

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

May 03, 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 has not commenced.
- Daytime high temperatures over the last week averaged -9 °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 A18 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.
- No water has been pumped from the Northwest (NW) Decant Sump since October 29, 2023.
- Approximately 415 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 1st = approximately 124,00 m³.
- Available water storage capacity within Pond 3 as of May 1st = approximately 925,000 m³.
- Available storage capacity within Pond 3 above what is required to store the IDF = approximately 145,000 m³ as of May 1st .

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:

- Snowbanks blocking the PKCF Emergency / Operational Spillway were removed during the week of April 15, 2024, keeping flow paths open and unobstructed throughout freshet.
- The NW Decant Sump was operational with a maximum pumping capacity of approximately 13,000 m³ per day when pumping stopped in late October 2023. The sump has been kept dry and thawed since. A floating pump has been made available to supplement or replace the NW Decant Sump pumps if needed.
- A pump will be installed in Pond 3 as soon as freshet begins and there is enough water to pump.
- The NW Decant Sump Pond and Pond 3 are inspected daily, and water elevations will be surveyed and reviewed daily once freshet begins.
- 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