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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

John *SCU* *B*

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INSPECTION REPORT

INSPECTION DATE & TIME: July 12 & 13, 1988
10 a.m. to 4 p.m. and 8 a.m. to 4 p.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
Type of Mining Activity: Underground Surface Other
County: Carbon
Company Official (s): Burt Jeanselme and Gary Pilling
State Official(s): Harold G. Sandbeck and Sue Linner
Partial: Complete: XXX Date of Last Inspection: June 15 & 16, 1988
Weather Conditions: Both days were clear and warm.
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	(XX)	()	()	()
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	(XX)	()	()	()
f. EFFLUENT LIMITATIONS	(XX)	()	()	()
5. EXPLOSIVES	(XX)	()	()	()
6. DISPOSAL OF DEVELOPMENT WASTE AND SPOIL	(XX)	()	()	()
7. COAL PROCESSING WASTE	(XX)	()	()	(XX)
8. NONCOAL WASTE	(XX)	()	()	(XX)
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	(XX)	()	()	()
10. SLIDES AND OTHER DAMAGE	(XX)	()	()	()
11. CONTEMPORANEOUS RECLAMATION	(XX)	()	()	()
12. BACKFILLING AND GRADING	(XX)	()	()	()
13. REVEGETATION	(XX)	()	()	()
14. SUBSIDENCE CONTROL	(XX)	()	()	()
15. CESSATION OF OPERATIONS	(XX)	()	()	(XX)
16. ROADS				
a. CONSTRUCTION	(XX)	()	()	()
b. DRAINAGE CONTROLS	(XX)	()	()	(XX)
c. SURFACING	(XX)	()	()	(XX)
d. MAINTENANCE	(XX)	()	()	()
17. OTHER TRANSPORTATION FACILITIES	(XX)	()	()	()
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	(XX)	()	()	(XX)

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(Comments are Numbered to Correspond with Topics Listed Above)

General Comments.

Burt Jeanselme and Gary Pilling accompanied the undersigned inspector on this complete inspection. Richard Allison (the environmental contact person) was on vacation. For locations given in this report, please refer to Exhibit 3.2-1A, Exhibit 3.7-4 and Exhibit 3.4-2 titled Sowbelly Gulch-NO.5 Mine Drainage Areas, Preliminary Plot Plan & Drainage Boundaries Crandall Canyon Shaft Development and Castle Gate Area Existing Drainage Pattern & Control Structures, respectively. A Mid-Term review is in progress at this site.

At the Castle Gate Preparation Plant Area, the operator was informed of four (4) potential violations which are discussed in this report. The problems were corrected on-site and reinspected.

2. Signs and Markers:

Castle Gate Prep. Plant Area

Signs. The topsoil sign south of the new unit train loadout has been reposted.

Disturbed Markers. The operator was informed that markers had not been installed at the new unit train loadout area (June 15 & 16, 1988 report). The operator corrected this potential NOV.

Sowbelly Area

Signs. The main entrance sign was difficult to read due to normal weathering. The operator was informed to repaint the sign.

Disturbed Markers. Disturbed markers were seen, but additional markers are needed on the upper east side and west side of the mine site. Many of the current markers are too short.

Crandall Canyon Area

Signs. One topsoil sign needs to be reposted at the extreme east end of the mine site.

Disturbed Markers. The operator was informed to place additional markers at the extreme east end of the property and along the road below pond 014 to entrance gate.

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4. Hydrologic Balance:

b Diversions.

Castle Gate Prep. Plant Area

The operator was informed of a potential NOV regarding a plugged culvert inlet and two downspouts which required protection. These problems were corrected on site and reinspected.

Sowbelly Area

Culvert C-3 located south of the guard shack requires additional outlet erosion protection. The area appears stable.

Crandall Canyon Area

- * The Mid-Term review will address the extreme east end of the property by revising and updating maps. The following two items will be addressed:
 1. Small Area exemption status (SAE) for the leach field and water tank area. The operator indicated that the leach field has a SAE.
 2. A number of culverts along the road leading into the leach field and water tank area are not on maps. The operator states that the road is not permitted.
- * The operator was informed that a trash rack may need to be installed at the inlet of a 48 inch culvert. The culvert is located west of the intake shaft and south of the pad in a side drainage.
- * The operator will repair a slightly crushed outlet on a 90 inch culvert located north of the intake shaft. The crushing is minor and does not warrant a violation.

