

Diavik Diamond Mines (2012) Inc.  
P.O. Box 2498  
Suite 300, 5201-50th Avenue  
Yellowknife, NT X1A 2P8 Canada  
T +1-867-669-6500 F +1-866-313-2754

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

September 3, 2024

Dear Mr. Mantla,

**Subject: DDMI 2024 Under-Ice AEMP Action Level Exceedances Reporting**

Diavik Diamond Mines (2012) Inc. (DDMI) is pleased to submit this report of the 2024 ice-cover season Water Quality Action Level exceedances per *AEMP Design Plan Version 6.1*<sup>1</sup>, as approved by the Wek'èezhii Land and Water Board on 27 April 2023. The Action Level exceedance summary for the 2024 under-ice AEMP is provided in Table 1 (attached).

Effects on water quality substances of interest (SOIs) during the 2024 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, beyond those previously completed, for the SOIs listed in Table 1.

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

Sincerely,



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

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

Attachments: Table 1 Action Level Summary for Water Quality Substances of Interest for the 2024 AEMP Ice-cover Season Field Program

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<sup>1</sup> WSP Golder. 2022. Aquatic Effect Monitoring Program Design Plan Version 6.1. Prepared for Diavik Diamond Mines (2012) Inc. Yellowknife, NT, Canada. November 2022.

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*Table 1. Action Level Summary for Water Quality Substances of Interest for the 2024 AEMP Ice-cover Season Field Program*

<b>2024 SOIs</b>	<b>Action Level Classification (Ice-Cover)</b>
<b>Conventional Parameters</b>	
Total dissolved solids, calculated	2
Turbidity – lab	1
<b>Major Ions</b>	
Calcium (dissolved)	2
Chloride	2
Magnesium (dissolved)	1
Potassium (dissolved)	1
Sodium (dissolved)	2
Sulphate	2
<b>Nutrients</b>	
Nitrate	2
<b>Total Metals</b>	
Antimony	1
Barium	2
Copper	1
Manganese	1
Molybdenum	2
Silicon	2
Strontium	2
Sulphur	1
Uranium	2

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