

Follow Up Report: #2022097

March 25th 2022, Emulsion Spill



The following information refers to spill 2022097 reported by Agnico Eagle Mines Limited March 25th, 2022, and is being provided in accordance with:

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

Description of Incident:

On March 25th at approximately 14:00, an estimated 2 kg of emulsion was identified during snow removal operations on the emulsion pad.

No water bodies were impacted by this spill. The closest natural water body (G9) is 365 m from the spill location. The coordinates of the spill are 63° 2'38.33"N, 92°15'24.59"W (Figure 1).



Figure 1: Location of 2kg emulsion spill

Spill Response & Cleanup:

Emulsion plant personnel collected all impacted snow and ice and placed it in the Dyno Equipment Shop to thaw. The melted material was collected in the floor sump and transferred to a tote for disposal as hazardous waste.

It was determined that there was no risk of ignition during spill cleanup. Emulsion requires high pressure and a heat source for detonation and none of these conditions were present or susceptible of being present during the spill cleanup.



Figure 2: Impacted material in Dyno Equipment Shop to melt



Figure 3: Dyno Equipment Shop collection sump



Figure 4: Final cleanup

Cause of the Incident and Corrective Measures

The cause and occurrence time of the spill could not be determined, therefore the corrective measures focused on spill reporting rather than on the root cause of the spill.

Toolbox talks were conducted by Dyno Nobel (the Contractor responsible for the production of emulsion on site) supervisors to review the importance of spill reporting and remind crews of the spill reporting procedures.

Dyno Nobel supervisors also reviewed the Filling RU Bins Standard Operating Procedure and the HT-1545 RC Truck Operations Procedure with the Dyno Nobel employees to ensure proper work procedure are used to prevent future spills as the spill could have occurred during loading operations.



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