



April 9th, 2018

Department of Indian Affairs and Northern Development
Contaminants and Remediation Division
PO Box 1500
YELLOWKNIFE, NT X1A 2R3

Attention: Mr. Carey Ogilvie

**Re: Land Use Permit MV2016X0013
Miscellaneous
Bullmoose-Ruth Remediation Project, NT**

Dear Mr. Ogilvie,

An inspection of the Territorial sections of the winter road was conducted by Inspectors Clint Ambrose and Brandon Bradbury on April 5th, 2018. The inspection was carried out to ensure operating conditions annexed to the above noted land use permit were adhered to during this land use operation. All findings of the inspection were discussed with Mr. Mark Rowe of Rowe's Outcome JV (Contractor).

The use of the winter road is complete for the season and all of the previously noted concerns have been satisfactorily addressed. The only concern observed during the inspection was with some hydrocarbon impacted snow at the security shack that required clean-up for proper offsite disposal, and the Inspectors are pleased to report that this concern was addressed immediately. Your copy of the Environmental Inspection Report is enclosed and should be self-explanatory.

Overall, the Inspectors were pleased with all aspects of winter road operations throughout the season and this cooperation to ensure compliance with all operating conditions of the permit was appreciated.

If you have any questions or concerns, please contact the undersigned at (867) 767-9188 or Mr. Brandon Bradbury at (867) 767-9187 ext. 24193.

Sincerely,

Clint Ambrose
Manager, Resource Management (Inspector)
North Slave Regional Office
GNWT – Department of Lands

cc: MVLWB
Rowe's Outcome JV – via email
DIAND – CARD – via email





ENVIRONMENTAL INSPECTION REPORT

Permittee:	DIAND – CARD	Inspection Date – April 5 th , 2018
------------	--------------	------------------------------------------------

		Permit Expiry Date	Last Previous Inspection
Land Use Permit No.	MV2016X0013	December 4 th , 2021	March 6 th , 2018
Quarry Permit No.			
Contractor:	Rowe’s Outcome JV (ROJV)	Subcontractor:	

Location(s) Inspected:	Winter road.
------------------------	--------------

Current Stage of Operation:	The Contractor has demobilized all items used in connection with this land use operation and final clean-up of the winter road is complete.
-----------------------------	---------------------------------------------------------------------------------------------------------------------------------------------

Program Modifications Approved:	
---------------------------------	--

Condition of Operation “A” - Acceptable “U” - Unacceptable “N/A” - Not Applicable

#	Operating Condition	Aspect Inspected			Condition
		Winter Road			
A	Location and Area	A			
B	Time	A			
C	Type and Size of Equipment	A			
D	Methods and Techniques	A			
E	Type, Location, Capacity and Operation of All Facilities	A			
F	Control or Prevention of Ponding of Water, Flooding, Erosion, Slides and Subsidence of Land	A			
G	Use, Storage, Handling and Ultimate Disposal of Any Chemical or Toxic Material	A			
H	Wildlife and Fisheries Habitat	A			
I	Storage, Handling and Disposal of Refuse or Sewage	A			
J	Protection of Historical, Archeological and Burial Sites	A			
K	Objects and Places of Recreational, Scenic or Ecological Value	A			
L	Security Deposit	A			
M	Fuel Storage	A			
N	Methods and Techniques for Debris and Brush Disposal	A			
O	Restoration of the Lands	A			
P	Display of Permits and Permit Numbers	A			
Q	Matters Not Inconsistent With the Regulations	A			
R	Sections 8 to 16 M.V.L.U.R.	A			



ENVIRONMENTAL INSPECTION REPORT Pg. 2

Date: April 5 th , 2018	Permit #: MV2016X0013
------------------------------------	-----------------------

<p>Explanatory Remarks</p> <p>An inspection of the Territorial sections of the winter road from Km 61 of Highway #4 to Beaulieu and Bullmoose was conducted by Inspectors Clint Ambrose and Brandon Bradbury on April 5th, 2018. The inspection was carried out to ensure operating conditions annexed to the above noted land use permit were adhered to during this land use operation. All findings of the inspection were discussed with Mr. Mark Rowe of Rowe's Outcome JV (Contractor).</p> <p>The concern with the trees requiring disposal on Portage 7 has been satisfactorily addressed (Photo #1) and this was the final concern from the previous inspection that required the Contractor's attention. Your cooperation to address the Inspectors' concerns is appreciated.</p> <p>An unfortunate incident occurred on January 21st, 2018 where a Snowcat broke through the ice on an unnamed lake east of Davidson Lake (Photo #2). The Contractor immediately implemented their Spill Contingency Plan and within 24 hours, the incident was reported to the Inspectors and NT-NU 24-Hour Spill Report Line and assigned File #: <u>18-021</u>.</p> <p>An initial inspection of the break through location was conducted by Inspectors on January 22nd, 2018, and with unfavorable ice conditions, the Contractor had no other option but to let the Snowcat freeze in. On March 15th, 2018, equipment was brought into the land use area and the Snowcat was successfully removed.</p> <p>Inspectors were present for the entire operation and are pleased to report the following. Once the Snowcat was removed from the ice, an excavator was used to stockpile potentially hydrocarbon impacted ice, snow and lake bottom sediments that were brought to surface. Once removed, a small sheen was observed and the water surface was mopped with absorbent matting.</p> <p>The extraction hole was allowed to freeze and the Contractor returned the following day, broke the ice open and once again removed ice and mopped the water surface with absorbent matting. This second clean-up confirmed that there was only a milky sheen present and therefore no further work was required.</p> <p>All of the hydrocarbon impacted material was loaded into a tandem dump truck and hauled to KBL Environmental Ltd. for proper offsite disposal. Once disposal was confirmed, the Inspectors recommended to the Spill Report Line that spill file 18-021 be closed.</p> <p>The sections of winter road inspected were free of garbage, debris and obvious hydrocarbon spills and therefore no concerns were noted with the road, but unfortunately hydrocarbon impacted snow was present at the location of the security shack on a portage north of Reid Lake (Photo #3 to #5).</p> <p>This concern was identified to Mr. Mark Rowe during the inspection and a clean-up was conducted immediately. All impacted snow was shoveled into bags (Photo #6) and removed from the land use area for proper offsite disposal.</p> <p>Overall, the Inspectors were pleased with the manner in which this land use operation was conducted throughout the winter road season.</p>

Completed off Site
Representative's Signature

Clint Ambrose
Inspector


Inspector's Signature



Photo #1 - MV2016X0013 - INAC-CARD
Trees in this area have been walked down by equipment.



Photo #2 - MV2016X0013 - INAC-CARD
Snowcat extraction location east of Davidson Lake. It appears that all hydrocarbon impacted materials have been removed for proper offsite disposal.



Photo #3 - MV2016X0013 - INAC-CARD
Security shack and other items have been removed from a portage north of Reid Lake.



Photo #4 - MV2016X0013 - INAC-CARD
Hydrocarbon impacted snow was observed at the security shack and marked with sticks.



Photo #5 - MV2016X0013 - INAC-CARD
Another view of where hydrocarbon impacted snow was observed.



Photo #6 - MV2016X0013 - INAC-CARD
Photo provided Mark Rowe demonstrating clean-up conducted at the security shack.