



P.O. Box 1500
4923 52nd Street
Yellowknife, NT
X1A 2R3

March 9th 2018

Indigenous and Northern Affairs Canada – CARD
P.O. Box 1500
4923 52nd Street
Yellowknife, NT
X1A 2R3

Attention: Mr. Carey Ogilvie, INAC CARD

RE: Land Use Permit MV2016X0011 & Water Licence MV2016L8-0003– Tundra Mine Remediation Project – Inspection

Dear Mr. Ogilvie,

An inspection of the Tundra Mine Remediation project was completed by Resource Management Officers Tim Morton on February 27th 2018. The inspection was conducted to ensure compliance with the terms and conditions of the land use permit MV2016X0011, water licence MV2016L8-0003, quarrying operations, and approved management plans.

The remediation project was nearing completion and the contractor was demobilizing from site. The Inspector discovered an unauthorized discharge from the sewage treatment system. The details of this spill are outlined in the attached inspection report.

The attached inspection report contains details and pictures that were taken during the inspection.

If you have any questions or concerns, please contact Tim Morton at (867) 669-2442.

Thank you,

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

cc. MVLWB – via email
INAC/CARD – via email
INAC Resource and Lands – via email
DNV – via email



INSPECTION DATE – February 27th 2018

ENVIRONMENTAL INSPECTION REPORT (MV2016X0011)

Permittee:	INAC – CARD	October 19 th 2021	September 20 th 2017
		Permit Expiry Date	Last Previous Inspection

Land Use Permit No.	MV2016X0011		
Quarrying Permit No.	2016QP0005		
Contractor:	Nahanni Construction /Delta Engineering	Subcontractor:	

Location(s) Inspected:	Camp and Supporting Infrastructure, Ice Road Portages, Ice Airstrip
------------------------	---

Current Stage of Operation:	Camp and Site Demobilization
-----------------------------	------------------------------

Program Modifications Approved:	None
---------------------------------	------

Condition of Operation "A" - Acceptable "U" - Unacceptable "N/A" - Not Applicable "N/I" - Not Inspected

	Operating Condition	Aspect Inspected				
		Camp / Support Facilities				
A	Location and Area	A				
B	Timing as Permitted	A				
C	Equipment as Approved (Type & Size)	A				
D	Methods & Techniques	A				
E	Facilities	A				
F	Erosion (Control or Prevention)	A				
G	Chemicals	U				C#36
H	Wildlife and Fisheries Habitat (Protection)	A				
I	Wastes	A				
J	Historical / Archaeological Sites	A				
K	Ecological Resources	N/A				
M	Fuel Storage	A				
N	Brush Disposal	A				
O	Restoration of Lands	A				
P	Permits	A				
Q	Biological and Physical Protection of Land	A				
R	Sections 8 to 12 / 14 to 16 M.V.L.U.R.	A				
S	Quarrying Methods	A				



ENVIRONMENTAL INSPECTION REPORT Pg. 2
(Continued)

Date:	February 27 th 2018	Permit #:	MV2016X0011
-------	--------------------------------	-----------	--------------------

Explanatory Remarks -

An inspection of the Tundra remediation project was conducted by Resource Management Officer Tim Morton on February 27th 2018. The Inspector was accompanied by Rob Osborne (AECOM – Site Representative). The inspection was carried out to ensure compliance under the applicable land use permits, water licenses, quarry permits, and management plans.

The contractor was in the process of finalizing the season’s demobilization from site (Photo #9). There were a number of large 100,000 liter tanks staged and ready for transport (Photo #2). Mr. Osborne stated that two tanks will be left onsite and filled to 90% capacity in order to provide fuel during freshet monitoring and for repair/maintenance activities during the 2018 season (Photo #8). These two tanks were placed within secondary containment and there appear to me no leaks or spills in the nearby area.

All of the portages within the federal area appeared to have the minimum of 10 cm’s of snow/ice cover as required by condition #12 of the land use permit (Photo #1). There were no signs of rutting or any other concerns with any aspects of the ice roads and ice airstrip (Photo #11).

Mr. Osborne stated that the pile of debris located near the incinerator was intended to be disposed of by open burning (Photo #5). The Inspector noted that there appeared to be some items mixed within the pile that were not permitted to be burnt and must be removed prior to disposal.

The Inspector noted that the sewage discharge line had been disconnected from the tank which resulted in an unauthorized discharge of sewage to the tundra (Photo #10) contrary to condition #36 of the land use permit and Part F condition #25 of the water licence. The Inspector noted that it did not appear that the sewage line had been inspected in the last few days and that the entire wooden utilidor that houses the sewage line was full of sewage. The Inspector explained that all of the sewage must be cleaned up prior to the demobilization from site and the contaminated wooden utilidor be removed and placed within the first cell of the sewage lagoon. Site personnel were heading out to assess the situation and start the cleanup while the Inspector was still onsite. The Inspector also explained that all sewage spills must be reported under the NT/NU spills agreement and must be done immediately. Site personnel reported the spill immediately (NT/NU Spill #18-061).

The site appeared to be well managed with the exception of the discovery of the sewage spill. The Inspector is working with the Permittee and the site contractor to ensure the cleanup is complete and that no further risk to the environment is present.

UPDATE

The Inspector has received photos showing that the cleanup of NT/NU Spill #18-061 has been partially completed and no further risk to the environment is present. The cleanup will be finalized once the contractor heads back into site in mid-April.

Please contact the Inspector at (867) 669-2442 if you have any questions or concerns.

Original Signed

Inspectors Signature



Photo #1: Overview of the Tundra ice road access portage.

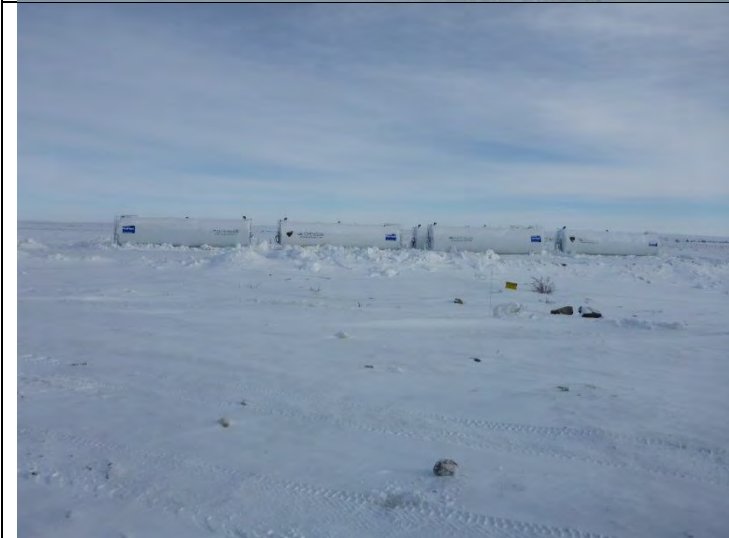


Photo #2: Overview of large tanks ready for demobilization from site.



Photo #3: Heavy equipment laydown area.

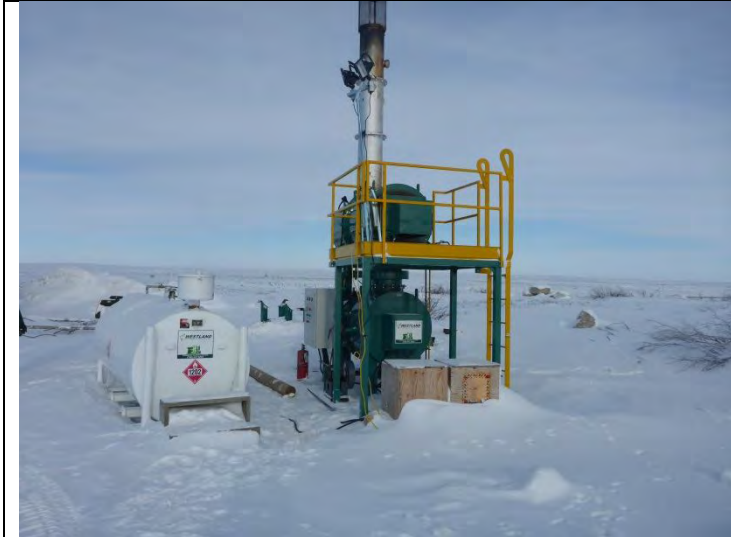


Photo #4: Overview of the incinerator.



Photo #5: Combustible waste pile.



Photo #6: Overview of coverall shop area.



Photo #7: Remaining hazardous waste within lined area.



Photo #8: The two 100,000 liter tanks remaining onsite.



Photo #9: Rock truck staged for demobilization.



**Photo #10: NT/NU Spill 18-061.
Unauthorized sewage discharge from tank to lagoon.**



**Photo #11: Overview of ice runway located
on Bulldog Lake.**