



Telephone: 867 874-6994

Fax: 867 874-2460

August 05, 2022

Rowe's Construction
25 Studney Drive
Hay River, NT X0E 0R6

Attention: Ron Schaub

File Number	MV2021Q0021
Type of Operation	QUARRY SITE - Existing
Location	Granular Deposit HR33

Dear Mr. Schaub,

An inspection of the above noted operation was conducted on June 23, 2022 by Manager, Resource Management Norm McCowan and Lands Assistant Georgia Dawson.

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 867 874-6994.

Sincerely,

Norm McCowan
Manager, Resource Management
Department of Lands
South Slave Region

CC: MVLWB



ENVIRONMENTAL INSPECTION REPORT

Permittee:	Rowe's Construction	Permit Expiry Date:	January 21, 2026
Land Use Permit No.	MV2021Q0021	Previous Inspection:	New
Quarrying Permit No.	2021QP0018	Inspection Date:	June 23, 2022
Contractor:		Subcontractor:	
Location(s) Inspected:	Granular Deposit HR33 at Km 44.5, NWT Highway No. 5		
Current Stage of Operation:	Active crushing operation. Granular materials being processed and removed from HR33 under the authority of Quarry Permit 2021QP0018.		
Program Modifications Approved:			

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

Operating Condition	Aspect Inspected					
	HR33					
Location as Permitted	A					
Time as Permitted	A					
Equipment as Approved (Type & Size)	A					
Methods & Techniques	A					
Facilities	A					
Erosion (Control or Prevention)	A					
Chemicals	A					
Wildlife and Fisheries Habitat (Protection)	A					
Wastes	A					
Historical / Archaeological Sites	A					
Fuel Storage	U (24, 26, 27)					
Brush Disposal	A					
Restoration of Lands	A					
Permits	A					
Matters not Inconsistent	A					
Sections 8 to 12 / 14 to 16 M.V.L.U.R.	A					

Explanatory Remarks -

An inspection of the quarry operation at the HR33 Deposit located at Km 44.5, NWT Highway No. 5 was conducted by Inspector Norm McCowan and Lands Assistant Georgia Dawson on June 23, 2022. The inspection was conducted to ensure compliance with the conditions annexed to Land Use Permit MV2021Q0021. All findings of the inspection were discussed on site with Brian Colville, Supervisor with Rowe's Construction.

At time of inspection, crushing operations were active on the west side of the pit that was expanded in the fall of 2021 under the authority of MV2014Q0025. Total area of HR33 that has been developed is 7.19 ha. NW corner: 60°41’42.8”N 115°06’8.7”W; SW corner: 60°41’39.4”N 115°06’06.0”W (Figure 18).



ENVIRONMENTAL INSPECTION REPORT

The crusher set-up was inspected and found to be in full compliance with the permit conditions. The grounds around the crusher were organized, clean of garbage and waste. Spill-response equipment was available to respond to any potential spills. Crushing operations were progressing well with processed 2" and ¾" being stockpiled.

Quarry Permit 2021QP0018 issued on June 14, 2021 (Expiry date: June 24, 2024) authorizes the removal of 25,000 m³ from the HR33 Deposit. Monthly Returns submitted by Rowe's Construction on July 14, 2022 reported that 17,098 m³ of gravel has been removed from site. Quantity of material remaining under this quarry permit as of July 14, 2022 was 7,902 m³.

The only environmental concern noted during the inspection was a number of hydrocarbon spills observed on the north and east side of the gravel pit as shown in Figures 13 through 17. The Inspector was disappointed to see that these spills had not been immediately cleaned-up in contravention of Permit Condition #27 which states *"The Permittee shall clean up all leaks, spills, and contaminated material immediately."*

A hydrocarbon stain was observed under the parked Groundworx tracked crusher located on the east side of the pit. It is noted that there was no drip tray under the crusher in contravention of Permit Condition #26 which states *"All equipment that may be parked for two hours or more, shall have a hazmat/drip tray under it or be sufficiently diapered. Leaky equipment shall be repaired immediately."*

It is required that the hydrocarbon impacted soils under the crusher be clean-up and a drip tray placed underneath to capture all leaks and drips. Repairs must be made to the crusher to prevent the spill from continuing.

The larger hydrocarbon spill was observed on the west side of the "Muster Station" trailer located on the east side of the gravel pit. The coordinates of the spill are 60°41'48.1"N 115°05'37.7"W. Additional hydrocarbon spills were observed on the north side of the crusher. All hydrocarbon impacted soils must be clean-up and hauled to an authorized disposal site in accordance with the Spill Contingency Plan. A small amount of garbage was scattered around the east side of the pit which also must be cleaned-up.

Rowe's Construction must comply with their Spill Contingency Plan and ensure all spills are immediately cleaned-up (Condition #24). Permit Condition #24 states *"The Permittee shall comply with the Spill Contingency Plan, once approved, and shall annually review the plan and make any necessary revisions to reflect changes in operations, technology, chemicals, or fuels, or as directed by the Board. Revisions to the plan shall be submitted to the Board for approval."*

The hydrocarbon spills are noted to be less than 100 litres. As the volume of the spills was less than 100 litres, the Permittee is not required to report the spills to the spill line as required by Permit Condition #28 (Report Spills).

Representative Signature


Inspector's Signature

Date:	June 23, 2022	Permit #:	MV2021Q0021	Page No:	2
-------	---------------	-----------	-------------	----------	---



ENVIRONMENTAL INSPECTION REPORT

Inspection Images:

Figure 1

Aerial view of the HR33 Deposit facing east. Photograph was taken by the Department of Lands on September 17, 2021.



Figure 2

Facing west showing the stockpiles of processed materials and active crushing operation in progress.





ENVIRONMENTAL INSPECTION REPORT

Figure 3
Crusher and stockpiles of processed material.



Figure 4
No concerns noted with the crusher set-up.





ENVIRONMENTAL INSPECTION REPORT

Figure 5

Pit run gravel being excavated from the active face on the north side of the pit.



Figure 6

Facing east from the expanded section of the pit facing the crusher set-up.





ENVIRONMENTAL INSPECTION REPORT

Figure 7
Processed material being hauled from site.



Figure 8
Stockpile of 2 inch minus processed this season.





ENVIRONMENTAL INSPECTION REPORT

Figure 9

Facing west towards the east side of the expanded pit.



Figure 10

Gravel pit has been expanded to the west. Permittee has done a very good job with brush and overburden disposal.





ENVIRONMENTAL INSPECTION REPORT

Figure 11

Facing west showing the area expanded for future quarry operations.



Figure 12

Facing east from the northwest corner of the expanded pit.





ENVIRONMENTAL INSPECTION REPORT

Figure 13

Small hydrocarbon spills on the north side of the pit requiring clean-up.



Figure 14

Hydrocarbon staining observed on the north side of the parked crusher. Crusher was parked on the east side of the pit.





ENVIRONMENTAL INSPECTION REPORT

Figure 15
Hydrocarbon staining observed on the immediate north side of the crusher.



Figure 16
Hydrocarbon staining observed under the crusher. No drip tray was located under the parked equipment.





ENVIRONMENTAL INSPECTION REPORT

Figure 17
Hydrocarbon spills observed on west side of the "Muster Station" trailer.



Figure 18
Developed area of HR33.

