



State of Utah

Department of Natural Resources

MICHAEL R. STYLER
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Division of Oil, Gas & Mining

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Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Table with 2 columns: Representative, Name, Title. Includes Priscilla Burton, Vicky S. Miller, and Layne D. Jensen.

Inspection Report

Table with 2 columns: Field, Value. Includes Permit Number: C0070039, Inspection Type: TECHNICAL, etc.

Inspector: Priscilla Burton, Environmental Scientist III

Weather: sun 80 F

InspectionID Report Number: 711

Accepted by: whedberg
9/2/2005

Permittee: CANYON FUEL COMPANY LLC
Operator: CANYON FUEL COMPANY LLC
Site: DUGOUT CANYON MINE
Address: PO BOX 1029, WELLINGTON UT 84542
County: CARBON
Permit Type: PERMANENT COAL PROGRAM
Permit Status: ACTIVE

Current Acreages

Table with 2 columns: Value, Description. Includes Total Permitted (7,083.71), Total Disturbed (51.11), and Phases I, II, III.

Mineral Ownership

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

Technical site visit by the Task 2156 review team: Dave Darby, Jerriann Ernsten, Wayne Western; as well as Randy Harden, Steve Christiansen, Pam Grubaugh-Littig, and Wayne Hedberg. Proposal for Dugout refuse storage site expansion was compared with existing approved plans. Recommendations for designing the site to comply with Approximate Original Contour requirements (see definition in R645 Rules) were discussed with Permittee and Consultant. Permittee will receive list of deficiencies and respond with revised plans.

Inspector's Signature

Date Thursday, September 01, 2005

Priscilla Burton, Environmental Scientist III

Inspector ID Number: 37

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 type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 site was designed for final storage of 70,000 Tons of waste on 5.6 acres. In December 2004, an emergency authorization by Mary Ann Wright allowed additional storage of an additional 170,000 Tons of waste within the original footprint of the designed pile. Another emergency request dated 8/24/2005 states that to date 120,300 Tons of refuse have been hauled and compacted onto the refuse storage area. The Permittee's letter of August 24 indicates that the Permittee understands the emergency authorization in December to have allowed an additional 170,000 tons in addition to the existing waste stockpiled on the site at the time of the request (43,987 Tons on August 12, 2004, according to the 2004 Annual Report). The Permittee is operating with the understanding that the Division has authorized a maximum of 211,865 Tons within the currently approved footprint of the stockpile. The Division provided administrative approval for this additional refuse/coal haulage to the site by letter on 8/30/2005. In summation, by previous administrative approvals, the waste rock site is now approved for handling and disposal of 221,865 Tons of waste that may include up to 50,000 Tons of coal within a 5.6 acre footprint. On the date of this field visit, no coal had been hauled to the site and the height of the pile was estimated at 15 ft above the ridge line which is shown at the point of measurement on cross-section I-I' of Plate 5-2 as 5,937 ft.

7. Coal Mine Waste, Refuse Piles, Impoundments

Plans for refuse site were evaluated. Major revisions to the reclamation design were discussed. These changes included undulating side slopes with corresponding sinuous, ephemeral drainage; overall concavity to the slopes; and directing sheet flow in four directions off the plateau by creating an irregular (not smooth) plateau surface.

13. Revegetation

Concerns about excessive erosion by wind and water off the reclaimed slopes were alleviated by changes proposed in final reclamation design.

Permittee will provide for four feet of cover, but continue with plans to demonstrate lessor cover is required. Revegetation test plots will be established on the existing refuse pile outslope facing south, west, and north. The current elevation of the refuse was estimated to be 15 ft above the undisturbed ridge which is shown on RA Plate 5-1 to be 5,915 ft. An anemometer will be installed on an adjacent landform at the approximate final elevation of the refuse plateau (5,995 ft).