



3rd Floor Gallery Building  
4923-52<sup>nd</sup> Street, P.O. Box 1500  
Yellowknife, NT X1A 2R3

September 18<sup>th</sup>, 2024

Attention: Tanya MacIntosh  
Chair, Mackenzie Valley Land and Water Board  
P. O. Box 2130, Yellowknife NT X1A 2P6

**Re: Gordon Lake Group Remediation Project - MV2023L8-0017 2023 Annual  
Water Licence Report**

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Dear Ms. MacIntosh,

Please accept the 2023 Water Licence Annual Report for the Gordon Lake Group Remediation Project respectfully submitted by Crown Indigenous Relations and Northern Affairs Canada – Contaminants and Remediation Division (CIRNAC-CARD).

The submission of this report is intended to satisfy Part B, Item 19 of the Water Licence MV2023L8-0017, and in accordance with Schedule 2 and 1, condition 1 and 2 of the licence requirement respectively. Included in this cover letter is a concordance table which outlines how the 2023 Annual Report satisfies these information requirements.

If you have any questions or concerns regarding this report please contact Kristin Moore at [Kristin.Moore2@rcaanc-cirnac.gc.ca](mailto:Kristin.Moore2@rcaanc-cirnac.gc.ca) or Vincent Okonkwo at [Vincent.Okonkwo@rcaanc-cirnac.gc.ca](mailto:Vincent.Okonkwo@rcaanc-cirnac.gc.ca).

Sincerely,

Kristin Moore  
A/ Project Manager, CIRNAC- CARD

Enclosed:

Gordon Lake Group Site – Long Term Monitoring Year 5 (Aecom April 2024).  
Camlaren Mine Tailings Soil Containment Area Geotechnical Inspection (Aecom 2024)



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Appendix A:

**Gordon Lake Group Remediation Project**

Type B Water Licence – MV2023L8-0017

Schedule 2 – Annual Water Licence Report

	Schedule 2 Condition 1	Annual Water Licence Report
1.	The Annual Water Licence Report referred to in Part B, condition 19 of this licence shall include, but not be limited to the following information about activities conducted during the previous calendar year:	
	a) A brief summary of Project activities;	The Gordon Lake Group Project entered the LTM phase I in 2019, following the completion of remediation activities in 2018. The sites are currently in phase II year 6 of the LTM program. This report details activities and results from Year 5 (2023) of the LTM Program.
	b) An updated Project schedules;	2024 LTM program Schedules: <ul style="list-style-type: none"> <li>• Summer (June 12-14, July 10-11 and 16)</li> <li>• Fall (August 20-22, September 10-12)</li> <li>• PAR will be developed in Q2; and</li> <li>• PH II LTMP will be developed in Q4</li> </ul>
	c) A summary of engagement activities conducted in accordance with the approved Engagement Plan, referred to in Part B, Condition 20 of this licence;	See Appendix B: Gordon Lake Group Project 2023 Engagement Log Table below
	d) A summary of how Traditional Knowledge was incorporated into the decision making;	Community based monitoring initiative through CIRNAC-CARD Job Shadow Program provides an opportunity for the various Indigenous groups to actively participate in the monitoring process. The job shadow program is an opportunity for community members to participate in various monitoring programs (ie-water quality sampling, geo technical inspections, data collection of various monitoring instrumentation) and to see firsthand the monitoring of the



	Schedule 2 Condition 1	Annual Water Licence Report
		site post remediation. During these monitoring events if the job shadow has any specific feedback into the various programs; it can be communicated directly to CIRNAC-CARD or shared in the job shadow report at the end of the monitoring program.
	e) A summary of major maintenance activities conducted in accordance with this licence;	N/A - No major maintenance activities conducted in 2023
	f) A summary of activities conducted in accordance with the approved <b>Long-Term Monitoring Plan</b> , referred to in Part I, Condition 1 of this Licence, including:  iii. A summary and interpretation of any monitoring results; iv. A list of any Action Level exceedances; and v. A description of actions taken in response to any Action level exceedances.	See sections 4, 5,6, and 7 of the enclosed Gordon Lake Group Site – Long Term Monitoring Year 5 (Aecom April 2024).
	g) The monthly and annual quantities, in cubic metres, of each and all Wastewater Discharges, and Waste disposed of to Waste Disposal Facilities, identified by location;	N/A – No waste water discharge and waste disposed in 2023
	h) A summary of the results and any actions taken as a result of the following inspections: o Inspections conducted to fulfill Part F of this Licence;	Please refer to Section 3.2 of the Camlaren Mine Tailings Soil Containment Area Geotechnical Inspection (Aecom 2024) for a summary of the 2023 geotechnical inspection. No recommendations were made beyond the existing monitoring program.
	i) A status update on the implementation plan for the most recent Dam Safety Review Report, referred to in Part F, Condition 6 of this Licence;	See the attached Geotechnical Implementation Plan Update.



