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Outgoing
041002
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From: Priscilla Burton
To: Mike Davis; OGMCOAL
CC: Abate, April; Darby, David; Haddock, Daron; Helfrich, Joe; Smith, Ji...
Date: 12/9/2009 11:03 AM
Subject: SUFCO 041002 Outgoing Insp Rpt 2210
Place: OGMCOAL
Attachments: SUFCO midterm insp rept 2210 20091209124730.pdf

Hello Mike,

Attached please find the midterm inspection report for our site visit in November 2009.

Priscilla Burton, CPSSc
Division Oil Gas & Mining
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Price UT 84501
(435) 613-3733



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

Table listing OGM staff members: April Abate, Dave Darby, Jim Smith, Ingrid Wieser, Priscilla Burton, Pete Hess, and Mike Davis.

Inspection Report

Table with inspection details: Permit Number: C0410002, Inspection Type: COURTESY, Inspection Date: Thursday, November 19, 2009, Start Date/Time: 11/19/2009 10:00:00 AM, End Date/Time: 11/19/2009 3:30:00 PM, Last Inspection: Tuesday, November 17, 2009.

Inspector: Priscilla Burton, Environmental Scientist III

Weather: sun 45 F

InspectionID Report Number: 2210

Accepted by: jhelfric

12/7/2009

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

Current Acreages

Table showing acreage: 25,292.43 Total Permitted, 48.43 Total Disturbed, and Phase I, II, III.

Mineral Ownership

- Checked: Federal, State
Unchecked: County, Fee, Other

Types of Operations

- Checked: Underground
Unchecked: Surface, Loadout, Processing, Reprocessing

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

Midterm inspection of the site to introduce new Division staff to the site and provide an opportunity to discuss pending applications, construction and reclamation work. Kevin Lundmark from DOGM. Mike Davis, Leland Roberts and Mark Bunnell from Canyon Fuel were also present.

Inspector's Signature: Priscilla Burton

Date Wednesday, November 25, 2009

Priscilla Burton, Environmental Scientist III
Inspector ID Number: 37

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 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

The 5 year mining plan update was approved by the Division on 10/28/2009. The mining plan requires a federal lease modification for U-63214 (in process). SUFCO staff discussed the proposed Mud Spring Hollow Cyn exploration drilling and the 3rd West lease boundary modification. A bid has been awarded to Nelco Contracting for the construction of the Overflow Pond, approved 10/12/2009.

3. Topsoil

Robert Long evaluated the soils of the proposed overflow pond in September 2009. A report is pending. Vegetation growing on substitute topsoil on the slope above the parking lot provided good cover and erosion control. Fenced topsoil at the waste rock site was well vegetated as were the unfenced subsoil piles. The Link Cyn topsoil stockpile is sparsely vegetated, likely due to the steep slopes of the stockpile at the angle of repose.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The secondary sediment pond is not under constructed as of the date of the inspection. The project has been awarded, but the Permittee has decided to wait until spring such that frost conditions do not effect soil compaction for the impounding embankment. The pond construction site was visited during today's inspection.

4.d Hydrologic Balance: Water Monitoring

SUFCO is planning to relocate the UPDES outfall point from the outfall of the primary pond to the outfall of the secondary sediment pond. The petition to change the location for the outfall is currently in a comment period with the Dept. of Water Quality. On a separate note, SUFCO plans to submit an amendment to drill up to three additional wells in order to mitigate the water loss that occurred in North Water Canyon due to subsidence. Well water will be pumped to the cattle troughs to replace any lost water to livestock populations.

7. Coal Mine Waste, Refuse Piles, Impoundments

The waste rock site located to the west of convulsion canyon was evaluated. Map 4 of Volume 3, illustrates the status of reclaimed, active and topsoil salvage areas at the refuse site as of August 2005. Map 4 shows the first three cells reclaimed. Cell #3 of the waste rock site was seeded in November 1998 (email from Mike Davis 11/19/2009). Bond release has not been applied for on the reclaimed cells. Cell #4 was started in 1998 and completed in the fall of 2009. (The mine hauls between 3-10,000 cubic yds per year of material to the waste rock pile.) Quarterly sampling of the waste was reported in the 2008 Annual Report App. B. The waste has high SAR and Boron values. Cell #4 has been topsoiled and gouged and is scheduled to be seeded this fall (see photographs in image folder 11182009). Vol. 3, Section 3.2.4 specifies a thirty inch cover depth over the waste rock site which was confirmed for cell #4 during this inspection. Cell #4 roughening was done in a very satisfactory manner. There is a final remaining cell.

8. Noncoal Waste

A new concrete retaining wall has been constructed in the non-coal waste temporary storage facility. This wall is a replacement wall, hence, an adjustment to the demolition costs for this structure is not necessary.

11. Contemporaneous Reclamation

Lower Link Cyn substation pad was reclaimed several years ago. Vegetation was well established on this steep slope above the Link Cyn road. The South portals were reclaimed 2 yrs ago were discussed, but not observed.

16.a Roads: Construction, Maintenance, Surfacing

Emery County has completed the design review on the road proposed by Canyon Fuel to bypass I-70 in order to access Convulsion Canyon.

16.b Roads: Drainage Controls

The undisturbed drainage channel near the south portal in Link Canyon was adequately protected by silt fencing at the road boundary. However, there were select areas along the road up to the electric substation and the south portal where silt fencing required some additional maintenance.

18. Support Facilities, Utility Installations

An electric substation is located in Link Canyon on the site of the former tipple location (AML site).

21. Bonding and Insurance

The bond amount was re-calculated during the permit amendment review for the secondary sediment pond; CFC has sufficient bond in place, as escalated to 2014.

22. Other

Mining in the Pines section is progressing approximately 900' below ground surface (bgs). Mining is also occurring in the SITLA Muddy and Quitchupah Lease, see Plate 5-11 for overburden isopach. Future plans for exploration activities include exploration of the west leases to be accessed from Spring Hollow canyon.