



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

September 16, 1988

TO: Susan Linner, Permit Supervisor

FROM: Lynn Kunzler, Reclamation Biologist *Lyn K.*

RE: Review of the Mid Permit Term Review Received April 28, 1988 for Castlegate Coal Company, Castlegate Mines, ACT/007/004, Folder #2, Carbon County, Utah.

Summary:

The above referenced plan has been reviewed for completeness and adequacy of responses to issues raised in my January 28, 1988 review. Many of the previous issues have been adequately addressed, however, the following issues remain to be resolved. While some of these comments refer to minor issues, the comments regarding maps and the revegetation schedule are considered major concerns and should be included as conditions to the mid permit term review approval.

Analysis:

UMC 783.19 Vegetation Information - LK

Productivity data (i.e., a report from the Soil Conservation Service) for the Barn Canyon Grass-Sage reference area needs to be provided.

Page 8 references vegetation maps with scales of 1"=1000ft. (permit area), 1"=400ft. (Hardscrabble & Sowbelly Canyons, Crandall Canyon, and Castle Gate Prep Plant disturbed areas) and 1"=100ft. (Crandall Canyon Leach Field). These maps were originally prepared by Mariah Associates and with the exception of the 1"=100ft map (which is only of the leach field area in Crandall Canyon) must be inserted in the MRP. (please note, page 20 of chapter 9 (Section 3.1) notes that larger scale maps are available). The map (9-1) in the plan (scale 1"=2000ft.) is not adequate.

Page 2
ACT/007/004
September 16, 1988

The previous review noted that Chapter 9 was difficult to follow due to several references regarding the Eastern Reserves that were retained by the parent company. With exception of the discussions relating to reference areas for the Eastern Reserves (i.e. Dry Canyon, Willow Creek etc.) This section is acceptable.

UMC 783.22 Land Use Information - LK

Chapter 4, Land Use, Land Status and Post-mining Land Use, does not contain information regarding type(s) of past mining, extent of mining, seams mined and approximate dates of past mining. After much searching, this information was found in Chapter 5, Historical and Cultural Resources. Therefore, pursuant to UMC 771.23(b), please provide a reference to this information under an appropriate title in Chapter 4 or move this information from Chapter 5 to Chapter 4.

UMC 784.13(b) Revegetation Plan - LK

The schedule for revegetation (Chapter 9, page 72) is not acceptable in that it does not identify each major step in reclamation (i.e., backfilling and grading, topsoil replacement, seedbed preparation, seeding, mulching, planting, etc. as required by UMC 784.13(b)(1) and (b)(5)(i), and the proposed timing does is not during the normal period for favorable planting as required by UMC 817.113(a). Please provide an appropriate schedule for revegetation identifying the approximate dates and time frames for each major step in reclamation (refer to the Division's Draft Revegetation Guidelines to aid you in developing an acceptable schedule.

cc: D. Darby
1414R/50-51

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INSPECTION REPORT

INSPECTION DATE & TIME: August 9, 1988
10a.m. to 4p.m.

Permittee and/or Operators Name: Castle Gate Coal Company
Business Address: P.O. Box 449
Mine Name: Price River Complex Permit Number: ACT/007/004 7030
Type of Mining Activity: Underground Surface Other
County: Carbon
Company Official (s): Richard Allison
State Official(s): Harold G. Sandbeck and Mike DeWeese
Partial: Complete: Date Last Inspection: July 12 & 13, 1988
Weather Conditions: Clear and cool
Acreage: Permitted 8510 Disturbed 130 Regraded 6.5 Seeded 6.5 Bonded 130
Enforcement Action: None

