

Mason Mantla, Chair
Wek'èezhii Land and Water Board
PO Box 32
Wekweèti, NT X0E 1W0, Canada

May 31, 2024

Dear Mr. Mantla,

Subject: DDMI PKCF 2024 Freshet Update Report

Diavik Diamond Mines (2012) Inc. (DDMI) hereby submits to the Wek'èezhii Land and Water Board's (WLWB or Board) an update on the state of the Processed Kimberlite Containment Facility (PKCF) during 2024 freshet as part of DDMI's biweekly reporting to the WLWB as per the WLWB approved Processed Kimberlite Management Plan Version 7.1.

Status of 2024 Freshet

- Freshet began on May 6th with peak melt and runoff occurring between May 21st and May 25th.
- Most of the snow within the PKCF and Pond 3 catchments has melted.
- Daytime high temperatures over the last week have averaged +11 °C.

Current Status of PKCF Water Balance

- In April 2023, Fine Processed Kimberlite (FPK) deposition into the PKCF stopped and has since been directed to the A418 open pit and mine workings. A short period of FPK deposition to the PKCF was required between September 17 and October 18 to build up an area of the FPK beach that settled over the summer due to ice rich FPK melt out.
- Approximately 56,500 m³ of runoff water has been pumped from the Northwest (NW) Decant Sump since pumping began on May 14th, 2024.
- Approximately 430 m³ of PKCF intercepted pore water is removed from the PKCF daily.

Current Status of PKCF and Pond 3 Storage Capacities in Comparison to the Storage Capacity Required to Safely Manage the (Environmental Design Flood) EDF and (Inflow Design Flood) IDF

- Combined PKCF and Pond 3 Catchment IDF required storage volume = 780,000 m³.
- Available water storage capacity within the PKCF as of May 30th = approximately 179,000 m³.
- Available water storage capacity within Pond 3 as of May 30th = approximately 886,000 m³.
- Available storage capacity within Pond 3 above what is required to store the IDF = approximately 106,000 m³ as of May 30th.

Description of Ongoing and Planned Water Management Activities

In accordance with the Trigger Action Response Plan (TARP), DDMI has implemented the following responses to manage the current conditions:

- The PKCF Emergency / Operational Spillway will be kept clear of snow and other obstructions.
- The NW Decant Sump is operational with a maximum pumping capacity of approximately 9,500 m³ per day, and is being run manually when needed. A floating pump has been made available to supplement or replace the NW Decant Sump pumps but has not been needed.
- A pump was installed in Pond 3 on May 25th and run until May 27th draining the pond completely.
- The NW Decant Sump Pond and Pond 3 are inspected daily, and water elevations will be surveyed and reviewed twice weekly throughout freshet.
- DDMI will conduct regular PKCF Water Management Plan operational reviews and develop contingencies with support from the Engineer of Record if required.

State of Compliance with PKCF Plan V7.1 and Related Diavik Water License Conditions during 2024 Freshet

- DDMI continues to implement an internal TARP to closely manage the pond elevation at the NW Decant Sump, and Pond 3 storage capacity for an IDF.
- DDMI completed a test of the Emergency Response Plan (ERP) for the PKCF in March 2024 in advance of the 2024 freshet. The test focused on emergency response actions to be implemented in a sunny day breach at the East PKCF Dam.

Please contact the undersigned or Kyla Gray (kyla.gray@riotinto.com) if you have any questions regarding this submission.

Yours sincerely,



Nicole Goodman
Superintendent, Environment & Closure
Cross shift: Mark Nelson

CC: Marie-Eve Cyr, WLWB
Anneli Jokela, WLWB
Joseph Heron, GNWT-ECC Lands Inspector