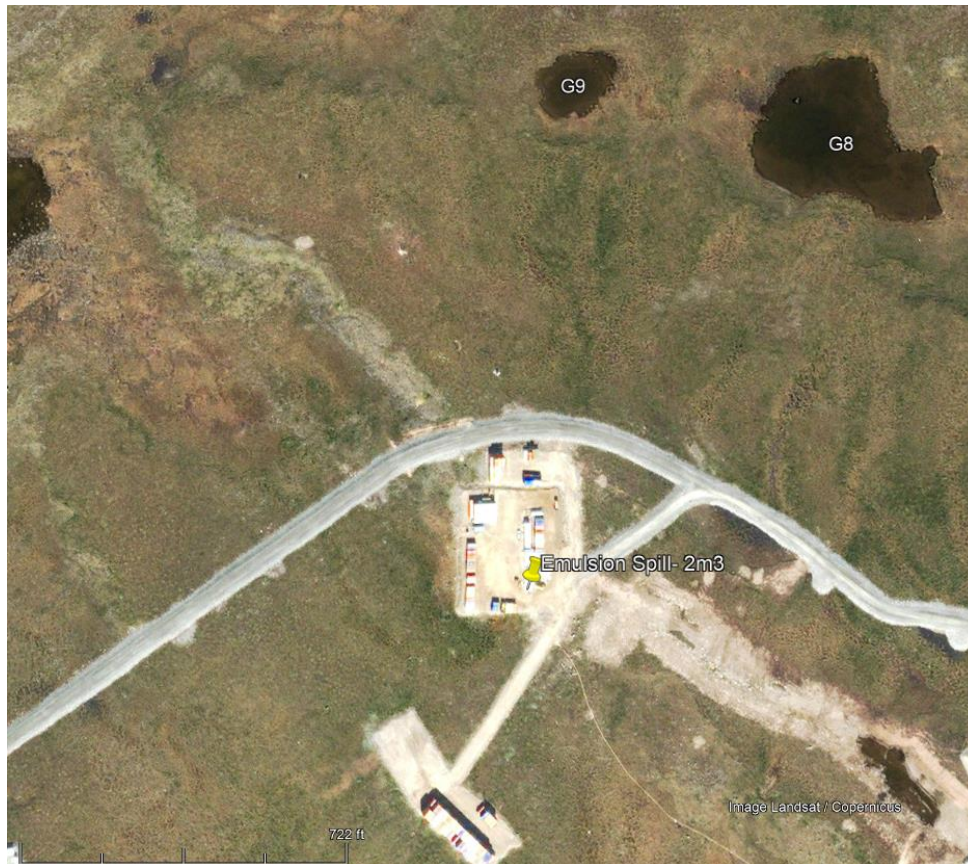


Figure 1: Location of emulsion spill and proximity to water bodies.

Spill Response and Remediation

Spilled emulsion was pumped into a tote for reuse. Residual emulsion not suitable for reuse was hand excavated and will be placed into open pit boreholes for final disposal as per the Explosives Management Plan.

Root Causes and Corrective Measures

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

Prior to manufacturing the batch of emulsion, the tank inventory sheet was verified to ensure there would be enough room to produce the required amount of emulsion. However, it was later discovered that an



error was made on the available underground emulsion tank inventory which led to the emulsion production tank overflowing.

- The process in place to verify tank inventory prior to the production of emulsion needs to be strengthened.

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

- The tank inventory sheet is now updated by the person filling bins/producing emulsion;
- A field for weights/quantities on the back of the work cards has been added as a reminder;
- All operators indicate what bins have been loaded and emulsion produced on the back of their work cards
- High level sensor has been installed on August 23rd
- The site supervisor now verifies tank inventory daily and compares it to billing information;
- Each time tanks are emptied a visual confirmation is made and noted on the inventory sheet;
- Visual confirmation of the tank level is made prior to large production blends (>10,000kg).

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



Randy Schwandt | Environment Coordinator

randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 |

Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut,
Canada X0C 0G0

agnicoeagle.com     

Sent from Meliadine



Appendix – Photos

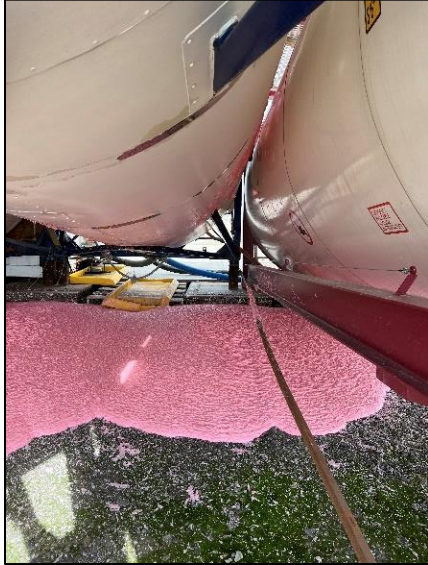


Photo 1: Emulsion spill at tank RU7000



Photo 2: Spill remediation beneath tank RU7000