



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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INSPECTION REPORT

Partial: X Complete: Exploration:

Inspection Date & Time: August 20, 1999, 1:30 to 4:00 PM

Date of Last Inspection: July 2, 1999

Mine Name: Castle Gate County: Carbon Permit Number: ACT/007/004 #5
Permittee and/or Operator's Name: Castle Gate Holding Company
Business Address: 847 Northwest Highway 191, Helper, Utah 84526
Type of Mining Activity: Underground X Surface Prep. Plant Other
State Officials(s): Paul Baker, Sharon Falvey, Pam Grubaugh-Littig, Susan White, Randy Harden, Wayne Western, Priscilla Burton, Tiffini Moss, and some from AML and other Division programs.
Company Official(s): Johnny Pappas
Federal Official(s): None
Weather Conditions: Partly cloudy, 80's
Existing Acreage: Permitted- 7509.5 Disturbed- 63 Regraded- 60 Seeded- 60 Bonded- 63
Increased/Decreased: Permitted- 0 Disturbed- 0 Regraded- 0 Seeded- 0 Bonded- 0
Status: Exploration/ Active/ Inactive/ Temporary Cessation/ Bond Forfeiture
Reclamation (X Phase I/ Phase II/ Final Bond Release/ Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

- Substantiate the elements on this inspection by checking the appropriate performance standard.
 - For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
 - For partial inspections check only the elements evaluated.
- Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
- Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
- Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. 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 type="checkbox"/>	<input 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 VALUES	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 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. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" 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 (4th Quarter-April, May, June)_(date)	<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 & INSURANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/004

DATE OF INSPECTION: August 20, 1999

(Comments are Numbered to Correspond with Topics Listed Above)

1. Permits, Change, Transfer, Renewal, Sale

On July 20, 1999, the Division approved amendment ACT/007/004-LF99A pending submittal of five copies of this amendment. This amendment shows changes to the permittee's officers and directors. The copies were to have been submitted by August 2, 1999.

4. Hydrologic Balance

a. Diversions

Previous inspection reports have commented on the possible need for additional reclamation work on HCRD-10 and the main channel through the Goose Island area. Although I drafted a Division Order that would have required the operator to submit plans showing how this would be taken care of, it seems to be the consensus of others in the Division to pursue a less drastic solution to the problems. Channel HCRD-10 is clearly more elevated than it should be, and there is erosion on the sides of the main channel that might be fixed with properly sized and placed angular rock. We will continue to discuss possible solutions to the problem.

12. Backfilling and Grading

On July 13, 1999, Mr. Pappas and Division Engineer Wayne Western visited Hardscrabble Canyon to determine whether additional work would be required on the upper ledge near the gate. Mr. Western's memorandum based on this visit says:

R645-301-553.130 and R645-301-553.140 require the Permittee to have all reclaimed slopes have a minimum static safety factor of 1.3, prevent slides and minimize erosion. The Division does not do the geotechnical work to determine the slope's safety factor. The Division relies upon the Permittee to submit the data for verification.

The Division is concerned about the cracks and minor slides, those features suggest that the slope is unstable. The Division will not approve Phase I bond release unless the slopes are stable.

A letter dated August 13, 1999, from the Division to the operator says:

Since obtaining stable slopes is a requirement for phase I bond release it is suggested that additional work be done in this area to ensure that the backfilling and grading requirements have been completely met. Reclaimed slopes must have erosion minimized and must maintain a minimum static safety factor of 1.3.

As a result of this letter, I understand the operator will soon be working to regrade the areas in question.

Copy of this Report:

Mailed to: James Fulton (OSM), Johnny Pappas (Castle Gate)

Given to: Pamela Grubaugh-Littig (DOGM)

Inspector's Signature:  Paul B. Baker #41 Date: October 1, 1999