



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

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Governor

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Lieutenant Governor

Table with 2 columns: Representative Name, Title. Includes Jerriann Ernstsens and Dennis Ware.

Inspection Report

Table with 2 columns: Field Name, Value. Includes Permit Number, Inspection Type, Date, Time, and Last Inspection.

Inspector: Jerriann Ernstsens, Environmental Scientist II

Weather: Sunny; 90s

InspectionID Report Number: 661

Accepted by: pgrubaug
7/15/2005

Permittee: CASTLE GATE HOLDING CO
Operator: CASTLE GATE HOLDING CO
Site: CASTLE GATE MINE
Address: PO BOX 30, HELPER UT 84526-0030
County: CARBON
Permit Type: PERMANENT COAL PROGRAM
Permit Status: ACTIVE

Current Acreages

Table with 2 columns: Acreage, Category. Includes Total Permitted, Total Disturbed, and Phases I, II, III.

Mineral Ownership

- Checkboxes for Federal, State, County, Fee, Other.

Types of Operations

- Checkboxes for 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 of the Castle Gate facilities. The Adit, Hardscrabble, and Sowbelly roads were accessible. Site inspection included the Adit, Sowbelly, and Hardscrabble.

No compliance issues were noted.

Inspector's Signature

Date Monday, July 11, 2005

Jerriann Ernstsens, Environmental Scientist II
Inspector ID Number: 52

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 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 type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

The permit was renewed December 24, 2004 and is current through December 2009.

2. Signs and Markers

Signs containing the required information were posted at access points to the reclaimed area at the Adit and Hardscrabble. Did not look for signs at Sowbelly.

4.a Hydrologic Balance: Diversions

Adit: Channel was flowing (~1 gal/min) less than 5/26/05.

Hardscrabble: No channels were flowing or appeared wet at the surface.

Sowbelly: No channels were flowing or appeared wet at the surface.

4.c Hydrologic Balance: Other Sediment Control Measures

Adit: There is a "heavy", white sediment depositing along the channel. The water flows out of two pipes on the southern side of the drainage. There is ample algae growth along the channel, especially near the pipes. A Division hydrologist will evaluate the sediment in August.

4.d Hydrologic Balance: Water Monitoring

Castle Gate monitors every quarter. Reports are due at the end of the following quarter. There have been no changes since the first quarter's report. The second quarter's monitoring data is due by the end of June 30 and the report is due by Sept. 30.

8. Noncoal Waste

No signs of significant noncoal waste at Adit, Hardscrabble, or Sowbelly.

9. Protection of Fish, Wildlife and Related Environmental Issues

No significant signs of current big game presence at Adit, Hardscrabble, or Sowbelly.

10. Slides and Other Damage

No signs of noticeable slides or sloughing at Adit, Hardscrabble, or Sowbelly.

13. Revegetation

Adit: A few four-wing plants appeared dead in May. With the late spring budding of the four-wing, there were not as many dead individuals in June as previously noted. The significant crop of cheatgrass growing on the northern slope - southern exposure above the reclamation site was in seed. The Permittee may want to keep an eye on the spread of cheatgrass to the reclaimed site. Because the revegetation efforts were so successful, the likelihood cheatgrass invading this site is minimal, at this time. Did not formally note plant species on this visit.

Hardscrabble: The vegetation of the areas approaching Phase III bond release site was good. The small area (substation) approaching Phase I bond release had high diversity, numbers, and growth. Many of the species seeded were expressed. Did not formally note plant species on this visit.

Sowbelly: Vegetation at the lower site was fair-good. The Permittee mentioned that they had begun their weed control program for the year, which includes selective spraying. This inspection did not include a visit to the upper portion of the site, but during the last inspection the vegetation was diverse and fairly lush. The steep slopes, however, were still only marginally covered. The vegetation at Sowbelly included winterfat, four wing, sage, snakeweed, elderberry, penstemon, phlox, sweetvetch, yarrow, golden eye, dock, Palmer penstemon, American vetch, Great Basin wildrye, blue bunch w.g., foxtail barley, thickspike w.g., western w.g., and cheatgrass (marginal).

16.b Roads: Drainage Controls

No significant issues at the Adit, Hardscrabble, or Sowbelly.

21. Bonding and Insurance

The surety bond (#104329369) is currently set at 680,154.00 and Certification of Insurance is in effect until all of the Permittee's reclamation obligations have been met...under the rules of SMCRA.