

December 28, 2022

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**Subject: W2016D0003: Spill 2022547 Report**

Pursuant to Part C Condition 18(c) of Land Use Permit W2016D0003, Arctic Canadian Diamond Company Ltd. (Arctic Canadian) is providing a detailed report on Spill 2022547 which occurred on December 5, 2022, at the Koala tailings line between the process plant and south end of the truck shop.

**Summary**

At 16:30 PM on December 5, 2022, it was identified that the Koala Tailings line had spilt an approximate 12,000 L of diesel onto disturbed ground on the berm between the truck shop and the process plant. The spill covers an approximately 50m<sup>2</sup> area (see photos).

UTM Easting: 518089  
UTM Northing: 7176626

**Root Cause**

The section of the tailings line that cracked did not appear to have a heat trace system. This suggests that the tailings material likely froze in the pipe causing a pressure build up which ultimately resulted in the crack in the line.

**Immediate Action Taken**

Upon discovery the pumping of the line was immediately stopped thereafter all remaining discharge was moved along the backup line into Cell C of the LLCF. Following this the area of the leak was identified and the component replaced. The spill is located proximal to a series of electrical lines and therefore any significant excavation of the spill will risk damaging these lines. Any of the spill that is accessible at a safe distance from the electrical lines has been excavated and deposited in the appropriate waste stream. Further clean up of the area will be conducted in springtime when the spill melts.

**Follow Up Action Taken**

A detailed clean up strategy will be proposed early in the new year. The site will be inspected on a weekly basis until any signs of thawing are apparent upon which the cleanup program will commence.

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## Field Photographs



*Photo 1: Facing E Spill 2022547 immediately after spill occurrence placed a cover over the damaged area of Koala tailings line.*



*Photo 2: facing S Spill 2022547 flow from the affected pipe heading down the berm towards the process plant building.*



# ARCTIC CANADIAN DIAMOND COMPANY

*Naturally Beautiful. Mined Right.*

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

Yours Sincerely,

Peter Stepan  
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Arctic Canadian Diamond Company Ltd.