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Yellowknife, NT  
X1A 2R3

August 21<sup>st</sup> 2018

INAC – CARD Gordon Lake Remediation Project

**RE: Water Licence MV2016L8-0006 – Gordon Lake Project – Inspection**

Dear Mr. Ogilvie,

An inspection of the CARD Gordon Lake remediation project was completed by Resource Management Officer Tim Morton and Devin Penney on August 15<sup>th</sup> 2018. The inspection was conducted to ensure compliance with the terms and conditions of the water licence and approved management plans.

The environmental inspection report is attached along with pictures of the site that were taken during the inspection. If you have any questions or concerns please contact me at (867) 669-2442.

Thank you,

Tim Morton  
Resource Management Officer (Inspector)  
Resource and Lands Division  
Indigenous and Northern Affairs Canada

cc. INAC – CARD  
INAC – Resource and Land Management  
MVLWB  
DNV



## WATER LICENCE ENVIRONMENTAL INSPECTION REPORT

Licensee:	INAC - CARD	Inspection Date – August 15 <sup>th</sup> 2018
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<b>Water Licence No.</b>	MV2016L8-0006	<b>Last Previous Inspection:</b>	June 7 <sup>th</sup> 2018
<b>Quantity of water not to be exceeded:</b>	299 Cubic Meters / Day	<b>Licence Expiry Date:</b>	December 18 <sup>th</sup> 2023
<b>Contractor:</b>	Delta Nahanni JV	<b>Subcontractor:</b>	

Location(s) Inspected:	Gordon Lake Remediation Area
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Current Stage of Operation:	Active Remediation
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Program Modifications Approved:	N/A
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Compliance with Items: “A” - Acceptable “U” - Unacceptable “N/A” - Not Applicable

Part	Licence Items	Compliance with Items	Item # and Comments
A	Scope	A	
B	General Conditions	A	
C	Conditions Applying to Water Use	A	
D	Conditions Applying to Construction	A	
E	Conditions Applying to Modifications	A	
F	Conditions Applying to Water and Waste Management	A	
G	Conditions Applying to Contingency Planning	A	
H	Conditions Applying to Closure	A	



## ENVIRONMENTAL INSPECTION REPORT Pg. 3 (Continued)

Date: August 15 <sup>th</sup> 2018	Licence #: MV2016L8-0006
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Explanatory Remarks	
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An inspection of the INAC CARD Gordon Lake remediation project was completed by Resource Management Officer Tim Morton and Devin Penney on August 15<sup>th</sup> 2018. The Inspectors were accompanied by representatives from Nahanni Construction, INAC CARD, and various other contractors that were involved with the remediation project.

The camp was active at the time of the inspection and appeared to be well run and organized (Photo #1). The sewage and grey water discharge was contained within the sump and remained over 100 meters from the OHWM of Gordon Lake (Photo #2). The Inspectors had no concerns with the fuel management at the camp and it appeared that all camp activities were in compliance with the approved management plans.

The tailings cover located on Burnt Island appeared to have held up well over the spring freshet as there were no noticeable areas of slumping or concern (Photo #3). The large pile of sand located next to the shaft on Burnt Island will need to be spread out and distributed around the surrounding area prior to the final demobilization from the site (Photo #8).

The Inspectors were present during the laying of the geotextile liner and the construction of the ditches and trenches along the perimeter of the tailings and waste rock area on Camlaren Island. The geotextile extended over the diversion ditch and down towards the toe drain that is located between the waste rock and shoreline. The Inspectors were pleased with the attention to detail during the construction as the slope and ditch construction appeared to be done according to the approved 'Tailings and Waste Rock Cover Design Plan'. The next stage of construction will be to complete the ditches/trenches, place another layer quarried material down with a bituminous liner placed on top followed by 0.5 meters of cover.

The onsite Contractor expects that the field season will be completed by mid-September.

Overall, the Inspectors had no concerns with any aspects of the project. Water samples from the shoreline of Camlaren Island were taken to see if there have been any impacts to Gordon Lake from the excavation of material from the Island. These samples will be sent to the Inspectors once they are received.

Please feel free to contact the undersigned Inspector at any time if you have any questions or concerns.

Completed off Site  
Representative's Signature

Tim Morton  
Inspector

Original Signed  
Inspector's Signature



**Photo #1: Overview of the camp on Zenith Island.**



**Photo #2: Grey water discharge at Zenith Island camp.**



**Photo #3: Overview of the tailings cover on Burnt Island.**



**Photo #4: Overview of the land use activities on Camlaren Island.**



**Photo #5: Overview of the excavation of waste rock at Camlaren.**



**Photo #6: Overview of the geotextile liner placed over the diversion trench and down the slope of the cap to the toe drain.**



**Photo #7: Overview of the remediated quarry at Westbay Mine site.**



**Photo #8: Remaining stockpile of quarried material near the shaft on Burnt Island.**