



Telephone: 867-872-2558 Ext. 25
Fax: 867-872-3472

May 31, 2021

Fort Smith Const. NT. Ltd.
P.O. Box 1365
Fort Smith, NT X0E 0P0

Attention: Alden VOGT

File Number	MV2016Q0036
Type of Operation	QUARRY SITE - Existing
Location	Quarry pit on Salt Mountain

Dear Alden VOGT,

An inspection of the above noted operation was conducted on May 20, 2021 by Manager Resource Management Katie White and Resource Management Officer Norm McCowan.

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. 25

Sincerely,

Katie White
Manager Resource Management
Lands
South Slave

CC: Mackenzie Valley Land and Water Board
Leslie Wiltzen, Regional Superintendent, Department of Lands, South Slave



ENVIRONMENTAL INSPECTION REPORT

Permittee:	Fort Smith Const. NT. Ltd.	Permit Expiry Date:	December 03, 2022
Land Use Permit No.	MV2016Q0036	Previous Inspection:	March 24, 2021
Quarrying Permit No.	2021QP0011	Inspection Date:	May 20, 2021
Contractor:	Rowe's Construction	Subcontractor:	
Location(s) Inspected:	Quarry pit on Salt Mountain		
Current Stage of Operation:	Crushing operation completed in 2020. Permittee currently removing processed granular materials from stockpiles located within project area.		
Program Modifications Approved:	N/A		

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

Operating Condition	Aspect Inspected				
	Quarry				
Location as Permitted	A				
Time as Permitted	A				
Equipment as Approved (Type & Size)	A				
Methods & Techniques	A				
Facilities	U	#13			
Erosion (Control or Prevention)	A				
Chemicals	U	#16-18			
Wildlife and Fisheries Habitat (Protection)	A				
Wastes	U	#21			
Historical / Archaeological Sites	A				
Fuel Storage	U	#31-32			
Brush Disposal	A	#33-35			
Restoration of Lands	U				
Permits	A				

Explanatory Remarks -

Quarry:

Fort Smith Construction is hauling material processed under the authority of Quarry Permits 2019QP0034 (8,000m³) and 2021QP0011 (30,200m³). No further removal of pitrun gravel is authorized until a new quarry permit has been issued.

Heavy equipment tires, miscellaneous debris and camper trailer hoses that appear to be partially buried were noted on site (Figures 15-18). Conditions 13 & 21 under Land Use Permit MV2016Q0036 require the Permittee to keep the area clean and garbage in a designated container.

No adequate spill response kit was on site at the time of inspection and significant hydrocarbon stains were observed throughout the project area (Figures 19-25). A haul truck that came to the site had an oil leak and left numerous spills. Impacted soils must be



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removed and disposed of at an authorized facility. Inspectors went back to the site on May 28 and marked spills (Figures 41-51). Inspectors will be following up on site to document actions taken to rectify this issue.

Drip trays were present but not under all equipment (Figures 26-33). Conditions 30-32 require sufficient spill response supplies and spill cleanup. All equipment parked for two hours or more must have drip trays in place. Fueling operations require secondary containment.

The Inspectors were disappointed to observe a number of fuel spills covered over by fresh gravel (Figures 23-24). In accordance with Permit Condition #32, the Permittee is required to clean up all fuel leaks, spills and contaminated material. The Inspectors note that the Permittee has made no effort to address this issue. The intent of this condition is to ensure that all fuel spills are immediately cleaned up.

Progressive brush and overburden disposal has occurred over areas where granular material is still available (Figures 34-35). Fort Smith Construction stated in their quarry application that "non-salvageable timber disposal will be achieved through burning. Any timber cleared that is larger than 13cm in diameter will be piled and salvaged." The inspection notes that the Permittee made no effort to salvage timber larger than 13cm for firewood. This is especially disappointing considering the close proximity of the gravel pit to the Town of Fort Smith where residents utilize firewood for home heating.

Timber greater than 13cm must be decked in a location accessible to the public for salvage. Decked timber must not be mixed with gravel and overburden.

