

March 1, 2024 Project
Number: 240008

Mr. Michael Brownlee
Public Services and Procurement Canada
Western Region
10025 Jasper Region
Edmonton, AB T5J1S6

**Re: Nunavut Water Board (NWB) 2023 Compliance Long Term Monitoring
Water Licence 1BR-MDR2126, Former Iqaluit Metal Dump, Iqaluit, NU**

Dear Mr. Brownlee,

BLM-KEL-60 (JV-60) has been retained by Public Services and Procurement Canada (PSPC), Western Region on behalf of Transport Canada (TC) to complete the Compliance Long Term Monitoring (LTM) requirements at the Former Iqaluit Metal Dump, located in Iqaluit, NU.

As per the LTM plan developed in August 2017 by Arcadis, the initial Phase I of monitoring was required in Years 1 (2018), 3 (2020), and 5 (2022) following remediation. Additional monitoring which was supplemental to the 2017 LTM plan was also completed in 2019 and 2021. The monitoring program was to be stopped at the end of phase I (5 years post remediation) (i.e., 2022) if the evaluation of the program confirmed that there were no stability issues and that the landfill waste had been successfully encapsulated. Otherwise, monitoring would continue into phase II (i.e., years 7, 10, 15 and 25 years post remediation). A summary of the monitoring events completed thus far as well as the monitoring events required for the first ten years post-remediation as detailed in the LTM plan is provided below.

Year	Years Post-Remediation	Site Monitoring Event	Monitoring Phase
2017	0		
2018	1	X	Phase I
2019	2	X	Supplemental Monitoring
2020	3	X	Phase I
2021	4	X	Supplemental Monitoring
2022	5	X	Phase I

Year	Years Post-Remediation	Site Monitoring Event	Monitoring Phase
2023	6		
2024	7	X	Phase II
2025	8		
2026	9		
2027	10	X	Phase II


Based on the findings from the monitoring events from Years 1-5 and the requirements of the NWB Water Licence (1BR-MDR2126), BluMetric Environmental Inc. recommended in the 2022 Compliance LTM Report that the monitoring Phase II be initiated with surface water and sediment monitoring in 2024 (Year 7 post-remediation). An evaluation will be conducted at the end of each monitoring event in Phase II as stated in the LTM to determine if further monitoring is required.

As per phase II of the LTM, no monitoring was required for the site for Year 6 post-remediation, therefore no work was completed at the site in 2023.

Thank you for your consideration of this letter. If you have any questions please contact me at (613) 552-2614 or at hwolczanski@blumetric.ca.

Respectfully Submitted,
BLM-KEL-60 Corporation


Josée Lalonde, B.A.Sc.
Engineering Intern


Heather Wolczanski, M.Sc., P.Geo., NAPEG
Geoscientist

Encl.
Attachment A: NWB Annual Reporting Form

Nunavut Water Board

Standard Form for Annual Reporting Requirements of NWB2 Exploration Water Licenses

Under the terms of your water licence issued by the Nunavut Water Board ("NWB") for the use of water and the disposal of waste into water associated with mineral exploration (NWB2 Licenses), Licensees are required to submit to the NWB an Annual Report no later than March 31st of the year following the calendar year being reported.

In order to aid the Licensee with the preparation of the Annual Report and facilitate its review by the NWB, Licensees are **required** to use the following form.

Recommendation and Helpful tips for use:

Metric units shall be used to report any relevant data.

How to Add additional space within Text boxes - Right click mouse on the row number (directly to the left of your screen) which falls within the text box range and click insert. **Do not drag or drop text box to modify size of the text box because formatting will not be maintained and data will be lost.** If you have large amounts of data recommend adding additional worksheets. Go to the help menu for assistance.

Electronic versions should be submitted in Adobe to ensure protection of your information. If you do not have shortcut keys to save as a PDF. Go to print menu . Choose to print "Entire Worksheet" then select printer option Adobe PDF and you will be prompted to save the document as a PDF document. Reminder ensure you have saved your document in Excel so that future changes can be made.

Modify the Header - Select "View" then "Header" from the main menu. Select "Custom Header" and change to reflect the valid Water Licence No.

