



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Inspection Report

Permit Number:	C0070004
Inspection Type:	BOND RELEASE
Inspection Date:	Thursday, May 29, 2014
Start Date/Time:	5/29/2014 8:00:00 AM
End Date/Time:	6/29/2014 12:00:00 PM
Last Inspection:	

Representatives Present During the Inspection:	
OGM	Amanda Daniels
OGM	Steve Christensen
OGM	James Owen
OGM	Joe Helfrich
OGM	Daron Haddock
Company	Dennis Ware

Inspector: James Owen

Weather: Clear, sunny, warm

InspectionID Report Number: 3863

Accepted by:

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: **RECLAIMED**

Current Acreages

7,619.00	Total Permitted
5.56	Total Disturbed
62.42	Phase I
58.10	Phase II
57.44	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:

This was a Phase II and III bond release inspection. The permit currently consists of various separate areas of disturbed and reclaimed land including: the Hardscrabble Canyon Substation (0.72 acres); the Sowbelly Gulch Substation (1.84 acres); and the Price Canyon Adit No.1 (3.0 acres). Additional attendees included Dan Mackinnon OSM, and a representative of the Blackhawk Coal Company.

Inspector's Signature:

James Owen,
Inspector ID Number: 62

Date Wednesday, June 04, 2014



Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining. telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov

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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

Approval for Phase III Bond Release would allow the permittee to full remove the bond for the C/007/0004 permit.

2. Signs and Markers

All signs and markers for the permit and disturbed areas were removed at the completion of the phase III release inspection.

4.a Hydrologic Balance: Diversions

Reclaimed channels appeared stable, without any uncontrolled erosion observed.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

There are no ponds remaining on the reclaimed areas.

4.d Hydrologic Balance: Water Monitoring

The permittee monitors two stream locations in Hardscrabble Canyon and two stream locations in Sowbelly Gulch. The four stream monitoring locations have been monitored quarterly for many years and have reported no flow for almost every quarter for each monitoring location.

4.e Hydrologic Balance: Effluent Limitations

The Castle Gate mine doesn't have any active UPDES outfalls.

8. Noncoal Waste

There were no noncoal waste issues identified during the inspection

10. Slides and Other Damage

There were no slides or other forms of damage observed during the inspection.

12. Backfilling And Grading

The reclaimed sites have adequately achieved approximate original contour (AOC). A few small cuts were left in place due to the fact that they were cut too steep to be fully covered, however, the cuts are minimal and achieve the stability requirements of R645-301-553.530, and meet the approximate original contour criteria of R645-301-553.520.

All backfilling, soil stabilization, compacting and grading, are as expected according to the MRP's anticipated final surface configuration of the permit area.

13. Revegetation

The site visit included the sub stations at the Hardscrabble and Sowbelly reclaimed areas. These two postage stamp areas were reclaimed several years after the main mine areas which in turn extended their liability period for phase III bond release to 2014. The permittee had sampled the vegetation in these and the reference areas during 2012 and 2013 demonstrating that the vegetation in the reclaimed areas either met or exceeded that of the reference area in terms of species composition percent cover and woody species density. Both sites are stable, well vegetated, (seed mix species are evident on site) and show little or no signs of erosion. The review of the application will include a more in depth review of the vegetation data.

21. Bonding and Insurance

The current reclamation bond amount for the Castle Gate Mine (C/007/0004) is \$226,600. Castle Gate Holding Company is requesting complete and final Phase III bond release, therefore, the full amount of the bond or \$226,600 is requested to be released upon approval of this bond release application.