In accordance with Permit Condition #37, overburden must be spread over the depleted portion of the pit and not used to recontour the active face.

Final restoration has not been completed on the Permittee's old quarry pit to the north east (Figures 38-40). Condition 38 requires final cleanup and restoration. If the material is no longer needed the stockpiles need to be leveled and working faces should be sloped to a 2:1 ratio. A stockpile of processed material remains in the old quarry pit area.

The following deficiencies noted during the inspection must be addressed by the Permittee:

- Non-serviceable equipment and debris need to be contained and removed.
- Leaky equipment must cease operation immediately and be repaired.
- Spills must be excavated and contaminated soil must be disposed of at an authorized facility.
- An adequate spill kit must be kept on site at all times and drip trays must be kept under all equipment parked for 2 or more hours.
- Brush spread over useable material needs to be cleaned and piled for burning. Salvageable trees must be stacked clean of overburden and gravel.
- Active faces cannot be mixed with brush and overburden.
- Restoration of the Permittee's old quarry pit to the northeast needs to be completed.

Representative Signature

Inspector's Signature

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Inspection Images:

Figure 1

Access road into quarry pit facing north west.



Figure 2

View of quarry pit facing south east.





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Figure 3
View of quarry pit facing south.



Figure 4
View of quarry pit facing north.





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Figure 5
View of pit facing north west.



Figure 6
View of quarry pit facing south west.





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Figure 7
View of quarry pit facing north east.



Figure 8
Stockpile A: Marked “3/4 Crush Eldon (Alden)” footprint measures ~20m x 23m.





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Figure 9
Fort Smith Construction actively hauling from Stockpile A at the time of inspection.



Figure 10
Stockpile B: Marked "3/4 Crush Rowe's" footprint measures 13m x 33m.





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Figure 11
Stockpile C: Marked “Reject Rowe’s” footprint measures ~20m x 30m.



Figure 12
Stockpile D: Marked “Rip Rap Rowe’s” footprint measures ~7.2m x 7.6m.





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Figure 13
Stockpile E: Crushed rock footprint measures 8.3m x 18m.



Figure 14
Stockpile F: Small cobble pile stored behind crushed rock.





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Figure 15
Heavy equipment tire stored along northern boundary.



Figure 16
Heavy equipment tires and an enclosed trailer stored near the entrance of the pit.





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Figure 17
Miscellaneous items stored near the entrance of the pit.



Figure 18
Camper trailer hoses left on site appear to be partially buried.





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Figure 19

Spills observed under crusher.



Figure 20

Spill measuring ~6.7m x 1.6m located near the southern boundary of the pit.





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Figure 21
Oil spill observed after Fort Smith Construction haul truck was on site.

