

Follow Up Report: #18-231

May 27, 2018 Itivia Surface Water Run-off

Description of Exceedance:

While conducting a routine inspection of the Itivia construction site on May 27th, turbid surface water run-off was observed crossing over a roadway and through a culvert into Melvin Bay.

Spill response:

As per the obligations under the Nunavut Water Board License 2AM-MEL1631, Part D, item 18 pursuant to subsection 12(3) of the Nunavut Waters and Nunavut Surface Rights Tribunal Act., samples were collected for laboratory analysis to assess the TSS concentration and other water quality parameters. The laboratory results were received on June 15th and showed that TSS concentrations exceeded those outlined in the Type A water license for discharge/release into a water body.

Spill Cleanup:

Clean up was not applicable as surface water run-off diluted into seawater.

Spill Cause and Corrective Measures

Run-off was caused by snow melting inside and outside the site disturbance area. A sediment trap was created using gravel and straw logs prior to the run-off event being sampled. The sediment traps were not effective enough to reduce TSS below acceptable levels. Improving the snow management plan and following the procedure will help reduce run-off volumes in the future.



Picture 1: Sampling location between access road and Melvin Bay.



Picture 2: Sample location immediately after sediment controls at culvert.