	Schedule 2 Condition 1	Annual Water Licence Report
	j) A status update on the implementation plan for the most recent Geotechnical Inspection Report, referred to in Part F, Condition 3 of this Licence;	See the attached Geotechnical Implementation Plan Update.
	k) A summary of activities conducted in accordance with the approved Spill Contingency Plan, referred to in Part H, Condition 2 of this Licence, including: <ul style="list-style-type: none"> <li>o A list and description for all Spills and Unauthorized Releases, including the date, NWT spill number, volume, location, summary of the circumstances and follow-up actions taken, and status (i.e., open or closed), in accordance with the reporting requirements in Part H, Condition 3 of this Licence; and</li> <li>o An outline of any spill training carried out.</li> </ul>	N/A – No spill or unauthorized release and no spill training was carried out in 2023
	l) A Tabular summaries of all data and information generated under the SNP, as per Schedule 1, Condition 2 of this Licence, in Excel format: <ul style="list-style-type: none"> <li>a) Electronic and tabular summaries of all data and information generated under the SNP for the year being reported, including rationale for SNP stations where samples were not collected and results and interpretation of quality assurance/quality control procedures;</li> <li>b) The coordinates of all SNP stations which were established within the year being reported, including an updated map identifying the locations of all the SNP stations;</li> </ul>	a) For a summary and discussion of the SNP results please refer to Section 6.1 to 6.4 – SNP of the enclosed Gordon Lake Group Site – Long Term Monitoring Year 5 (Aecom April 22, 2024). For QA/QC procedures refer to Section 6.5. For full analytical results refer to Appendix E. b) Coordinates for the SNP stations can be found in Appendix D (Inspection Forms) of the enclosed Gordon Lake Group Site – Long Term Monitoring Year 5 (Aecom April 22, 2024) and refer to Appendix A (Figures) for maps that include the SNP locations.
	m) A list of any non-compliance(s) with the conditions of this Licence or any directive from the Board pursuant to the conditions of this Licence;	N/A – No non-compliance issue in 2023
	n) A summary of actions taken to address concerns, non-conformances, or deficiencies in any reports filed by an Inspector;	N/A – No activities taken as there were zero non-compliance in 2023



	Schedule 2 Condition 1	Annual Water Licence Report
	o) Any other details requested by the Board by March 31 of the year being reported;	N/A



GCDOCS # 123394847

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Appendix B:

**Gordon Lake Group Remediation Project**

Type B Water Licence – MV2023L8-0017

Engagement Log

<b>Gordon Lake Group Project 2023 Engagement Log</b>					
<b>Date</b>	<b>Attendees/ Addressee</b>	<b>Engagement Type</b>	<b>Issue(s) raised by stakeholder</b>	<b>Recommendation from Stakeholder</b>	<b>Proponent Response/Commitments</b>
July 18-21, 2023	YKDFN	Provided orientation to the Participants of the 2023 LTM Job Shadow Program	None	None	N/A
September 26, 2023	YKDFN	Provided orientation to the Participants of the 2023 LTM Job Shadow Program	None	None	N/A
October 1, 2023	YKDFN	Provided orientation to the Participants of the 2023 LTM Job Shadow Program	None	None	N/A
November 28, 2023	North Slave Metis Alliance (NSMA), Northwest Territory Metis Nation (NWTMN), Yellowknife Dene First Nation (YKDFN), and Tlicho Government (TG)	Notification of Water Licence renewal application	None	None	N/A



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December 6, 2023	North Slave Metis Alliance (NSMA), Northwest Territory Metis Nation (NWTMN), Yellowknife Dene First Nation (YKDFN), and Tlicho Government (TG)	Notification of Water Licence renewal application - follow-up to emails sent	None	None	N/A
December 12, 2023	North Slave Metis Alliance (NSMA), Northwest Territory Metis Nation (NWTMN), Yellowknife Dene First Nation (YKDFN), and Tlicho Government (TG)	Notification of Water Licence renewal application - follow-up to emails sent and phone calls made	None	None	N/A



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