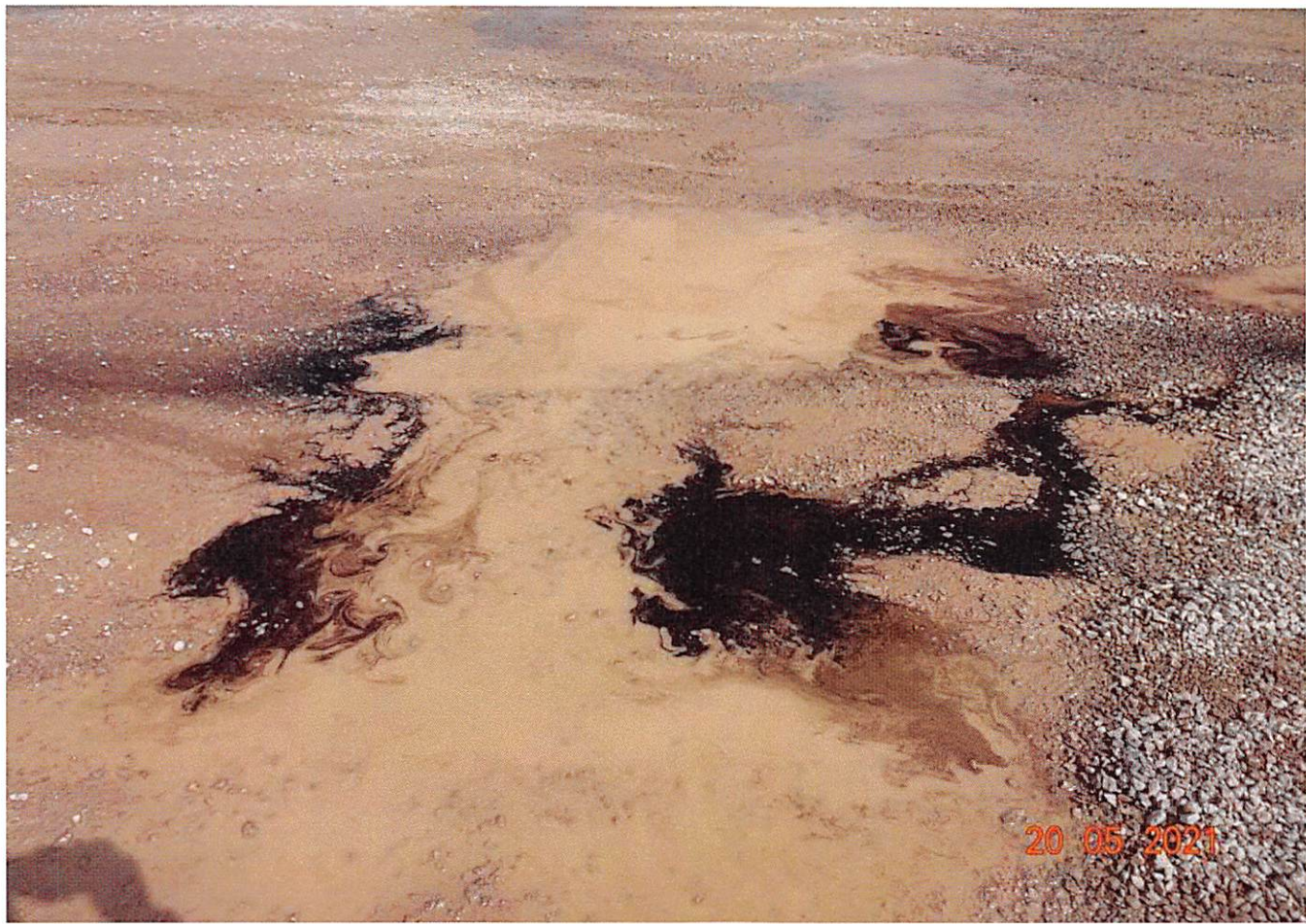


Figure 22
Numerous spills located near parked machinery.





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Figure 23

Spill incorrectly covered with gravel under equipment.



Figure 24

Spill covered with gravel near genset.





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Figure 25

Spill located near equipment.



Figure 26

Rowe's Construction semi-truck with drip tray.



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Figure 27
Trailer attachment.



Figure 28
Haul truck with drip tray.





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Figure 29

Front-end loader with drip tray.



Figure 30

Excavator parked on stockpile A.





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Figure 31

Rowe's Construction crusher.



Figure 32

Conveyor belts on western boundary.





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Figure 33

Equipment stored on-site near crushed rock stockpile.



Figure 34

Progressive brush disposal in the southern portion of the pit.





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Figure 35
Progressive brush disposal in the southern portion of the pit.



Figure 36
Active face in the northern portion of the pit.





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Figure 37
Active face along southern boundary of the pit.



Figure 38
Location of old quarry permit 2012QP0076 under LUP MV2010Q0056.





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Figure 39

Image showing stockpiles in old Fort Smith Construction quarry pit that requires leveling.



Figure 40

Image showing stockpiles in old Fort Smith Construction quarry pit that requires leveling.





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Figure 41
Map showing locations where multiple spills were observed.



Figure 42
Marked spill.





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Figure 43
Marked spills.



Figure 44
Spill on gravel pile.





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Figure 45
Marked spills.



Figure 46
Marked spills.





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Figure 47



Figure 48





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Figure 49
Marked spills.



Figure 50
Marked spills.





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Figure 51
Marked spills.

