



State of Utah
Department of
Natural Resources

MICHAEL R. STYLER
Executive Director

Division of
Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Representatives Present During the Inspection:	
OGM	Priscilla Burton Environmental Scientist III
Company	Mike Davis

Inspection Report

Permit Number:	C0410002
Inspection Type:	TECHNICAL
Inspection Date:	Thursday, September 03, 2009
Start Date/Time:	9/3/2009 10:00:00 AM
End Date/Time:	9/3/2009 1:30:00 PM
Last Inspection:	Tuesday, August 25, 2009

Inspector: Priscilla Burton, Environmental Scientist III

Weather: sun 75

InspectionID Report Number: 2124

Accepted by:

Permitee: **CANYON FUEL COMPANY LLC**
Operator: **CANYON FUEL COMPANY LLC**
Site: **SUFCA MINE**
Address: **397 S 800 W, SALINA UT 84654**
County: **SEVIER**
Permit Type: **PERMANENT COAL PROGRAM**
Permit Status: **ACTIVE**

Current Acreages

25,292.43	Total Permitted
46.30	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:

Visited the site to view the topography, soils and vegetation associated with the overflow pond amendment. Walked the proposed location and discussed the pending soil survey and construction details. Leland Rogers, Soil Scientist recently hired by Canyon Fuel was also present during the technical site visit.

I took the opportunity to walk the waste rock site on my way down the canyon.

Inspector's Signature:

Priscilla Burton, Environmental Scientist III

Inspector ID Number: 37

Date Thursday, September 03, 2009

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

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 type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input 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

A proposal to construct an overflow sediment pond in Spring Canyon was recently reviewed and returned with deficiencies (Task 3341). A response to deficiencies is dated August 26, 2009 and is being reviewed under Task #3370, due 10/26/2009. During this site visit, I noted the topography, soils and vegetation associated with the overflow pond amendment and took the opportunity to walk the refuse site as well.

3. Topsoil

The proposed location for the overflow pond is in the very narrow drainage below the Spring Canyon mine facilities and the Spring Canyon collection system (Plate 5-2Bv16). In 1981, several deposits of side-cast mine waste were cleaned from the slopes of the drainage at the request of the USFS. A pad was created approximately 12 - 15 ft above the drainage from which to remove the waste. The pad will be a source of topsoil and the likely source of fill for construction of the impoundment. Including the disturbed pad, there appear to be two other soil types in this drainage: the wet soils in the drainage and the dry soils on the slopes. A soil survey will be made of the drainage this month.

The Spring Canyon drainage was flowing at approximately 6 - 10 gpm due to discharge from the pond. The channel is steep at the pond outlet and is armored with boulders and rock. The channel is only 1 - 2 ft wide. The channel sediments are noticeably black with coal fines (an artifact from pre-SMCRA activity). There is a very narrow band of riparian vegetation on either side of channel. The channel is sinuous even within the narrow confines of the side slopes.

The side slope vegetation included alpine current, scrub oak, oregon grape, Indian rice grass. The channel vegetation included tall willows (about 10 ft), sedges, and rushes.

The small topsoil pile at the toe of the mine site sediment pond was vegetated with crested wheatgrass. The pile was signed. The slopes were stable.

There are four stockpiles of soil at the waste rock site. One large topsoil/subsoil stockpile is adjacent to the active waste rock cell and appears to contain soil cleared from the area recently. The stockpile has been signed but has not been seeded. There is a circular topsoil stockpile below the waste rock site that is well vegetated and fenced. Below the refuse site, there is a topsoil stockpile and subsoil stockpile from sediment pond construction. Both are well vegetated.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The mine site sediment pond was very full, within a couple of inches from the elevation of the emergency spillway. The inlet to the pond appeared to be providing an equivalent amount of flow as the discharge.

4.d Hydrologic Balance: Water Monitoring

Water exiting the mine pond was clear and flowing at about 10 gpm. There were no suspended solids in the water being discharged..

7. Coal Mine Waste, Refuse Piles, Impoundments

The refuse pile has been contemporaneously reclaimed (see Map 2, Waste Rock Site Volume). Lifts #1 through #3 have been reclaimed (Map 4) and are well vegetated with saltbush, sagebrush, rabbitbrush, and grasses. There was not a single erosion rill on the reclaimed pile. The pile slopes are broken by narrow terraces and berms. The active cell has been partially covered with subsoil from the toe to mid-slope. The 2008 Annual Report provides analysis of waste rock sampled during each quarter. The waste rock has high SAR values and has elevated Boron levels. pH hovers around neutral.