

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

September 11, 2023

Dear Mr. Mantla,

Subject: DDMI 2023 Under-Ice AEMP Action Level Exceedances Reporting

Diavik Diamond Mines (2012) Inc. (DDMI) is pleased to submit its report of the 2023 under-ice Aquatic Effects Monitoring Program (AEMP) Action Level exceedances for water quality to the Wek'èezhii Land and Water Board's (WLWB or Board). This submission is consistent with DDMI's July 6, 2021 letter that confirmed the reporting framework for AEMP Action Level exceedances following the WLWB Directive, as part of the Board's issuance of an Amended Diavik Water Licence (W2015L2-0001) for the Processed Kimberlite to Mine Workings Project. In that letter, DDMI committed to the reporting of AEMP under-ice Water Quality Action Level exceedances by August 31 of the same year. DDMI notes that due to the recent emergency wildfire situation in the Northwest Territories that coincided with this schedule, there was a delay in the submission. An Action Level exceedance summary for the 2023 under-ice AEMP is provided in the attached Table 1.

Effects on water quality substances of interest (SOIs) in Table 1 during the 2023 ice-cover season remain well below the Significance Threshold. Action Level 1 indicates an early-warning change and does not require a specific response action. For an Action Level 2 trigger, the response action is to establish an Effects Benchmark if one does not exist. Effects Benchmarks exist for all parameters with Action Level 2 triggers; therefore, no further actions are required for the SOIs listed in Table 1, beyond those previously completed.

Please do not hesitate to contact the undersigned or Kyla Gray (kyla.gray@riotinto.com) if you have any questions related to this submission.

Yours sincerely,

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

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

Attachment 1: Table 1 Action Level Summary for Water Quality Substances of Interest for the 2023 AEMP Under-ice Field Program

Table 1. Action Level Summary for Water Quality Substances of Interest for the 2023 AEMP Under-Ice Field Program

2023 SOIs	Action Level Classification
Conventional Parameters	
Total dissolved solids, calculated	2
Turbidity – lab	1
Major Ions	
Calcium (dissolved)	2
Chloride	2
Magnesium (dissolved)	1
Potassium (dissolved)	1
Sodium (dissolved)	2
Sulphate	1
Nutrients	
Nitrate	2
Total Metals	
Aluminum	1
Antimony	1
Barium	2
Chromium	1
Copper	1
Molybdenum	2
Silicon	2
Strontium	2
Uranium	2

AEMP = Aquatic Effects Monitoring Program, SOI = Substance of Interest.