



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

Permit Number:	C0070004
Inspection Type:	COMPLETE
Inspection Date:	Thursday, September 21, 2006
Start Date/Time:	9/21/2006 11:00:00 AM
End Date/Time:	9/21/2006 1:00:00 PM
Last Inspection:	Thursday, September 14, 2006

Inspector: Jerriann Ernstsens, Environmental Scientist II

Weather: 75 degree, sunny

InspectionID Report Number: 1094

Accepted by: pgrubaug
10/26/2006

Permitee: **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: **RECLAIMED**

Current Acreages

7,619.00	Total Permitted
63.00	Total Disturbed
29.20	Phase I
18.20	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:

The purpose of this site visit was to conduct a complete inspection of the Castle Gate facilities. DOGM evaluated the Adit, Hardscrabble and Sowbelly reclaimed sites.

Inspector's Signature:

Jerriann Ernstsens, Environmental Scientist II

Inspector ID Number: 52

Date

Monday, October 02, 2006

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 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 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 checked="" type="checkbox"/>	<input 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 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, Hardscrabble, and Sowbelly.

4.a Hydrologic Balance: Diversions

Adit: Flow was approx 1/2 to 1 gal/min. Culvert entrance was clear of all debris. There are no signs that the salt build up along the channel has impacted the vegetation.

Hardscrabble: No channels were flowing and the surface was dry.

Sowbelly: No channels were flowing and the surface was dry.

4.c Hydrologic Balance: Other Sediment Control Measures

Surface roughening, vegetation, and diversions are the sediment controls for the reclaimed areas.

Adit: Fabric along the channel helps control erosion. The fabric is still in good condition. Gouges are settling at the Adit.

Hardscrabble: Gouges in the areas reclaimed and last augmented in 1995 are settling.

Sowbelly: Gouges in the areas reclaimed and last augmented in 1995 are settling.

4.d Hydrologic Balance: Water Monitoring

2nd Q Apr-Jun (report due Sept 30) data has been submitted to the data base. Flows for Hardscrabble (B11 & B12) were zero and for Sowbelly (B28 & B45) were zero.

There were no signs of recent flow in either Hardsrabble or Sowbelly.

8. Noncoal Waste

Adit: Highway litter was moderate, but increasing from last visit. The Permittee should maintain the site, so others aren't so easily let to follow suit.

Hardscrabble/Sowbelly: no significant noncoal waste.

9. Protection of Fish, Wildlife and Related Environmental Issues

Adit: no significant observations.

Hardsrabble: no significant observations.

Sowbelly: scat, possibly bob cat; rock wrens.

10. Slides and Other Damage

No significant concerns.

13. Revegetation

Many of the plants are changing color, or last of summer flowering/seeding at all three sites.

16.a Roads: Construction, Maintenance, Surfacing

Adit: pull off was accessible.

Hard/Sow: All dirt roads were dry and passable. However, the county road to Sowbelly is becoming very rough. This road has one location that could be very hazardous because there is a large hole with a stick sticking up about 2' and rocks circling the hole. This winter or in the dark, I think someone could get hurt.

16.b Roads: Drainage Controls

No observable concerns.

22. Other

The chain and lock are still missing at Hardscrabble. There are signs of traffic increase to the site. The turn around point is becoming more obvious. The vegetation in/near the turn around point are being trampled down. There are no signs that 4-wheelers are attempting to travel in the reclaimed area.