

March 13, 2022

Mr. Mason Mantla Chair
Wek'èezhii Land and Water Board
#1, 4905-48th Street
Yellowknife, NT
X1A 3S3

Jamie Steele
North Slave Regional Office
Department of Lands
Government of the Northwest Territories
#16 Yellowknife Airport
Yellowknife, NT
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Subject: W2016D0003: Spill 2022061 Report

Pursuant to Part C Condition 18(c) of Land Use Permit W2016D0003, Arctic Canadian Diamond Company Ltd. (Arctic) is providing a detailed report on Spill 2022061 which occurred March 01, 2022, at the Sable Development.

Summary

At 7:30 AM on March 01, 2022, 200 L of wastewater/sewage (sewage) spilled directly adjacent to the Sable Office Complex. The location of the spill was: Southwest corner of the Sable Office Complex.

Lat: 64.850998N
Long: -110.529323W

Root Cause

The electric heat trace was not working; the breaker also tripped inside the office panel, which resulted in the pipe freezing and cracking (see photo 1.). When the pipe cracked it resulted in sewage spilling onto disturbed ground.

Immediate Action Taken

A crew was deployed to build hoarding and set up a hot box. While the pipe was being repaired a bucket was placed under the pipe to catch sewage (see photo 2.). A vacuum truck was used to clean up sewage. The cracked pipe was repaired on March 01, 2022 at 4:30 PM.

Follow Up Action Taken

After the initial clean up and pipe repair another crack in the pipe occurred on March 02, 2022. This resulted in a secondary spill in the exact same location (see photo 3.). On March 04, 2022, heavy equipment scraped the impacted snow and ice from the secondary spill; it was piled in preparation for loading and hauling (see photo 4.). On March 13, 2022, impacted snow and ice were loaded into a 730 articulated haul truck and dumped in Zone S – Panda/Koala (i.e., suitable disposal site).



Photo 1: View of cracked pipe which resulted in the initial spill. Photo taken facing north on March 01, 2022.



Photo 2: View of bucket placed under the pipe (to capture sewage) while it was repaired. Photo taken on March 01, 2022.



Photo 3: View of frozen sewage from the secondary spill. Photo facing north.



Photo 4: View of impacted snow and ice (frozen sewage) pile in preparation for loading and hauling to Zone S – Panda/Koala. Photo taken on March 12, 2022.



Arctic Canadian Diamond Company Ltd.

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We trust this report is clear and informative. If you have any questions or comments, please contact the undersigned at Jonah.Kelly@arcticcanadian.ca or (867) 880-4400 ext. 2293.

Yours Sincerely,

A handwritten signature in black ink, appearing to read "Jonah Kelly", is written over a circular stamp or seal.

Jonah Kelly
Environment Advisor – Environmental Operations
Arctic Canadian Diamond Company Ltd.