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December 18, 2017

GNWT - Department of Infrastructure
P.O. Box 1320
Yellowknife, NT X1A 2P9

Attention: Terry Brookes

File Number	MV2017X0007
Type of Operation	Miscellaneous
Location	The three quarry sites and camp at KM 36.3 on Highway 6

Dear Mr. Brookes,

An inspection of the above noted operation was conducted on October 24, 2017 by Manager, Resource Management Mike Vassal and Resource Management Officer I, Olivia Villebrun.

Enclosed is a copy of the Environmental Inspection Report. Please refer to the unacceptable and noted conditions in the general comments section of this report. Your attention to this matter is appreciated.

If you have any questions, please contact me at 867-872-2558 ext. 24.

Sincerely,

Mike Vassal
Manager, Resource Management
Department of Lands
South Slave Region

CC: Tyree Mullaney, Regulatory Specialist, Mackenzie Valley Land and Water Board
Charlene Coe, Land Use Advisor, Department of Lands
Derise Rehm-Lepine, Regional Superintendent, South Slave, Department of Lands



ENVIRONMENTAL INSPECTION REPORT

Permittee:	GNWT - Department of Infrastructure	Permit Expiry Date:	March 15, 2022
Land Use Permit No.	MV2017X0007	Previous Inspection:	September 11, 2017
Quarrying Permit No.	2017QP0013	Inspection Date:	October 24, 2017
Contractor:	Rowes Construction	Subcontractor:	
Location(s) Inspected:	The three quarry sites and camp at KM 36.3 on Highway 6		
Current Stage of Operation:	Active crushing of material		
Program Modifications Approved:			

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

Operating Condition	Aspect Inspected					
	Site 1 (West)	Site 2 (Central)	Site 3 (East)	Staging Area	Camp	
Location as Permitted	A	A	A	A	A	
Time as Permitted	A	A	A	A	A	
Equipment as Approved (Type & Size)	A	A	A	A	A	
Methods & Techniques	A	A	A	A	A	
Facilities	A	A	A	A	A	
Erosion (Control or Prevention)	U #34	A	A	A	A	
Chemicals	A	A	A	A	A	
Wildlife and Fisheries Habitat (Protection)	A	A	A	A	A	
Wastes	A	A	A	A	A	
Historical / Archaeological Sites	A	A	A	A	A	
Fuel Storage	A	U #72	A	A	U #72	
Brush Disposal	A	A	A	A	A	
Restoration of Lands	N/A	N/A	U #83	N/A	N/A	
Permits	N/I	A	N/I	N/I	N/I	
Matters not Inconsistent	A	A	A	A	A	

Explanatory Remarks –

The quarry sites are numbered 1 through 3 with Site 1 being the furthest west and Site 3 the furthest east. The staging area and camp are east of all three quarries.



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Site 1 (West):

Equipment on site: None
Fuel and chemicals on site: None
The site was inactive during the inspection.

34. The Permittee shall slope the sides of waste material piles, excavations and embankments – except in solid rock- to a minimum ration of 2:1 vertical, unless otherwise authorized in writing by an inspector.

There are slopes that are too steep as shown in Figure 2.

Site 2 (Central):

Equipment on site: 6- crusher and/or sorter, 1- excavator, 1- loader, and 1- generator.
Fuel and chemicals on site: 3- fuel barrels, 4- 100lb propane tanks, and motor oil.
The site was active during the inspection.

Site 2 is being used for blasting, crushing, and stockpiling. The site was clean and well maintained. There were no issues with fuel or chemical storage. The site did not have a copy of the Land Use Permit. It is recommended that each active site have a copy of the LUP.

72. All equipment that may be parked for two hours or more, shall have hazmat/drip tray under it or be sufficiently diapered. Leaky equipment shall be repaired immediately.

The crushers not being used did not have drip trays. If equipment is parked greater than two hours then secondary containment is needed.

Site 3 (East):

Equipment on site: None
Fuel and chemicals on site: None
The site was inactive during the inspection.

There are piles of trees that are to be used by Timberworks.

83. The permittee shall carry out progressive reclamation of disturbed areas as soon as it is practical to do so.

Since Site 3 will not be used the site should be reclaimed as soon as practical. This would include spreading and crushing the brush debris with heavy machinery.

Staging Area:

Equipment on site: None
Fuel and chemicals on site: None
The site was inactive during the inspection.

The heavy equipment and fuel containers have been removed. What remains is a pile of used culverts. They need to be removed to an approved facility.

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Camp:

Improvements: 12 trailers, 4 sumps (12'x16'), 1 generator shed, 1 seacan

Equipment on site: 3- rollers,

Fuel and chemicals on site: 2 500lb propane tank, 1 fuel tank, motor oil, antifreeze,

The site was active during the inspection.

72. All equipment that may be parked for two hours or more, shall have hazmat/drop tray under it or be sufficiently diapered. Leaky equipment shall be repaired immediately.

The parked equipment did not have drip trays. If equipment is parked greater than two hours then secondary containment is needed.

Representative Signature



Inspector's Signature



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Inspection Images:

Figure 1

Site 1: Over view of site



Figure 2

Site 1: Steep edges



Figure 3

Site 1: Overburden



Figure 4

Site 2: Crushers, sorters, and excavator



Figure 5

Site 2: Crushers not being used



Figure 6

Site 2: Trailer





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Figure 7

Site 2: Material source



Figure 8

Site 2: Generator on skids



Figure 9

Site 3: Brush debris



Figure 10

Site 3: Trees to be used by Timberworks



Figure 11

Staging Area: Culverts



Figure 12

Camp: Over view





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Figure 13

Camp: Sumps and trailers



Figure 14

Camp: Fuel tank



Figure 15

Camp: Seacan used for storage

