



September 24, 2019

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Subject: W2016D0003: Spill 2019353 Report

Pursuant to Part C Condition 18(c) of Land Use Permit W2016D0003, Dominion Diamond Mines ULC (Dominion) is providing a detailed report on Spill 2019353 which occurred on August 29, 2019 within Sable Pit.

Summary

At 1:30 am on August 29, 2019 a 1,000 L hydraulic oil spill occurred within the Sable Pit in blast pattern SB434-06 (See Figure 1 for location). A CAT6060 Shovel (Unit 2569) swing hose rubbed through causing hydraulic oil to spray out under high pressure.

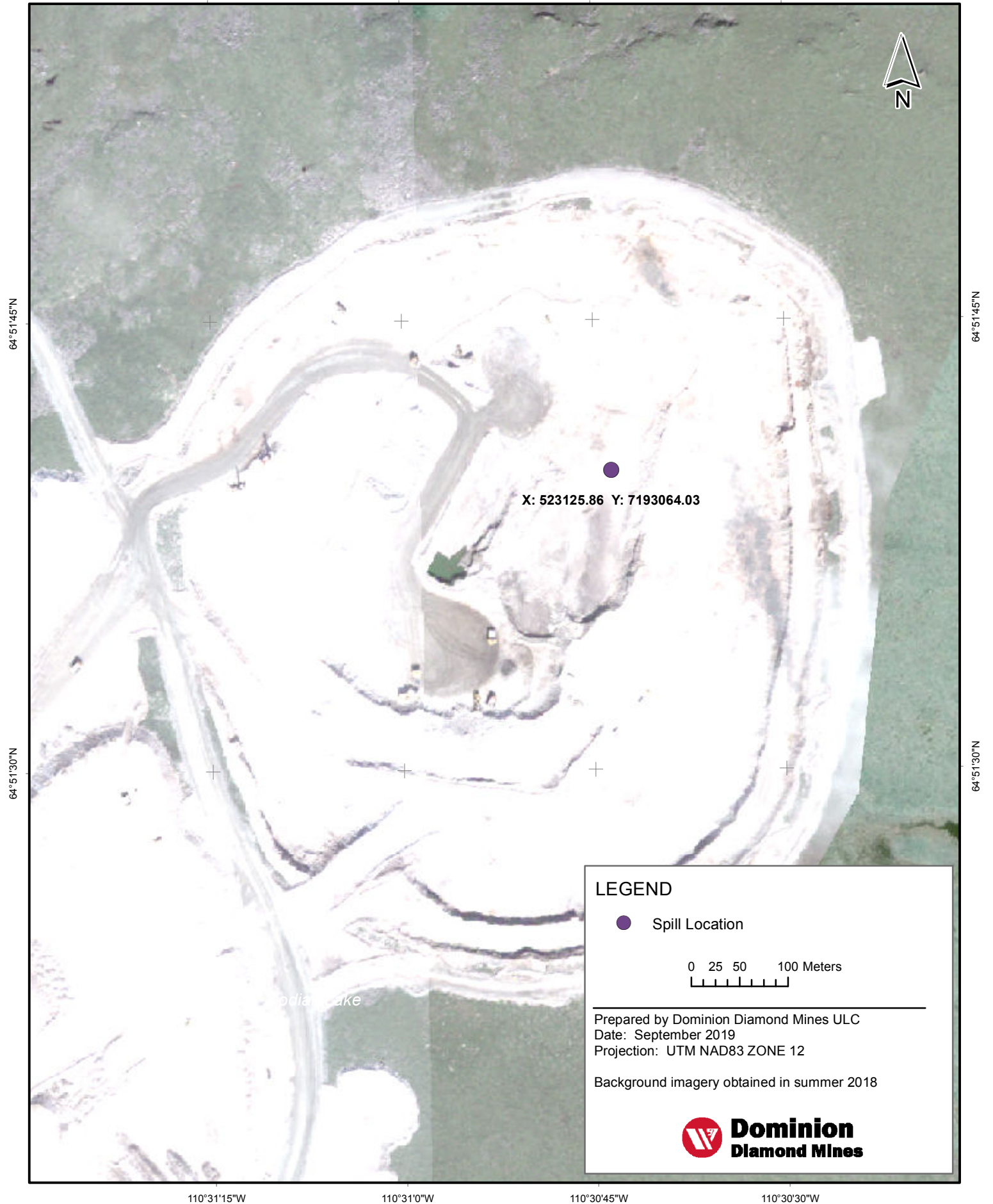
Root Cause

Wear and tear of the swing hydraulic hose caused the line to rupture. The darkness and wet, muddy conditions prevented the operator from noticing the spray initially.

Immediate Action Taken

The operator shut down the equipment and contacted their Team Leader. The unit could not operate, and the Surface Mining team arranged for the unit to be moved out of the pit for repair and to gain access to the spilled material.

**Figure 1: Location of Spill 2019353
Sable Pit, Ekati Diamond Mine**




LEGEND

- Spill Location

0 25 50 100 Meters

Prepared by Dominion Diamond Mines ULC
Date: September 2019
Projection: UTM NAD83 ZONE 12

Background imagery obtained in summer 2018



110°31'15"W 110°31'0"W 110°30'45"W 110°30'30"W



Follow Up Action Taken

- The wet conditions and placement of the 6060 Shovel made it difficult to immediately address the spill. Once the 6060 Shovel was moved on the morning of August 29th, spill booms were attached to together and dragged across the bench to coral the hydraulic oil (see Figure 2). The vacuum truck was used to remove the contaminated liquids (see Figure 3). The vacuum truck transported the contaminated liquids back to Main Camp and emptied them into totes for off-site disposal. Some contaminated solids were recovered as well, and they were disposed of in Zone S.

Figure 2. Spill booms used to coral hydraulic oil within Sable Pit



Figure 3. Vacuum truck used to recover hydraulic oil



We trust this report is clear and informative. If you have any questions or comments please contact the undersigned at dustin.chaffee@ddcorp.ca or (867) 669-6164 or Lynn Boettger at lynn.boettger@ddcorp.ca or (867) 766-6914.

Yours Sincerely,



Dustin Chaffee
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