



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:	Tuesday, June 14, 2016
Start Date/Time:	6/14/2016 9:00:00 AM
End Date/Time:	6/14/2016 1:00:00 PM
Last Inspection:	Tuesday, March 08, 2016

Representatives Present During the Inspection:	
OGM	Keenan Storrar
Company	Vicky Miller

Inspector: Keenan Storrar

Weather: Sunny, -65 F

InspectionID Report Number: 5550

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: **INACTIVE**

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:

Vicky Miller represented the Permittee during the inspection. The inspection started at the waste rock site. We walked the ditches and discussed the mining operations. Bowie Coal Refining commenced mining and screening coal at the site last week (June 6-10, 2016). At the main mine site we began the inspection at the inlet of the up-stream bypass culvert, and worked our way down to the pond at the bottom. Unless it is specifically stated, the active mining operations within this report are in reference to the waste rock site. This report also follows up on a couple issues identified at the main mine site as well.

Inspector's Signature:

Keenan Storrar,
Inspector ID Number: 71

Date Tuesday, June 21, 2016



Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining. telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov

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 checked="" type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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 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"/>

1. Permits, Change, Transfer, Renewal, Sale

There are no permit amendments at this time. The Permit was issued on October 8th, 2015.

2. Signs and Markers

Perimeter markers at the main mine site and have recently been painted with bright coloring (Photo 1).

3. Topsoil

Topsoil has not yet been stripped from the southern face of the lifts. When the topsoil is stripped it will be placed on the western edge of Topsoil Pile #2 located south of the access road.

Subsoil was recovered from the top of the lift and moved to a temporary placement at the northern end of the subsoil stock pile (Photo 2). This subsoil pile will be moved another 100' to 200' south and placed on the top of the subsoil pile. Once it is in its final placement it will be bermed.

4.a Hydrologic Balance: Diversions

Ditch DA and DB along their lengths. No work has been performed on the diversions since the last inspection and issuance of NOV 21173 (Photos 3 - 6).

At the main mine two issues of the 'curb gutter' were inspected. The top end of the gutter has been cleaned out further since the last inspection (Photo 7). The lower end of the gutter, right before it spills into the pond, needs maintenance (Photo 8). This issue was pointed out in the last inspection as well. Vicky is aware of the issue and we discussed possible solutions to fix the erosion outside of the hardened concrete inlet.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The sediment pond at the main mine site had one to two feet of standing water (Photo 9). The waste rock site pond was dry (Photo 15). The primary spillway for the pond at the waste rock site was clear of sediment and debris.

4.c Hydrologic Balance: Other Sediment Control Measures

The sediment fence at the southern end of the subsoil stockpile has been replaced and is functioning correctly (Photo 10).

4.d Hydrologic Balance: Water Monitoring

The Permittee is in the process of uploading Q1 water monitoring data to the database. The five year baseline sampling will be conducted this year.

4.e Hydrologic Balance: Effluent Limitations

No outfalls discharged during Q2 2016.

5. Explosives

No explosives are stored on site.

7. Coal Mine Waste, Refuse Piles, Impoundments

At the waste rock site the coal is being screened into three piles: 4" minus, fines, and waste rock (Photo 11). A roughly 4000 ton pile of 4" minus and a similar sized pile of fines was on the southeast corner of the lift (Photo 12). Mining has begun in the northwest corner of the site. The current plan is to bring the pile down in 10' lifts (Photo 13). The plan is dynamic and will adjust depending on the quality and availability of the coal.

16.a Roads: Construction, Maintenance, Surfacing

The road exiting the lift at the waste rock site is in need of maintenance. Water was ponding water on the surface of the road causing mud and debris to be tracked across the site as vehicles entered and exited the lift (Photo 14). The road will be regraded as reining lowers the lift elevation of the waste rock pile, so this issue will be fixed shortly.

21. Bonding and Insurance

The mine is bonded for \$1,154,000.

The Certificate of Liability is effective as of 2/1/2016 to 2/1/2017. Coverage for each occurrence is \$2,000,000 and General Aggregate is \$3,000,000.

ATTACHMENT A – Photos June 14, 2016 inspection



PHOTO 1

The perimeter markings have been painted so they are more visible.
June 14, 2016



PHOTO 2

Temporary placement of recovered subsoil.
June 14, 2016



PHOTO 3

Ditch DA
June 14, 2016



PHOTO 4

Ditch DA
June 14, 2016

ATTACHMENT A – Photos June 14, 2016 inspection



PHOTO 5
Ditch DB
June 14, 2016



PHOTO 6
Ditch DB
June 14, 2016



PHOTO 7
Top of curb gutter ditch.
June 14, 2016



PHOTO 8
Bottom of curb gutter ditch needing maintenance.
June 14, 2016

ATTACHMENT A – Photos June 14, 2016 inspection



PHOTO 9
 Mine pond holding standing water.
 June 14, 2016



PHOTO 10
 ASCA silt fence has been replaced at southern end of subsoil pile.
 June 14, 2016



PHOTO 11
 Coal screener at waste rock site.
 June 14, 2016



PHOTO 12
 Screened coal piles, 4" minus on left, fines on right
 June 14, 2016

ATTACHMENT A – Photos June 14, 2016 inspection



PHOTO 13
Beginning excavation of the first lift.
June 14, 2016



PHOTO 14
Ponding on access road.
June 14, 2016



PHOTO 15
The waste rock pond is dry.
June 14, 2016