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	()	()	()	()
2. SIGNS AND MARKERS	(XX)	()	()	(XX)
3. TOPSOIL	(XX)	()	()	()
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	(XX)	()	()	()
b. DIVERSIONS	(XX)	()	()	(XX)
c. SEDIMENT PONDS AND IMPOUNDMENTS	(XX)	()	()	(XX)
d. OTHER SEDIMENT CONTROL MEASURES	(XX)	()	()	(XX)
e. SURFACE AND GROUNDWATER MONITORING	()	()	()	()
f. EFFLUENT LIMITATIONS	()	()	()	()
5. EXPLOSIVES	()	()	()	()
6. DISPOSAL OF DEVELOPMENT WASTE AND SPOIL	(XX)	()	()	()
7. COAL PROCESSING WASTE	(XX)	()	()	()
8. NONCOAL WASTE	(XX)	()	()	(XX)
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	()	()	()	()
10. SLIDES AND OTHER DAMAGE	()	()	()	()
11. CONTEMPORANEOUS RECLAMATION	()	()	()	()
12. BACKFILLING AND GRADING	()	()	()	()
13. REVEGETATION	(XX)	()	()	(XX)
14. SUBSIDENCE CONTROL	()	()	()	()
15. CESSATION OF OPERATIONS	()	()	()	()
16. ROADS				
a. CONSTRUCTION	(XX)	()	()	(XX)
b. DRAINAGE CONTROLS	(XX)	()	()	()
c. SURFACING	()	()	()	()
d. MAINTENANCE	()	()	()	()
17. OTHER TRANSPORTATION FACILITIES	()	()	()	()
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	()	()	()	()

INSPECTION REPORT
(continuation sheet)

Page 2 of 3

PERMIT NUMBER: ACT/007/004

DATE OF INSPECTION August 9, 1988

(Comments are Numbered to Correspond with Topics Listed Above)

General Comments. Richard Allison accompanied the undersigned inspector on this partial inspection. No significant environmental problems were noted. Maintenance items mentioned in this report have not reached an out of compliance level.

2. Signs and Markers.

Sowbelly Area

The main entrance sign is on order. Because the site is inactive, the operator requested that the sign be moved closer to the mine site adjacent to the initial entrance gate. The operator was informed to move the sign and submit a revision to the Division which should be handled in the Mid-Term review.

Crandall Canyon Area

The topsoil sign at the extreme east end of the mine site has been reposted. The stockpile appears stable. Additional disturbed markers will be placed in the leach field area and the water tank area.

4. Hydrologic Balance.

b. Diversions. At the Crandall Canyon site, a 90 inch culvert will be repaired. The culvert is slightly crushed. At this time a violation is not warranted.

c. Sediment Ponds And Impoundments.

Castle Gate Prep. Plant Area

As mentioned in the June 15 & 16, 1988 inspection report, Pond 12A had been cleaned in April of 1988. Pond 12B is due for cleaning. Pond 12B contains water and the operator may decide to mechanically pump the pond dry instead of waiting for natural evaporation.

Sowbelly Area

The operator was informed to remove debris from the north inlet of pond 005. Also the embankment of pond 003 requires minor maintenance. At this time a violation was not warranted.

INSPECTION REPORT
(continuation sheet)

Page 3 of 3

PERMIT NUMBER: ACT/007/004

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d. Other Sediment Control Measures.

Castle Gate Prep. Plant Area

At the new unit train loadout, the operator requested the removal of some sections of silt fencing. This unit train loadout area is classified as a small area exemption (SAE). For additional information, see the April 9, 1987 Castle Gate submittal. The amendment tracking number is ACT/007/004-87C.

The operator was informed to submit a letter to the Division requesting permission to remove some of the silt fences. In the letter, the operator must demonstrate that the vegetation cover is adequate to serve as a filter. The undersigned inspector recommends approval.

Crandall Canyon Area

The operator was informed to upgrade the berms near the water tank area.

8. Noncoal Waste.

Castle Gate Prep. Plant Area

The operator has removed waste from Barn Canyon. The operator was informed to remove a few pieces of tin and aluminum. This area was an old pre-law mining dump.

A number of empty barrels are stored in the barn canyon storage pad. The operator intends to remove these barrels as soon possible.

13. Revegetation. Lynn Kunzler (Division Biologist) was informed to evaluate the weed problem at the Crandall Canyon leach field site.

16. Roads:

a. Construction. The Castle Gate Preparation Plant Class I haul road has been certified as of 6/24/88.

Copy of this Report:

Mailed to: Richard Allison (CGCC), Price Office and Brian Smith (OSM)

Given to: Sue Linner and Joe Helfrich - DOGM

Inspectors Signature and Number: Harold J. Farnsworth #27 Date: 8/18/88