

**From:** Ingrid Campbell  
**To:** Dennis (WC) 0475 Ware; OGMCOAL  
**Date:** 6/27/2012 8:40 AM  
**Subject:** Re: Castlegate Inspection Report  
**Attachments:** Castlegate6112012.pdf

Attached is the Midterm Review inspection report for Castlegate on June 11, 2012.

Thank you!

Ingrid Campbell  
Environmental Scientist III  
Coal Regulatory Program  
Division of Oil Gas & Mining  
1594 W North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, UT 84114-5801  
801-538-5318  
[Ingridcampbell@utah.gov](mailto:Ingridcampbell@utah.gov)



# 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:	PARTIAL
Inspection Date:	Monday, June 11, 2012
Start Date/Time:	6/11/2012 11:30:00 AM
End Date/Time:	6/11/2012 2:00:00 PM
Last Inspection:	Wednesday, May 23, 2012

Inspector: Ingrid Campbell

Weather: Sunny 70s

InspectionID Report Number: 3126

Accepted by: jhelfric

6/20/2012

Representatives Present During the Inspection:	
OGM	Priscilla Burton
Company	Dennis Ware
OGM	Ingrid Campbell

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	<b>Total Permitted</b>
62.42	<b>Total Disturbed</b>
62.42	<b>Phase I</b>
58.10	<b>Phase II</b>
	<b>Phase III</b>

### 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:

Dennis Ware, Priscilla Burton and Ingrid Campbell inspected the reclaimed adit #1, Hardscrabble Canyon and Sowbelly Canyon. Adit #1 was reclaimed in 2002 and has received phase I bond release from the Division. Earthwork at the Hardscrabble site was completed during the years 1984, 1985, and 1993 through 1999. Phase I bond release was approved for Goose Island (8.79 acres) in 1985. Phase I bond release was approved for Hardscrabble No. 3 and No. 4 Mine areas (27.7 acres) on February 14, 2001. Phase II bond release for most of the Hardscrabble No. 3 and No.4 Mine areas (36.5 acres) and for Sowbelly of the Castle Gate Mine was approved in November 2002. Phase I Bond release for the substation areas of Hardscrabble and Sowbelly (reclaimed in 2002) was granted in 2005.

Inspector's Signature:

Ingrid Campbell,

Inspector ID Number: 64

Date

Tuesday, June 12, 2012



**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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## **7. Coal Mine Waste, Refuse Piles, Impoundments**

Goose Island refuse pile vegetation is well established and no signs of erosion were not on the slope of the pile.

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

Only occasional use by wildlife, due to lack of water.

## **12. Backfilling And Grading**

All sites had stable ephemeral channels with well established vegetation and rocks contributing to stability.

## **13. Revegetation**

The vegetation was well established on all sites and meeting or exceeding the success standards of the reference area (reports located in annual report). Phase III bond release for adit and hardscrabble canyon will be applied for either late fall 2012 or 2013. Adit #1 vegetation consisted of a variety of desirable grasses, shrubs and forbs including blue flax, fourwing saltbush, yellow sweetclover, Great basin wildrye, foxtail barley, pestamon, and mountain sagebrush. There were a few decadant shrubs most likely due to the extremely low precipitation levels this spring. Some halogeton was present but desierable species were far more prevalent and thriving. Vegetation in hardscrabble canyon consisted of desirable forbs, grasses and shrubs including Aster, blue flax, penstamon, mountain sagebrush, lousiana sagewort, serviceberry, great basin wildrye, yellow sweetclover, mountain mahogany and chokecherry. The reseeded substation area contained less grasses and forbs than other areas and had adequate woody species density.

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

A road remains in Hardscrabble to support the post mining land use of grazing and recreation. A road was not retained in Sowbelly Canyon. However, the ephemeral channel is being used as an ATV trail. The site gets heavy use by recreational ATV riders.

## **22. Other**

All sites are stable with good cover. Access to Hardscrabble is through a locked gate. Access to Sowbelly used to be through a locked gate, but the site is so popular for ATV users, that the gate was constantly vandalized. The gate is now left open and that situation appears to be working better for the Permittee.







































