

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

May 05, 2025

Dear Mr. Mantla,

**Subject: DDMI PKCF 2025 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 2025 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 2025 Freshet**

- Freshet has not commenced although there have been a few days in the last 2 weeks where minor localized melting and refreezing within the PKCF have occurred.
- Daytime high temperatures over the last week have averaged -8 °C.

**Current Status of PKCF Water Balance**

- No FPK Slurry has been deposited in the PKCF since October 18, 2023.
- No water has been pumped from the Northwest (NW) Decant Sump since October 17, 2024.
- Approximately 465 m<sup>3</sup> 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**

- Volume required to safely store the Combined PKCF and Pond 3 Catchment IDF = 780,000 m<sup>3</sup>.
- Available water storage capacity within the Main Cell of the PKCF as of April 26<sup>th</sup> = approximately 186,00 m<sup>3</sup>.
- Available water storage capacity within Pond 3 as of May 05<sup>th</sup> = approximately 902,000 m<sup>3</sup>.
- Available storage capacity within Pond 3 above what is required to store the IDF as of May 05<sup>th</sup> = approximately 122,000 m<sup>3</sup>.

**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 in late April, 2025, keeping flow paths open and unobstructed in preparation for freshet.
- The NW Decant Sump was operational with a maximum pumping capacity of approximately 9,700 m<sup>3</sup> per day when pumping stopped in late October 2024. The sump has been kept dry and thawed since.
- Snow pack surveys conducted within the PKCF in early April indicate that all runoff from current snow accumulations could be contained within the PKCF without pumping from the PKCF or discharge through the Emergency / Operational Spillway into Pond 3.
- 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 2025 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 2025 in advance of the 2025 freshet. The test focused on ensuring that contact information was current and accurate.

Please contact the undersigned or Kyla Gray ([kyla.gray@riotinto.com](mailto:kyla.gray@riotinto.com); 867-445-4922) if you have any questions regarding this submission.

Yours sincerely,



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

CC: Marie-Eve Cyr, WLWB  
Kassandra DeFrancis, WLWB  
Joseph Heron, GNWT-ECC Lands Inspector