



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 with 2 columns: Role, Name. Row 1: OGM, Jerriann Ernstsens Environmental Scientist II. Row 2: Company, Dennis Ware Controller.

Inspection Report

Table with 2 columns: Field, Value. Fields include Permit Number (C0070004), Inspection Type (COMPLETE), Inspection Date (Wednesday, June 28, 2006), Start Date/Time (6/28/2006 10:30:00 AM), End Date/Time (6/28/2006 2:30:00 AM), Last Inspection (Monday, June 12, 2006).

Inspector: Jerriann Ernstsens, Environmental Scientist II

Weather: sunny, 95 degrees

InspectionID Report Number: 997

Accepted by: pgrubaug
7/11/2006

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

Table with 2 columns: Value, Category. Rows: 7,619.00 Total Permitted, 63.00 Total Disturbed, 29.20 Phase I, 18.20 Phase II, Phase III.

Mineral Ownership

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

Types of Operations

- Checked: Underground, Surface, Loadout. Unchecked: 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:

Date Thursday, June 29, 2006

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 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 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, Hardscrabble, and Sowbelly.

**4.a Hydrologic Balance: Diversions**

Adit: Flow was approx 1/2 to 1 gal/min. 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 significant algae growth along the entire channel, especially near the pipes.

Jerriann and Dennis discussed, while in the office, the question of why this channel is not monitored. Dennis mentioned that Johnny Pappas stated that the channel did not need to be monitored and that the justification was provided in the MRP. Dennis agreed to find the passage in the MRP and let Jerriann know the citation before Steve Fluke and Jerriann conduct a joint inspection in the fall 2006.

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.

#### **4.d Hydrologic Balance: Water Monitoring**

Current with water monitoring requirements and data base submittals.

Hardscrabble: Jerriann visited the water monitoring locations in Hardscrabble Canyon. The water monitoring points are at the gate (B11; no marker) and at the end of the reclaimed portion of the permit area. This monitoring point (B12) is west of the reclaimed (2002) substation. Standing at this site and looking north, the substation site is to the right (east) and there is a sign located at the base of the western slope of the channel. This sign has very sun-bleached text, but indicates the water monitoring location of B12.

Sowbelly: Jerriann joined Dennis to conduct water monitoring in Sowbelly Canyon. The water monitoring points are at the gate (B45; no marker) and at the end of the reclaimed portion of the permit area. This monitoring point (B28) is in the left hand fork of the canyon and is designated by a piece of mostly buried wood (~ 3' long x 2" above the surface) and 4 roof bolts (~ 2' high). Standing at this site and looking north, the view is to the left fork ("ravine-like") and an unnatural, vegetated mound (~ 8' high x 150' diameter) possibly a left over topsoil pile.

#### **8. Noncoal Waste**

No significant concern at Adit, Hardscrabble, or Sowbelly.

#### **9. Protection of Fish, Wildlife and Related Environmental Issues**

Songbirds were the only wildlife present. Not sure where they fly to a water source, possibly over the mountain range to the Price River.

Hardscrabble: The road to the end of the reclaimed area (substation) is moderately-highly covered with primarily alfalfa. The road above (north) the substation is very highly covered with alfalfa. These patches are a great source of food for winter grazing. The reclaimed area does not seem to have significant patches of this non-native species.

#### **10. Slides and Other Damage**

No significant concerns at any of the three sites.

Hardscrabble: Summer plant growth has covered some of the sky-view, which will help erosion from additional rain drops.

### **13. Revegetation**

No significant change from previous growth seasons.

Jerriann and Dennis discussed the reference areas for the Adit, Hardscrabble, and Sowbelly. Dennis did not know where the reference area is for the Adit. Dennis agreed to either find a reference in the MRP or to provide an amendment that will include this needed information prior to the year 4 vegetation survey (summer 2007). (Vol. Adit)

Dennis had determined that the reference area is the same for Sowbelly and Hardscrabble (Stand alone volume: Bond Release PII, January 23 2003, App. I Vegetation Survey, p. 2). Dennis agreed to either find a similar reference in the MRP or to provide an amendment that will include this information. Dennis will make sure this information will be easily located in Vol. 3 (Hardscrabble) and Vol. 1-2 (Sowbelly). This area is in Sowbelly Canyon below the gate and the abandoned mining structure.

### **16.a Roads: Construction, Maintenance, Surfacing**

All dirt roads were dry and passable.

### **16.b Roads: Drainage Controls**

No observable concerns.

### **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 R645.