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Mr. Joseph Heron  
Resource Management Officer III (Inspector)  
Land & Water North Slave Regional Office  
Environment and Climate Change  
Government of the Northwest Territories  
#140 Bristol Avenue  
Yellowknife, NT X1A 3T2  
Canada

6 August 2024

Our reference: DDMI Incident number 2980687160\_40194  
Your reference: GNWT Spill 2024260

Dear Mr. Heron,

**Subject: Follow-up to GNWT Spill report 2024260**

**Summary:**

- On July 7<sup>th</sup>, 2024, at approximately 17:40, an employee driving on the South Haul Road reported a leak in the Process Plant Wet Well pipeline near Pond 1 (Figure 1).
- This pipeline conveys untreated mine contact water from the North Inlet Containment to the Process Plant. The Process Plant uses a mix of recycled and raw water in its regular operations.
- Approximately 100 m<sup>3</sup> of mine contact water was released in front of the Backfill Plant (Figure 2).
- Initial investigation determined that the spill was the result of a crack in the pipeline at a flange (Figure 3).
- Follow-up investigation determined that the crack was likely due to over-pressurization due to multiple pump inputs being added into the pipeline without a clearly defined control strategy.
- All spilled material was contained within the Drainage Control and Collection System (DCCS) with drainage into Collection Pond 1.
- No material was released to the receiving environment.

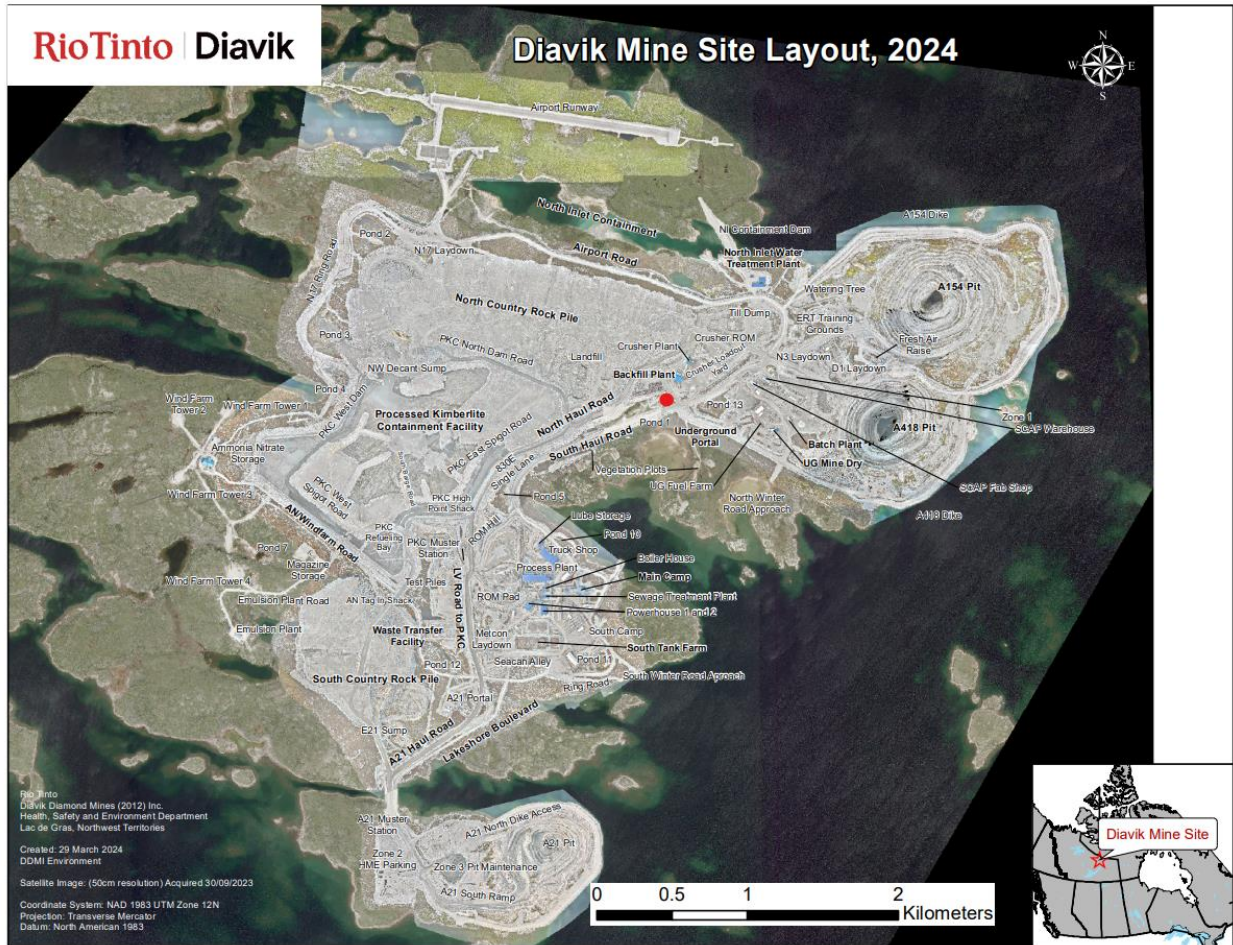


Figure 1: Spill 2024260 Location indicated by the red dot.



Figure 2: Extent of spill in front of Backfill Plant



Figure 3: Crack in Process Plant Wet Well pipeline at flange



Figure 4: Repaired section of pipeline

**Immediate Action:**

- Process Plant Control Room was notified of the leak and pumps on the line were shut off;
- System was isolated and drained;
- Investigation of cause of leak conducted by Maintenance crews;
- Spill was reported to Environment Department.

**Follow-up Action:**

- Diavik reported the spill to the online spill reporting line and notified the GNWT-ECC Inspector;
- Cracked section of pipeline was repaired (Figure 4);
- Control strategy and clear go / no-go criteria being developed to manage use of dewatering pump tie-ins around core process plant water supply usage to prevent risk of over-pressurization.

Should you require further information or clarification on the above noted spill, please feel free to contact the undersigned.

Yours sincerely,



Matthew Breen  
Chief Operating Officer

CC: Marie-Eve Cyr, WLWB  
Anneli Jokela, WLWB