State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

Inspection Report

Permit Number:	**C0410002**
Inspection Type:	PARTIAL
Inspection Date:	Tuesday, October 16, 2012
Start Date/Time:	10/16/2012 10:00:00 AM
End Date/Time:	10/16/2012 2:00:00 PM
Last Inspection:	

Inspector: April Abate,

Weather: Clear, 60's

InspectionID Report Number: 3267

Accepted by: jhelfric
10/29/2012

Representatives Present During the Inspection:	
OGM	Joe Helfrich
Company	Amanda Richard
Company	Mike Davis

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

Current Acreages

720.48	**Total Permitted**
48.43	**Total Disturbed**
	Phase I
	Phase II
	Phase III

Mineral Ownership

- [x] Federal
- [x] State
- [ ] County
- [ ] Fee
- [ ] Other

Types of Operations

- [x] Underground
- [ ] Surface
- [ ] Loadout
- [ ] Processing
- [ ] Reprocessing

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

Inspection primarily focused on activities at the Waste Rock site.

Inspector's Signature: April Abate Digitally signed by April Abate
DN: cn=April Abate, o=Division of Oil, Gas, & Mining, ou=Coal Regulatory Program, email=aprilabate@utah.gov, c=US
Date: 2012.10.29 10:19:29 -06'00'

Date Tuesday, October 23, 2012

April Abate,
Inspector ID Number: 60

Note: This inspection report does not constitute an official finding of compliance with the regulatory program of the Division of Oil, Gas and Mining.

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UTAH DNR OIL, GAS & MINING

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Inspection Continuation Sheet

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 performace 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	☐	☐	☑	☐
2.	Signs and Markers	☐	☐	☐	☐
3.	Topsoil	☑	☐	☑	☐
4.a	Hydrologic Balance: Diversions	☑	☐	☑	☐
4.b	Hydrologic Balance: Sediment Ponds and Impoundments	☐	☐	☐	☐
4.c	Hydrologic Balance: Other Sediment Control Measures	☐	☐	☐	☐
4.d	Hydrologic Balance: Water Monitoring	☐	☐	☐	☐
4.e	Hydrologic Balance: Effluent Limitations	☐	☐	☐	☐
5.	Explosives	☐	☐	☐	☐
6.	Disposal of Excess Spoil, Fills, Benches	☐	☐	☐	☐
7.	Coal Mine Waste, Refuse Piles, Impoundments	☐	☐	☐	☐
8.	Noncoal Waste	☐	☐	☐	☐
9.	Protection of Fish, Wildlife and Related Environmental Issues	☐	☐	☐	☐
10.	Slides and Other Damage	☐	☐	☐	☐
11.	Contemporaneous Reclamation	☐	☐	☐	☐
12.	Backfilling And Grading	☐	☐	☐	☐
13.	Revegetation	☑	☐	☑	☐
14.	Subsidence Control	☐	☐	☐	☐
15.	Cessation of Operations	☐	☐	☐	☐
16.a	Roads: Construction, Maintenance, Surfacing	☐	☐	☐	☐
16.b	Roads: Drainage Controls	☐	☐	☐	☐
17.	Other Transportation Facilities	☐	☐	☐	☐
18.	Support Facilities, Utility Installations	☐	☐	☐	☐
19.	AVS Check	☐	☐	☐	☐
20.	Air Quality Permit	☐	☐	☐	☐
21.	Bonding and Insurance	☐	☐	☐	☐
22.	Other	☐	☐	☐	☐

1. Permits, Change, Transfer, Renewal, Sale

Had some opening discussion on the status of amendments. The company had finalized responses to two outstanding amendments: South Fork of Quitchupah undermining of the perennial stream and the Northwater Springs mitigation project. Both amendments were received by the Division during the week of October 15, 2012.

3. Topsoil

Topsoil salvage piles were observed at the waste rock site. The piles were observed with silt fence encircling them for sediment control. Additional drainage ditches leading to an alternate sediment control (ASCA) were constructed leading from topsoil piles that were not necessary. Inspector Helfrich indicated that the silt fencing alone is adequate sediment control.

4.a Hydrologic Balance: Diversions

An undisturbed drainage culvert is located beneath the subsoil pile designed to convey undisturbed runoff from the hillslopes northeast of the wasterock site. The culvert daylights on the east side of the subsoil pile where it was found to be comingling with disturbed drainage from the outslopes of the subsoil pile. The Permittee was asked to better isolate the undisturbed drainage culvert with additional sediment controls for the outslopes of the subsoil pile. Robust silt fencing was installed at an inlet culvert for the undisturbed drainage, which again is routed under the subsoil pile. Despite the silt fencing, a considerable amount of sediment was noted at the outfall of the undisturbed culvert discharge located on the south side of the subsoil pile. The berm surrounding the active waste rock cell was also evaluated. The berm was in stable condition, however it was noted that portions of the berm were constructed of waste rock and not dirt. The Permittee was asked to make the correction and replace the waste rock with dirt for their berm areas. The drainage control adjustments recommended by the Division should minimize the amount of sediment discharging off the permit area. If not, a review of the engineering design of sediment controls in this area for the company to evaluate is recommended. A follow up inspection of the area to address these concerns is recommended.

13. Revegetation

The Permittee indicated that they have performed some weed removal at the waste rock site. Kosher and Thistle weeds have been removed from the site.

Sufco Coal Mine Rd
Sufco Coal Mine
Undisturbed Ditch #2
Subsoil Pile
Outlet Culvert Undisturbed
Inlet Culvert Undisturbed
Outlet Culvert Undisturbed discharge off permit area
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Figure 1. Outlet culvert day lighting from beneath subsoil pile into undisturbed drainage ditch.

Figure 2. Inlet from undisturbed drainage ditch.

Figure 3. View looking north up the undisturbed drainage ditch. Active cell of waste rock pile in background.

Figure 4. Inlet receiving drainage from undisturbed drainage ditch and from culvert beneath the subsoil pile. Silt fencing in place but lots of sediment in front.

Figure 5. Outlet for undisturbed drainage discharging off the permit area.