

0014



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: September 27, 1994, 8:30 A.M. to 12:00 P.M.
Date of Last Inspection: August 26, 1994

Mine Name: Castle Gate County: Carbon Permit Number: ACT/007/004
Permittee and/or Operator's Name: AMAX Coal Co.
Business Address: P. O. Drawer PMC, Price, Utah
Type of Mining Activity: Underground X Surface Prep. Plant X Other
State Official(s): Paul Baker
Company Official(s): Lonnie Mills
Federal Official(s): None
Weather Conditions: Clear, 60-70's
Existing Acreage: Permitted- 7619 Disturbed- 170 Regraded- 13.2 Seeded- 13.2 Bonded- 134.5
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/ 10 for Goose Island 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. 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 (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: September 27, 1994

(Comments are Numbered to Correspond with Topics Listed Above)

1. Permits, Change, Transfer, Renewal, Sale

In response to a Division Order issued August 18, 1994, the Division received a schedule for revising the Castle Gate mining and reclamation plan. On September 27, 1994, the Division responded that the schedule was acceptable.

2. Signs and Markers

The telephone number and address on the mine entrance signs need to be changed. The Division is addressing correspondence to P. O. Drawer PMC in Price, and the telephone in the Hardscrabble Canyon office has been disconnected.

4. Hydrologic Balance

a. Diversions

Culvert CGC-4 has been changed in accordance with a commitment in the mining and reclamation plan. The gully that extended from the end of the old culvert to pond 13 was filled, and a new flexible culvert was installed to transport water down the hill.

The operator has done some work to abate violation N94-41-4-1, but it is not complete. According to my interpretation of the mining and reclamation plan, diversion CGD-19 needs to have riprap with a D_{50} of ten inches. In CGD-7 (lower), some of the filter blanket material is still exposed although it is difficult to tell exactly how much. The abatement date for this violation is October 31, 1994.

We again looked at the erosion on the side of Barn Canyon that was the subject of N94-41-3-1. At the bottom of the gully, the water spread out over thirty feet although erosional damage was limited to about twenty feet. Diversion CGD-5 does not empty directly into the natural drainage. Rather, it ends on top of some relatively loose material that may be fill that came from grading CGD-5 or may be natural colluvium. Except for the gully cut into this loose material, the natural drainage is showing signs of armoring itself. We discussed alternatives for stabilizing the channel. It may be difficult to do any more than to simply seed and monitor it.

c. Other Sediment Control

Some of the reclaimed areas in Sowbelly Gulch need to be roughened to better contain runoff. Most of the areas have been contour furrowed, and there is a silt fence in the main channel that appeared to have controlled sediment from a storm the week of Sept. 19.

8. Noncoal Waste

Near the entrance to the preparation plant, someone has placed a dumpster. The dumpster is barely inside AMAX's disturbed area boundary, but it is probably the responsibility of Utah Power and Light. There is some trash outside the dumpster, and the area is not designated for noncoal waste storage. The operator should contact Utah Power and have it removed.

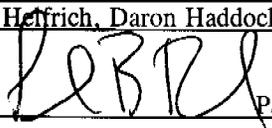
9. Protection of Fish, Wildlife and Related Environmental Values

Pond 17 and one low place along a berm in Sowbelly Gulch had water in them. In the short time we were watching, we saw at least three chipmunks and one bird use this water.

Copy of this Report:

Mailed to: Marcia Petta (OSM), Lonnie Mills (AMAX)

Given to: Joe Helfrich, Daron Haddock (DOGMI)

Inspector's Signature:  Paul B. Baker #41 Date: October 4, 1994