



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 Jerriann Ernstsens Environmental Scientist II

Inspection Report

Table with 2 columns: Field (Permit Number, Inspection Type, etc.) and Value (C0070004, PARTIAL, etc.)

Inspector: Jerriann Ernstsens, Environmental Scientist II

Weather: sunny, 70's

InspectionID Report Number: 619

Accepted by: pgrubaug
6/13/2005

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: Value and Category (Total Permitted, Total Disturbed, Phase I, Phase II, Phase III)

Mineral Ownership

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

Types of Operations

- Checked: Underground, Loadout, Processing
Unchecked: Surface, 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 partial inspection of the Castle Gate facilities. The Adit, Hardscrabble, and Sowbelly roads were accessible. Gates for Sowbelly and Hardscrabble were closed. Site inspection, therefore, included the Adit and Sowbelly, but not Hardscrabble.

No compliance issues were noted.

Inspector's Signature

Date

Tuesday, May 31, 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 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 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 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 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 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 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"/>

2. Signs and Markers

Sowbell, Hardscrabble, and Adit: Signs containing the required information were posted at access points to the reclaimed area.

Sowbelly: Sign indicating reclamation had fallen from the 4x4 post.

4.a Hydrologic Balance: Diversions

Adit: Channel was flowing (~1- 2 gal/min) less than 4/27/05. South and north facing slopes were dry.

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. The Permittee was not present for me to inquire about the sediment.

10. Slides and Other Damage

Adit: There were two "sink holes" that were increasing in size over the winter. The holes were apparently regraded, but the Permittee was not on site to confirm the work.

Sowbelly: There was no observable slides or surface damage.

13. Revegetation

Adit: There are a few four-wing plants that are dead and there is a significant crop of cheatgrass growing on the northern slope, southern exposure above the reclamation site. The Permittee may want to keep an eye on the rate of death of the four-wing species (since it is the primary shrub at this time) and the probable spread of cheatgrass to the reclaimed site.

Sowbelly: Vegetation at the lower site is fair. The lower site has a moderate concentration of a type of tumbleweed, especially along the road.

Vegetation is diverse and fairly lush at the upper portion of the site (well past the end of the road). The steep slopes, however, are still only marginally covered. The vegetation at Sowbelly included four wing, sage, snakeweed, elderberry, penstemon, phlox, sweetvetch, Great Basin wildrye, and other grass species - including little cheatgrass.