

# Follow Up Report: #2022136

## April 18<sup>th</sup>, 2022

### 0.5 L Engine Oil on Water Body A8 – Drill Rig#7

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The following information refers to a spill reported by Agnico Eagle Mines Limited. on April 18<sup>th</sup>, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water License, part H, item 4c;
- the Fisheries Act subsection 38(7).

#### Description of Incident:

On April 18<sup>th</sup>, 2022 at approximately 11:30, Environment Technicians were conducting an inspection of surface Drill# 7 M22-3396, operated by Orbit Garant. During the inspection, areas with small amounts engine oil coming out of the drill shack and from underneath the drill onto the lake ice were observed. It is estimated approximately 0.5 L of engine oil was released onto the lake ice.

The coordinates of the spill are: 63° 0' 39.3" N, 92°12' 17.1"W, on the water body A8



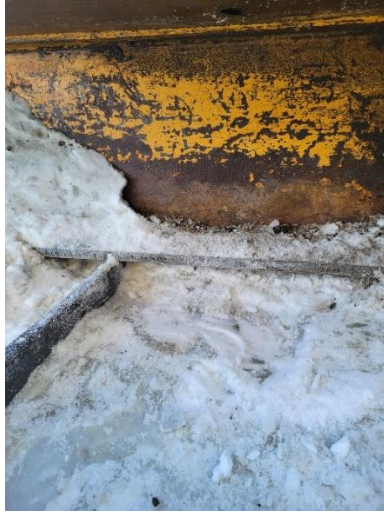
**Figure 1: Incident Location**

#### Spill Response & Cleanup:

During the inspection, Environment technicians notified the drillers of the issues and the Orbit Garant supervisor was also notified. Absorbent pads were placed to clean the engine oil and a shovel was used to clean up the remaining material. The contaminated snow and ice were disposed in a quatrex bag.

A sample was taken on April 21<sup>st</sup>. The ice sample was sent to the laboratory for analysis of the following parameters: BTEX, F1-F4 Hydrocarbons, Oil & Grease, total metals, Conductivity, pH, and Total Suspended Solids (TSS).

Results showed concentrations below detection limit for BTEX, F1-F4 Hydrocarbons and Oil & Grease. For reference, the maximum concentration of any grab sample applicable to Effluent discharge in Meliadine Lake at monitoring station MEL-7 is of 5 mg/L for Oil & Grease and no visible sheen, as per Water Licence 2BB-MEL1424 Part D Item 11. The certificate of analysis is attached and identified as Appendix A.

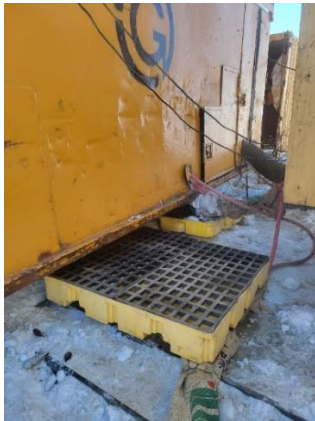


**Figure 2: Spill Location – Post cleanup**

### **Cause of Incident and Corrective Measures:**

The release was a result of a human error as the worker didn't use a funnel to fill the tank. Some engine oil was spilled inside the drill and released outside the drill through the drain hole.

Funnels are now used. A spill tray was also installed under the drain hole to collect any other substance that could be released through the drain hole.



**Figure 3: Spill tray installed under the drain hole**

Preventive inspections continue to be completed by the Environment Department, Geology Department and the drill crews to identify potential concerns.



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Sent from Meliadine

## **Appendix A**

