



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:	Monday, June 24, 2019
Start Date/Time:	6/24/2019 1:00:00 PM
End Date/Time:	6/24/2019 4:00:00 PM
Last Inspection:	Monday, May 13, 2019

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

Inspector: Justin Eatchel
 Weather: Partly cloudy, 74F
 InspectionID Report Number: 6455
 Accepted by:

Permitee: **FOSSIL ROCK RESOURCES, LLC**
 Operator: **FOSSIL ROCK RESOURCES, LLC**
 Site: **FOSSIL ROCK MINE**
 Address: ,
 County: **EMERY**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **INACTIVE**

Current Acreages

43.82	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:

This complete inspection consisted of a visual inspection for all areas within the disturbed area boundary at the main mine site as well as the waste rock site. The sites appeared stable.

Inspector's Signature:

Justin Eatchel,
 Inspector ID Number: 73

Date Thursday, June 27, 2019



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 checked="" 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 checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" 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 checked="" 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"/>

1. Permits, Change, Transfer, Renewal, Sale

The existing permit is current and will expire on February 21, 2020. Records of quarterly inspections of impoundments and refuse disposal areas are current. UPDES permit #UT0023728 was recently renewed and is set to expire on April 30, 2024.

2. Signs and Markers

Signs designating topsoil, subsoil, and disturbance limits are in place and in good condition. A sign indicating the name, permit number, and other contact information is posted in plain view at the main mine site as well as the waste rock site.

3. Topsoil

Topsoil piles at both the main site and the waste rock site are well posted, and native vegetation has taken hold.

4.a Hydrologic Balance: Diversions

Diversions at the waste rock site appeared to be in stable condition, although some of the wider diversions on the west side were beginning to fill with silt. The diversions at the main site were clean and clear of debris.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Sediment ponds at both locations were completely dry.

4.c Hydrologic Balance: Other Sediment Control Measures

Recently installed silt fences on the south of Topsoil Pile #1 at the waste rock site appear to be in good condition, although a few sections have started to fall over.

8. Noncoal Waste

Site appeared to be clean and free of debris.

15. Cessation of Operations

Permittee requested cessation status on October 15, 2018.

16.b Roads: Drainage Controls

Drainage ditches and culverts at both sites appear to be clear of debris and stable.

20. Air Quality Permit

Air quality permit #DAQE-EN156760001-16 was issued September 7, 2016.

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21. Bonding and Insurance

Division records indicate that a surety bond in the amount of \$1,168,000 is currently held with Endurance Assurance Co., an A+ rated surety company. Insurance is provided through Great Midwest Insurance Co, and expires on February 1, 2020.

ATTACHMENT A – June 24, 2019 Complete inspection



PHOTO 1 – POSTED PERMIT, MAIN SITE
 Posted along the County road just south of the Permit area.



PHOTO 2 – INTAKE CULVERT, MAIN SITE
 Culvert intake appears mostly clear. Snowmelt runoff is currently flowing through the culvert.



PHOTO 3 – CONCRETE GUTTER, MAIN SITE
 The gutters that run parallel to the County road were clean and clear of debris.



PHOTO 4 – DIVERSION, MAIN SITE
 The inlet of the 48" CMP culvert that diverts runoff underneath the topsoil stockpile west of the buildings.

ATTACHMENT A – June 24, 2019 Complete inspection



PHOTO 5 – SEDIMENT POND, MAIN SITE
Winter snows have melted, and the pond is completely dry.



PHOTO 6 – POSTED PERMIT, MAIN SITE
Posted along the County road just north of the Permit area.



PHOTO 7 – 66” CULVERT OUTLET, MAIN SITE
The water flowing from the culvert is Cottonwood mine water discharge plus snowmelt runoff.



PHOTO 8 – COTTONWOOD MINE DRAINAGE
This 24” drop culvert captures the Cottonwood Mine water drainage in route to Cottonwood Creek.

ATTACHMENT A – June 24, 2019 Complete inspection



PHOTO 9 – SILT FENCE, WASTE ROCK SITE
Looking North - The newly installed silt fence at the base of Topsoil pile #1. The sediment pond is on the left.



PHOTO 10 – SILT FENCE, WASTE ROCK SITE
Newly installed silt fence at the base of Topsoil pile #1 appears to be falling down in places.



PHOTO 11 – PERMIT SIGN, WASTE ROCK SITE
Topsoil pile #3 just behind this sign.



PHOTO 12 – PERIMETER SIGN, WASTE ROCK SITE
Installed parallel to the primary road, looking South.

ATTACHMENT A – June 24, 2019 Complete inspection



PHOTO 13 – SUBSOIL STOCKPILE, WASTE ROCK SITE
Native vegetation taking hold at the base.



PHOTO 14 – SEDIMENT POND, WASTE ROCK SITE
Completely dry.



PHOTO 15 – DIVERSION DITCH, WASTE ROCK SITE
This runs along the west side of the disturbed area. This particular ditch collects a lot of silt.



PHOTO 16 – DIVERSION DITCH, WASTE ROCK SITE
This diversion runs parallel to the primary road, and check dams like this are installed at periodic intervals.