Textboxes denoted with * are optional.

Annual Reports shall be submitted by either fax, mail or email in adobe acrobat or Excel format to:

Nunavut Water Board
c/o Manager of Licensing
P.O. Box 119
Gjoa Haven, NU X0B 1J0
Tel: 867-360-6338
Fax: 867-360-6369
Email: licensing@nunavutwaterboard.org

NWB Annual Report

Year being reported: Select ▼

2023

License No: 1BR-MDR2126 Issued Date: July 31, 2021
 Expiry Date: July 30, 2026

Project Name: Former Iqaluit Metal Dump Remediation Project / Qikiqtanki

Licensee: Transport Canada - Programs, Contaminated Sites

Mailing Address: 344 Edmonton Street
 Winnipeg, MB R3B 2L4

Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):

N/A

General Background Information on the Project (*optional):

During the 2023/2024 fiscal year no field program or site investigation was completed as per the Performance and Long Term Monitoring plan (Arcadis, 2018) created following the 2017 remediation. The next scheduled monitoring event is 2024.

Licence Requirements: the licensee must provide the following information in accordance with

Part B ▼ Item 1 ▼

A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.

Water Source(s):	No monitoring event in 2023 - no water used		
Water Quantity:	50/day	Quantity Allowable Domestic (cu.m)	
	0	Actual Quantity Used Domestic (cu.m)	
	N/A	Quantity Allowable Drilling (cu.m)	
	N/A	Total Quantity Used Drilling (cu.m)	

Waste Management and/or Disposal

- ☐ Solid Waste Disposal
☐ Sewage
☐ Drill Waste
☐ Greywater
☐ Hazardous
☐ Other:

Additional Details:

N/A

A list of unauthorized discharges and a summary of follow-up actions taken.

Spill No.: (as reported to the Spill Hot-line)

Date of Spill:

Date of Notification to an Inspector:

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

N/A

Revisions to the Spill Contingency Plan

N/A - not applicable ▼

Additional Details:

N/A

Revisions to the Abandonment and Restoration Plan

N/A - not applicable ▼

Additional Details:

Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

No monitoring activities were completed at the former Iqaluit airport metal dump in 2023 (i.e., Year 6 post-remediation).
In 2024, complete site investigation will include observation, monitoring and extraction of surface water samples for each of the 7 long term monitoring stations for chemical analysis. Also, collect sediment samples from each of the stations as per the Performance and Long Term Monitoring Plan.

Results of the Monitoring Program including:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

Details attached ▼

Additional Details:

See Performance and Long Term Monitoring Plan.

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Not Applicable (N/A)

Additional Details:

Results of any additional sampling and/or analysis that was requested by an Inspector

No additional sampling requested by an Inspector or the Board

Additional Details: (date of request, analysis of results, data attached, etc)

N/A

Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.

No additional sampling requested by an Inspector or the Board

Additional Details: (Attached or provided below)

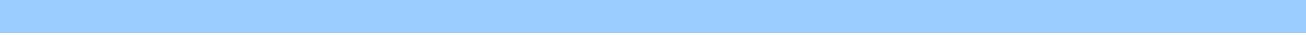
Any responses or follow-up actions on inspection/compliance reports

No inspection and/or compliance report issued by INAC

Additional Details: (Dates of Report, Follow-up by the Licensee)

Any additional comments or information for the Board to consider

Date Submitted:	March 4, 2024						
Submitted/Prepared by:	Jennifer Schaubroeck, Environmental Advisor, Transport Canada						
Contact Information:	<table border="1"><tr><td>Tel:</td><td>431-336-1363</td></tr><tr><td>Fax:</td><td></td></tr><tr><td>email:</td><td>jennifer.schaubroeck@tc.gc.ca</td></tr></table>	Tel:	431-336-1363	Fax:		email:	jennifer.schaubroeck@tc.gc.ca
Tel:	431-336-1363						
Fax:							
email:	jennifer.schaubroeck@tc.gc.ca						



GPS Coordinates for water sources utilized

Source Description	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec

GPS Locations of areas of waste disposal

Location Description (type)	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec