



#16 Yellowknife Airport  
Yellowknife, NWT  
X1A 3T2

September 28<sup>th</sup>, 2013

Aboriginal Affairs and Northern Development Canada – CARD  
PO Box 1500  
5103 – 48<sup>th</sup> Street, Waldron Building  
YELLOWKNIFE, NT X1A 2R3

**Attention: Mr. Adrian Paradis, A/Manager, Giant Mine Remediation Project**

**Re: Land Use Permit MV2012S0019  
Drilling and Soil Testing  
Giant Mine, NT**

Dear Mr. Paradis,

An inspection of proposed drill sites, equipment, and tailings stockpile location was conducted by Resource Management Officer Clint Ambrose on September 27<sup>th</sup>, 2013. The inspection was carried out to ensure operating conditions annexed to the above noted Land Use Permit are being adhered to during this operation. The Inspector was accompanied by Mr. Ken Szarkowicz (Clark Builders), Mr. Pat Phillips (Clark Builders), and Mr. Hedley Rideout (RTL) throughout the inspection, and all findings of the inspection were discussed.

Overall, the proposed land use operation appears to be compliant with the operating conditions annexed to the land use permit and the approved Underground Stabilization Work Plan. No concerns were noted and your copy of the Environmental Inspection Report is enclosed and should be self explanatory.

If you have any questions or concerns, please contact Mr. Nahum Lee at (867) 669-2757 or the undersigned at (867) 669-2794.

Yours truly,

Clint Ambrose  
Resource Management Officer III (Inspector)  
South Mackenzie District  
Aboriginal Affairs and Northern Development Canada

cc: MVLWB  
AANDC/CARD – via email  
Dave Colbourne – via email  
Water Licence MV2012L8-0010



## ENVIRONMENTAL INSPECTION REPORT

Permittee:	AANDC-CARD	Inspection Date – September 27 <sup>th</sup> , 2013
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		Permit Expiry Date	Last Previous Inspection
Land Use Permit No.	MV2012S0019	September 12 <sup>th</sup> , 2017	May 31 <sup>st</sup> , 2013
Quarrying Permit No.	N/A		
Contractor:	PWGSC Clark Builders	Subcontractor:	Foraco McCaw's Drilling RTL Robinson Enterprises

Location(s) Inspected:	Proposed drill sites, equipment, and the proposed tailings stockpile location by the B1 Pit.
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Current Stage of Operation:	Drills and ancillary equipment were present but not active at the time of the inspection.
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Program Modifications Approved:	
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Condition of Operation "A" - Acceptable "U" - Unacceptable "N/A" - Not Applicable

	Operating Condition	Aspect Inspected			Condition
		Drill Program			
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	N/A			
L	Security Deposit	N/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**  
**(Continued)**

Date: September 27 <sup>th</sup> , 2013	Permit #: MV2012S0019
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**Explanatory Remarks**

An inspection of the proposed drill sites, equipment, and tailings stockpile location by the B1 Pit was conducted by Resource Management Officer Clint Ambrose on September 27<sup>th</sup>, 2013. The Inspection was carried out to ensure operating conditions annexed to the above noted land use permit are being adhered to during this operation. The Inspector was accompanied by Mr. Ken Szarkowicz (Clark Builders), Mr. Pat Phillips (Clark Builders), and Mr. Hedley Rideout (RTL) throughout the inspection, and all findings of the inspection were discussed.

At the time of the inspection, the drills were not turning but both the Foraco diamond drill (Photo #1) and McCaw's air track drill (Photo #2) were present in the land use area. The Inspector was informed that drilling for both of these drills could commence as early as Saturday, September 28<sup>th</sup>, 2013.

As a reminder, to remain compliant with operating condition #2 of the land use permit, the Permittee must provide the Inspector and Mackenzie Valley Land and Water Board ("Board") the proposed drill targets. In discussions with Mr. Kevin Hachmeister (Golder), the map is being finalized and will be provided in the next day or two.

As viewed in Photo #3, a proposed drill target is in close proximity to Baker Creek, but the Inspector is pleased to report that the McCaw air track drill will be utilized for this target and the benefit of this drill, minimal to no water is used in the drilling process.

Other measures that will be implemented to help reduce the potential for cuttings to enter the watercourse is as follows; a rock pad consisting of 6" minus rock with minimal fines will be placed at this target, silt fencing will be keyed into the underlying soils between the drill and Baker creek, diligent monitoring will occur, cuttings will be slightly wetted to prevent airborne mobilization, the tanks viewed in Photo #4 will be used to collect cuttings for removal and disposal in the Northwest Pond, and a thorough cleanup of the ground surface will be conducted once the drill pulls off this target.

Overall, it appeared as though both Drill Contractors were well aware of the requirements of the land use permit and no major concerns were noted. Once the drills are active, please ensure the Inspector is notified so an inspection can be scheduled to ensure compliance with all operating conditions of the permit is occurring.

On September 19<sup>th</sup>, 2013 the Board approved the Underground Stabilization Plan that was submitted as requirement of Part H, Item 3 of water licence MV2012L8-0010. The Permittee/Licensee will be constructing a tailings stockpile pad to hold approximately 5,000 m<sup>3</sup> of material adjacent to the B1 Pit and the location can be viewed in Photo #5.

In discussions with the Contractor and Sub-Contractor, this area will be leveled and graded towards the B1 Pit, bedding sand placed, lined with an HDPE liner, concrete blocks used as berms, and drainage established in the area viewed in Photo #6. The construction of this pad appears to be consistent with the approved Underground Stabilization Plan, and as a reminder, once tailings are placed in this facility they must be covered at all times.

The Contractor will also be constructing a tailings stockpile day use area in close proximity to where paste will be injected into the underground workings (B1-18 stope). The construction of this pad was discussed, and the Permittee must ensure that it too is lined, drainage established towards the B1 Pit, and when not in use, covered.

One other aspect of the operation that was discussed is the volume of tailings that will be stockpiled in the land use area. With the onset of colder weather and the potential for this operation to cease prior to the completion of all work, the amount of tailings that will be stockpiled must be kept to a minimum knowing that they may not be re-accessed until the Spring or Summer of 2014.

Overall, the Inspector was pleased with the manner in which the Contractor proposes conducting this land use operation and this cooperation is appreciated.

Completed off Site  
Representative's Signature

Clint Ambrose  
Inspector

  
Inspector's Signature



Photo #1 - MV2012S0019 - AANDC-CARD  
Froraco diamond drill setting up on the first target of the program.



Photo #2 - MV2012S0019 - AANDC-CARD  
McCaw's air track drill that is being prepared for the upcoming program.



**Photo #3 - MV2012S0019 - AANDC-CARD**  
Stake on the left hand side of the photo is where the drill hole will be collared.



**Photo #4 - MV2012S0019 - AANDC-CARD**  
Both drill contractor's have cuttings tanks on site for transport to the Northwest Pond.



**Photo #5 - MV2012S0019 - AANDC-CARD**  
This area will be prepared for the stockpiling of tailings for the paste backfill program.



**Photo #6 - MV2012S0019 - AANDC-CARD**  
Drainage from the stockpile location will be directed through this area to the B1 Pit.