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Mr. Tom Bradbury  
Resource Management Officer III (Inspector)  
North Slave Regional Office  
Department of Lands  
Government of the Northwest Territories  
#140 Bristol Avenue  
Yellowknife NT, X1 A3T2

01 November 2020

Our reference: DDMI Incident 1000561054  
Your reference: GNWT Spill 2020401

Dear Mr. Bradbury,

**Subject: Follow-up to GNWT Spill Report 2020401**

**Summary:**

On Oct 13, 2020 at around 12:00 am, a gasket failed on Line 315 Train #2 – a pipeline carrying process plant water and Fine Processed Kimberlite (FPK) slurry to the Processed Kimberlite Containment Facility (PKCF). The resulting leak released an estimated 150 m<sup>3</sup> of water and 3 m<sup>3</sup> of FPK slurry onto the road near the PKCF muster station before the leak was discovered and flow shut down at 07:12 am on Oct 15, 2020. The spill affected an area of approximately 300 m<sup>2</sup>.

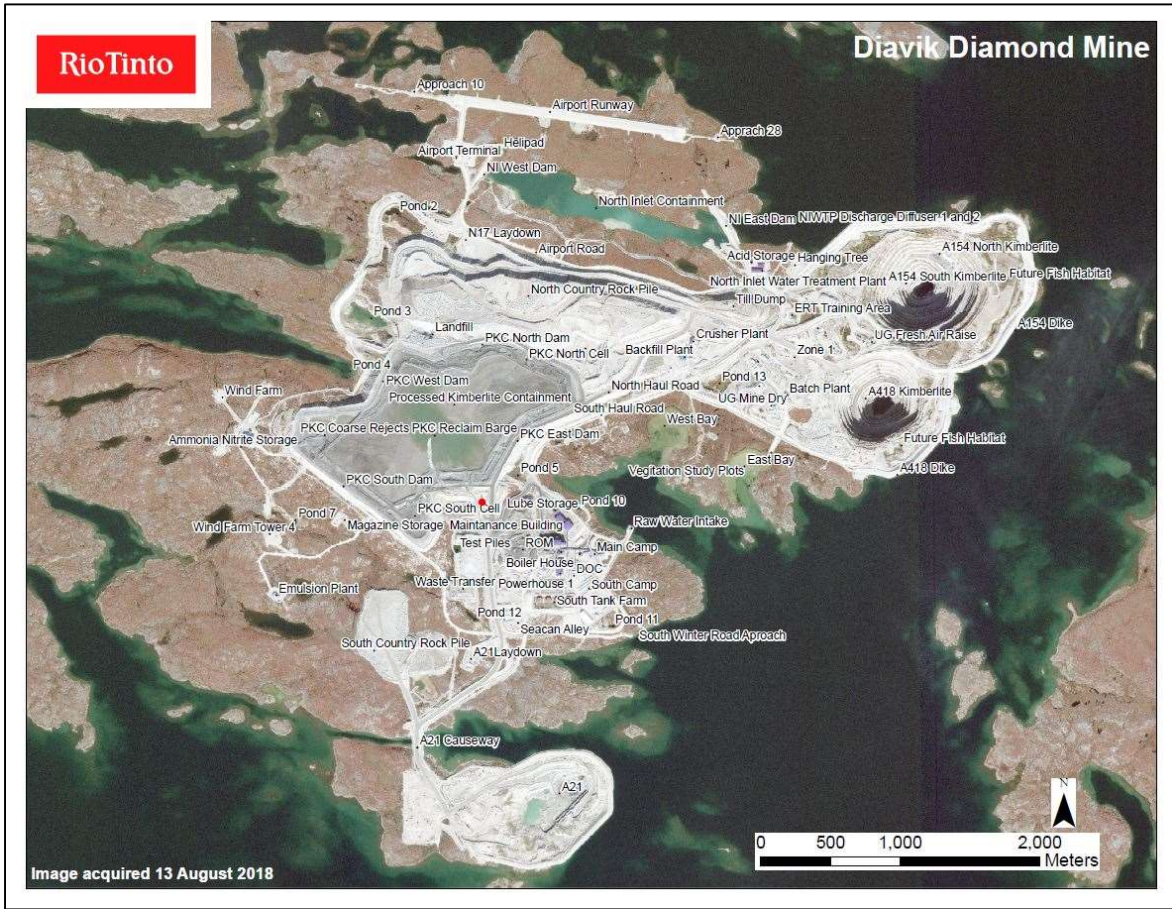


Figure 1 Location of spill 2020401 at the PKC Muster Station.



Figure 2 Initial spill of FPK slurry



Figure 3 Spill 2020401 after scraping of area occurred and recovered FPK slurry taken to PKCF. Some frozen material remains to be recovered in spring 2021.

**Immediate Action:**

The process plant control room was notified and flow through the pipeline shut down. The gasket was then replaced.

Heavy snowfall on Oct 15, 2020 caused whiteout conditions with local area driving restrictions, slowing response. The majority of the FPK slurry was scraped up with a loader and disposed of in the PKCF; however, snow cover and freezing conditions prevented recovery of all of the material.

**Follow-up Action:**

DDMI reviewed the incident with the operator and with work crews.

A follow-up notification has been entered in our spill management system to assess the area during spring thaw and scrape up any remaining FPK slurry.

Should you require further information or clarification on the above noted spill, please feel free to contact the undersigned at (867) 669-6500 x5403.

Yours sincerely,



Mark Nelson  
Supervisor – Environment

cc     Kassandra DeFrancis (WLWB)