



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:	COMPLETE
Inspection Date:	Tuesday, September 23, 2014
Start Date/Time:	9/23/2014 8:30:00 AM
End Date/Time:	9/23/2014 12:30:00 PM
Last Inspection:	Wednesday, August 27, 2014

Representatives Present During the Inspection:	
Company	Vicky Miller
OGM	Joe Helfrich

Inspector: Joe Helfrich

Weather: sunny warm 75

InspectionID Report Number: 3988

Accepted by: JHELFRIC
10/29/2014

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:

The purpose of this site visit was to conduct a complete inspection at the SUFCO mine. Five notices of violation were issued at the waste rock site for the following non-compliance issues:
 13148 Failure to convey runoff from the waste rock site to the sediment pond;
 13149 Failure to protect topsoil during construction of the waste rock site;
 13150 Failure to protect topsoil at the #1 topsoil storage site;
 13151 Failure to conduct mining activities only as described in the approved MRP (topsoil removal & stockpiling)
 13153 Failure to conduct mining activities only as described in the approved MRP (waste rock berm)

Inspector's Signature:

Joe Helfrich
Joe Helfrich,

Date Tuesday, October 7, 2014

Inspector ID Number: 1

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 type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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 checked="" 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 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

The permit was renewed effective 5/21/2012 for five years.

2. Signs and Markers

Signs containing the required information were posted at the entrance to the mine site.

3. Topsoil

N13149 was issued at the waste rock site for failure to protect topsoil during the construction of the waste rock site. The violation occurred between the waste rock site and the sediment pond. There was no information in the plan (maps or narrative that described this activity). The abatement requires the submittal of plans to contemporaneously reclaim those areas subject to unnecessary compaction during construction of the waste rock expansion site. Plans are due on October 17th by 5:00 PM and need to be implemented before the NOV can be terminated.

N13150 was issued at the waste rock site for failure to protect topsoil at the #1 top and subsoil storage area (see more detail under 4a). Plans are required to demonstrate that the berm is adequately sized to prevent soil loss. Abatement plans are due on October 17th by 5:00 PM and need to be implemented before the violation can be terminated. Past discussions (personal conversations with Mike Davis & Vicky Miller) regarding the ability of the berm to prevent soil from comingling with undisturbed drainage due to the variability in the depth and width of the berm have resulted in requests by Division staff to demonstrate the adequacy of the berm.

N13151 was issued at the waste rock site for failure to conduct mining activities only as described in the approved MRP. Plans are required to revise the surface facility maps (2v6 & 4v4) to show the boundaries of the .54 acre waste rock expansion area and current size and location of topsoil storage # 2 by 5 :00 PM October 31.

Revisions to the MRP need to be approved before the violation can be terminated.

4.a Hydrologic Balance: Diversions

Portions of the diversion around the # 1 top and subsoil piles at the waste rock site have been eliminated. This will allow subsoil to comeingle with disturbed area drainage from the county road pad. The movement of the soil material compromises the ability of the material to establish vegetation.

N13153 was issued for failure to conduct mining activities only as described in the approved MRP. The abatement requires the submittal of plans for the berm that has been constructed between between ditch # 1 and the north corner of the sediment pond. Plans need to include the following information: A narrative and maps (2v6, 4v4) that include a detailed description and location of the berm including a typical cross section. A demonstration of the type of material that the berm is constructed of . If it is viable growth media it will need to be placed in the topsoil storage area.

Plans are due by 5 :00 PM on October 31. Revisions to the MRP need to be approved and implemented before the violation can be terminated.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The sediment pond at the waste rock site is intended to receive runoff from the waste rock area including the expansion of lift 5. This is supported by the narrative located in Volume 3, Part 2 Page 2-4 & Volume 3, Part3, Page 3-1 of the approved MRP. At the time of this inspection runoff from the waste rock area was being impounded. NOV # 13148 was issued for failure to convey runoff from the waste rock site to the corresponding sediment pond. The abatement requires the submittal of plans that clearly demonstrate that the runoff from the waste rock site will be conveyed to the sediment pond. The plans are due on October 17th by 5:00 PM and need to be implemented before the violation is terminated. The sediment ponds (primary, overflow and waste rock) were inspected on 9/23/14 showing no hazzards or signs of weakness.

4.c Hydrologic Balance: Other Sediment Control Measures

The sediment controls (silt fences) at the waste rock site should be checked by the company to determine if they meet the design criteria associated with the diversions they are placed in.

4.d Hydrologic Balance: Water Monitoring

Water monitoring data (hard copies) was available for review at the mine. DMR's were current through July of 2014.

4.e Hydrologic Balance: Effluent Limitations

There were no discharges from point 001A and no exceedances from points 002A and 003A. Hard CC's of the monitoring data for these points were available and current through 7/14.

7. Coal Mine Waste, Refuse Piles, Impoundments

Approval for the expansion of lift #5 was granted on December 23, 2013. 5 NOVs were issued at the site as a result of this inspection and are described in the text of this document. The refuse pile was inspected 9/18/2014 showing no hazzards or signs of weakness..

14. Subsidence Control

Subsidence monitoring is typically evaluated with the submittal of the annual report. A site evaluation will need to be completed after the company has mined beyond the shelters that were eligible for listing on the National Register. The shelters are located somewhat (one of them) near the barrier pillars or gate roads of the 3R, 2S pannel. The company has indicated (surface tension cracks from previously mined areas) will not extend beyond these areas and in turn not impact the shelters.

19. AVS Check

An AVS check will be completed during the current mid-term review.

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20. Air Quality Permit

The air quality permit is in effect as of May 2006 and renewed 03/30/2011 to include the west lease conveyor. The permit is listed in appendix 4-4 of the MRP.

21. Bonding and Insurance

The bond was reduced during the previous mid-term review to 2,874,000. Insurance is current through 07/31/2015. The subsequent mid-term review is ongoing.