

Follow Up Report: #18-313

June 20, 2018 Itivia Surface Water Run-off

Description of Exceedance:

While conducting a routine inspection on June 20th, surface run-off water was observed at sampling station MEL-SR8 east of the Itivia Laydown and Storage Facility Pad. Samples were collected for laboratory analysis to assess the TSS concentration and other water quality parameters. The laboratory results were received on July 6, 2018 and TSS concentrations were 260 mg/L and exceeded the criteria of 100 mg/L, as per the obligations under the Nunavut Water Board License 2AM-MEL1631, Part D, item 18.

The sampling location is referred to as MEL-SR8 and is shown in Figure 1.



Figure 1: Sample location MEL-SR8 shown east of the Itivia Laydown

Spill Cleanup:

Straw logs were placed downstream of the source to reduce TSS flow to Melvin Bay.

Spill Cause and Corrective Measures

Run-off was caused by snow melting inside and outside the site disturbance area. Silt fences and straw logs have been installed upstream and downstream of the site and are inspected weekly. A third party consultant has inspected the area to recommend improvements to mitigate and reduce erosion and

sediment control. The consultant's findings will be summarized in a final report and issued to regulators on August 24th