



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:	C0410002
Inspection Type:	PARTIAL
Inspection Date:	Tuesday, March 08, 2016
Start Date/Time:	3/8/2016 8:30:00 AM
End Date/Time:	3/8/2016 2:30:00 AM
Last Inspection:	Tuesday, February 02, 2016

Representatives Present During the Inspection:	
Company	Jake Smith
Company	Amanda Richard
Company	Wyatt Shakespear
OGM	Priscilla Burton
OGM	Karl Houskeeper
Company	Gregg Galecki

Inspector: Karl Houskeeper

Weather: Clear Skies, Temp. 48 Deg. F.

InspectionID Report Number: 5459

Accepted by: JHELFRIC
3/31/2016

Permitee: **CANYON FUEL COMPANY**
 Operator: **CANYON FUEL COMPANY**
 Site: **SUF CO MINE**
 Address: **597 SOUTH SR24, SALINA UT 84654**
 County: **SEVIER**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **ACTIVE**

Current Acreages

720.48	Total Permitted
49.66	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:

Harward & Rees (Loa, Utah) are the construction contractors at the waste rock site. Jake Smith is the Project Manager for SUFCO. The work got underway last October. A new access road is in place off the County road. Topsoil and subsoil recovery is nearly completed from both Phase 1 (1.28 acres) and Phase 2 (4.23 acres) expansion areas. Lifts 4 and 5 (in the original footprint) have been subsoiled and topsoiled. The new sediment pond has been installed. Riprap ditch DD1 is installed from the Phase 2 area to the topsoil pile. Perimeter ditch UD#1 is under construction.

Refer to MRP Volume 3, Map 2A and 2B for soil salvage during Phase 1 and Phase 2. Refer to Map 4A and 4B for Operational Phase I and Phase 2. Refer to Map 5A for Operational Hydrology Plan.

Inspector's Signature:

Date: Tuesday, March 08, 2016

Karl Houskeeper,
Inspector ID Number: 49

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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 waste rock site was approved on October 8, 2016. The Permittee is reminded that the MRP Chapter 2, p. 2-24 includes a commitment to provide an as-built survey of the volumes salvaged in Phase 1 (Map 2 series) and the volumes stockpiled (Map 4 series) within six months of completion of Phase 1. Based upon the information gathered for the Phase 1 as-built, the plan for subsequent phases will be re-defined on all operational tables in the Map 2 series and the stockpiled volumes in the Map 4 series will be adjusted accordingly.

2. Signs and Markers

Mine identification signs are in place at points of access from the public into the mining permit area. The signs contained the required information as required by law.

3. Topsoil

The topsoil storage pile 1A, 1B, the combined topsoil piles 2 & 3, the Sediment pond topsoil, and Lift #4 topsoil pile were consumed in reclamation of Lifts 4 & 5 (all shown on Map 2A). The total volume in all of the above piles was reported to be 7,061 CY (Vol 3, Chap 2, Sec 222). The former subsoil pile located adjacent to the County Road was also used to reclaim Lift #4 & 5. It had a total volume of 11,260 CY (Vol 3, Chap 2, Sec 222). In Lifts 4 & 5 the depth of cover is 30 inches according to the original plan. No distinction was made as to the depth of sub vs. topsoil. (Depth of cover was not measured during this inspection. The area remains to be mulched, roughened, and seeded. We discussed the use of rippers to roughen the relatively level surface of Lifts 4 & 5. This approach would meet the requirements of the rules for stabilization. However the Permittee plans to use pocking on the slopes of the pile. A sloping access down to the primary road was left on the south slope of Lift #4 and #5. This was not in the original design, but will be apparent in the asbuilt drawings.

According to truck counts, approximately 54,000 CY of topsoil and subsoil has been hauled since construction began, including reclamation of Lifts 4 & 5. Mr. Smith is calculating the volume contained in the subsoil and topsoil piles. According to Maps 2A and 2B, Phase 1 (1.28 acres) and 2 (24.23 acres) combined should produce 37,000 CY of stockpiled topsoil and 27,400 CY of stockpiled subsoil. Depth of cover over Phase 1 and Phase 2 will be four feet as required by R645-301-553.

4.a Hydrologic Balance: Diversions

Two culverts (DC-1 and DC-2) pass beneath the access road. A third culvert (DC-3) near the topsoil pile was not yet installed.

Existing cement Ditch No 2 remains in place. Riprapped ditch DD#1 has been constructed to carry flow along the eastern side of the primary road. Earthen ditch DD#2 was also in place to treat Phase 2 area. UD#1 was under construction to carry flow from outside the permit area around the site.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The upper sediment pond remains in place. The lower sediment pond has been constructed. A catch basin just downstream of the lower sediment pond will handle off-site flow from UD-1. The catch basin has not yet been constructed.

7. Coal Mine Waste, Refuse Piles, Impoundments

The refuse pile area appeared stable. No visible hazards were observed during the inspection. Reclamation has taken place on the refuse pile. Sub soil and topsoil have been placed on the surface and out slopes of the last section of the existing pile. This area still needs to be re-seeded.

8. Noncoal Waste

The mine site and satellite areas of the permit area observed during the inspection were free of noncoal waste items.



SUFCO Waste Rock Site Expansion (Subsoil Pile/New Sediment Pond)



SUFCO Waste Rock Site Expansion (Subsoil Pile/New Sediment Pond)



Main Sediment Ponds



Mine Load Out