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c. Sediment Ponds and Impoundments:

Castle Gate Prep. Plant Area

The operator was informed of a potential NOV regarding the nondischarging pond inlet which required maintenance. This area was repaired and reinspected.

Sowbelly Area

- * Evidence of a minor slump (small area) was noted on the north embankment of pond 003. The operator was informed to maintain this area. If the slumping is determined to be subsidence induced (underground workings), then the operator must submit mitigating plans to the Division.
- * The Mid-Term review will update and revise pond 005's design of (refer to Exhibit 11.3) the emergency spillway and slotted drain. The operator indicated that this pond will be reclaimed during final reclamation.
- * The operator was informed to remove debris from the north inlet of pond 005.

Crandall Canyon Area

The Mid-Term review will address the following items:

- * A SAE status for the area east of pond 015.
- * Address pond 014's decant structures. Specifically, a culvert which decants the pond and appears higher than the manually decant. The culvert in question is on the east side of the pond.

d. Other Sediment Control Measures:

Castle Gate Prep. Plant Area

The operator was informed of the potential NOV regarding the silt fences near the new unit train loadout (specifically the bridge area). The silt fences were repaired/replaced on-site and reinspected.

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Crandall Canyon Area

The operator was informed to repair/replace a number of silt fences and strawbales before they reach a noncompliance status at the extreme east end of the property.

7. Coal Processing Waste. In the Castle Gate Prep. Plant area, the operator removed a small pile of coal waste north of the raw water pond and the transfer sampling building.

8. Noncoal Waste.

Castle Gate Prep. Plant Area

The operator removed the waste from the areas east of the new unit train loadout, the old loadout and the nondischarging pond. The operator was still removing the waste from the Barn Canyon area.

Sowbelly Area

The operator was informed to remove noncoal waste in the west diversion ditch from north of pond 003 to pond 004 and the south diversion ditch from pond 003 to the substation.

Crandall Canyon Area

The operator was informed to remove a PVC pipe located east of pond 015 near the bridge.

15. Cessation of Operations. At the Sowbelly site, the number 3 mine portals have been sealed according to IMSA standards.

16. Roads:

b. Drainage Controls.

Crandall Canyon Area

- * The operator was informed to upgrade the road treatment at the extreme east end of the property and along the road below pond 014 to the entrance gate.

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- * Minor ditch maintenance is required along the road at the above mentioned area before reaching a noncompliance status.

Sowbelly Area

The operator was informed to install road drainage treatment facilities (where needed) between the two entrance gates. The Mid-Term review process will clarify the MRP's narrative regarding the operator's responsible of the entrance road.

c. Surfacing.

In the June 15 & 16, 1988 inspection report at the Castle Gate Prep. Plant, the operator was informed to incorporate additional measures to control air born dust. A dust problem was not evident during this inspection. The undersigned inspector was informed that a water truck in conjunction with a sprinkling system routinely sprays the roads.

Castle Gate Prep. Plant has an air quality permit. The permits effective date is November 9, 1987. Charlie Tyson, with the Utah Bureau of Air Quality, states that all unpaved roads on the mine site will be water sprayed or chemically treated. Water will be applied at a rate of 1/2 gallon per square yard every two hours unless rain fall exceeds 1/10 of an inch. At this time, chemical treatment (magnesium chloride) is not being used. Before using the chemical treatment approach, the operator must receive prior approval from the Bureau of Air Quality.

18. Support Facilities/Utility Installations.

- * At the Sowbelly site, the operator was informed to construct berms around the drums of soluble oil.
- * The operator indicated that the main substation at the Sowbelly site has a SAE. The substation is located south of pond 005. The operator was informed to upgrade the treatment facilities (straw bales and berms) including the posting of disturbed markers.

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. Sandford #27 Date: July 26, 1988