

Diavik Diamond Mines (2012) Inc.
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Mason Mantla, Chair
Wek'èezhii Land and Water Board
PO Box 32 Wekweèti, NT XOE 1WO, Canada

10 June 2022

Dear Mr. Mantla:

Re: DDMI Final PKCF Update – 2022 Freshet

Diavik Diamond Mines (2012) Inc. (DDMI) hereby submits to the Wek'èezhii Land and Water Board (WLWB or Board) its final update on the state of the Processed Kimberlite Containment Facility (PKCF) during 2022 freshet as part of DDMI's biweekly reporting to the WLWB as per the WLWB approved Processed Kimberlite Management Plan Version 6.1.

Status of 2022 Freshet

- Freshet is complete.
- Daytime high temperatures have ranged between +8 °C and +19 °C over the last week.

Current Status of PKCF Water Balance

- ~9,400 m³ of North Inlet water added per day as part of the Fine Processed Kimberlite (FPK) slurry.
- ~1,200 m³ of Runoff Collection Pond water added per day as part of the Fine Processed Kimberlite (FPK) slurry.
- ~2,950 m³ of Raw Lac de Gras water added per day as part of the FPK slurry and Coarse Processed Kimberlite (CPK).
- ~340 m³ per day of PKCF intercepted water recycled back into the PKCF as part of the FPK slurry.
- ~345 m³ per day of PKCF intercepted water removed from the PKCF.
- ~13,500 m³ per day of PKCF surface water pumped from the Northwest Decant Sump to the North Inlet.

Current Status of PKCF and Pond 3 Storage Capacities in Comparison to the Storage Capacity Required to Safely Manage the EDF and IDF

- Combined PKCF and Pond 3 Catchment IDF (Inflow Design Flood) required storage volume = 780,000 m³.

- ~243,000 m³ of available water storage capacity within the PKCF.
- ~916,000 m³ of available water storage capacity within Pond 3.
- ~134,000 m³ of available water storage capacity above what is required to store the IDF within Pond 3.

Description of Ongoing and Planned Water Management Activities

In accordance with the TARP, DDMI has implemented the following responses to manage the current conditions:

- The Northwest (NW) Decant Sump has been operational since May 2, 2022 and pumping at its maximum capacity of ~13,500 m³ per day since May 6, 2022, aside from occasional maintenance.
- Survey of NW Decant Sump Pond elevation every day as required.
- Ensuring that the Spillway is open and free of obstructions.
- Regular PKCF Water Management Plan operational reviews and contingencies development with support from Engineer of Record.
- Construction of PKC Spillway chute into Pond 3 is ongoing.

State of Compliance with PKCF Plan V6.1 and Related Diavik Water Licence Conditions during 2022 Freshet

- DDMI has activated an internal Trigger Action Response Plan (TARP) to closely manage the pond elevation in the NW Decant Sump, processed kimberlite deposition, and Pond 3 storage capacity for an IDF.
- DDMI completed a test of the emergency response plan (ERP) for the PKCF in March 2022 in advance of the 2022 freshet. The test focused on emergency response actions to be implemented in a sunny day breach at the west dam of the PKCF scenario.

Please do not hesitate to contact the undersigned if you have any questions regarding this submission.

Yours sincerely,



Kofi Boa-Antwi
Superintendent, Environment

cc: Marie-Eve Cyr, WLWB
Anneli Jokela, WLWB
Joseph Heron, GNWT Lands

Drone Photo – Looking Northwest at Pond 3 (June 7, 2022)



Drone Photo – Looking East at PKCF NW Decant Sump (June 7, 2022)

