



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Inspection Report

Permit Number:	C0150009
Inspection Type:	COMPLETE
Inspection Date:	Thursday, July 27, 2017
Start Date/Time:	7/27/2017 10:00:00 AM
End Date/Time:	7/27/2017 12:30:00 PM
Last Inspection:	Tuesday, June 20, 2017

Representatives Present During the Inspection:	
OGM	Justin Eatchel
Company	Bryant Bunnell

Inspector: Justin Eatchel

Weather: 78 F Mostly Sunny

InspectionID Report Number: 5933

Accepted by:

Permittee: **FOSSIL ROCK RESOURCES, LLC**
 Operator: **FOSSIL ROCK RESOURCES, LLC**
 Site: **FOSSIL ROCK MINE**
 Address: **225 North 5th Street, 9th Floor, CO 81501**
 County: **EMERY**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **ACTIVE**

Current Acreages

3,564.83	Total Permitted
27.83	Total Disturbed
	Phase I
	Phase II
	Phase III

Mineral Ownership

- Federal
- State
- County
- Fee
- Other

Types of Operations

- Underground
- Surface
- Loadout
- Processing
- Reprocessing

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

Justin Eatchel with the Division and Bryant Bunnell with the company did a complete inspection of the Fossil Rock main mine facilities and waste rock site.

Inspector's Signature:

Justin Eatchel

Justin Eatchel,

Inspector ID Number: 73

Date: Tuesday, August 22, 2017



REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
 - a. For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.
 - b. For PARTIAL inspections check only the elements evaluated.
2. Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.

	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Signs and Markers

The correct signage was displayed at the site.

4.a Hydrologic Balance: Diversions

Diversions were walked and appeared to be functioning properly, although a fairly large recent storm event had washed organic matter into the bypass culvert inlets. The inlets were not blocked, and appeared to be functioning properly in spite of the extra debris. Bryant mentioned that he would get the inlets cleaned out soon.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

As a result of the recent storms the sediment pond at the main mine site was approximately one third full, and the sediment pond at the waste rock site was extremely full -- about one foot away from spilling. It did not appear that it had spilled recently as the outflow channel was dry and showed no signs of erosional rilling.

4.c Hydrologic Balance: Other Sediment Control Measures

Wattles installed on the surface of the subsoil storage pile were "perched" in some places, where the sediments had been eroded out from underneath the wattles, leaving the stakes standing and holding the wattles aloft like a skewered hot dog. The reason for this is that the wattles have been creating preferential erosional channels, and the extremely large recent storm events have followed those channels, directing a large amount of water through the wattle channels, getting larger and deeper with every passing storm.

7. Coal Mine Waste, Refuse Piles, Impoundments

It did not appear that any mining activity had taken place here recently.

16.a Roads: Construction, Maintenance, Surfacing

Where the paved main road meets the waste rock site parking lot, recent rains have cut a series of deep rills and erosional channels into the dirt parking area.

16.b Roads: Drainage Controls

Check dams alongside primary road in waste rock site were full of sediment and required cleaning. It appeared that recent storms had been responsible for the current state of the check dams.

21. Bonding and Insurance

The mine holds adequate liability insurance with an effective policy period starting on 02/01/2017 and expiring on 02/01/2018. The mine holds a surety bond in the amount of \$1,154,000 with Ironshore Indemnity Inc.