



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Jd

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INSPECTION REPORT

Partial: X Complete: Exploration:

Inspection Date & Time: May 26, 1998, 10:00 AM to 1:30 PM

Date of Last Inspection: April 27, 1998

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 84501

Type of Mining Activity: Undergroud X Surface Prep. Plant X Other

State Official(s): Paul Baker

Company Official(s): Johnny Pappas

Federal Official(s): None

Weather Conditions: Partly cloudy, 60's, very windy

Existing Acreage: Permitted- 7509.5 Disturbed- 61 Regraded- abt. 29 Seeded- abt 29 Bonded- 61

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 checked="" 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 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. 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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: May 26, 1998

(Comments are Numbered to Correspond with Topics Listed Above)

3 Topsoil

Sediment has been cleaned from pond 10, and the material is piled next to the pond. It may be possible to use this material as substitute topsoil. Division soils specialists are working to resolve this with the permittee

4. Hydrologic Balance

a. Diversions

In one area below Dog Flat, the main channel is not as deep as it should be according to the design. However, since the channel is wider than the design shows, it may be able to pass the design flow. I was told by the reclamation contractor that Dan Guy, a professional engineer, checked the channel last fall, but I don't know if he checked that specific section. I suggested to Mr. Pappas that he have Mr. Guy check the section and make a determination whether it will be adequate.

12. Backfilling and Grading

In an area north of channel HCRD-6 south of the No. 3 Mine portal, it will be impossible to maintain a 2h:1v or less steep slope without altering the channel design. The permittee committed in the plan to maintain all slopes at 2h:1v or less. The section that would need to be steeper is about 50 feet long with a slope length of about 80 feet, and it would be about 1.75-1.5h:1v. Based on the soil structure and surrounding topography, the Division has estimated the static safety factor for this slope would be 1.478. Because the area with the steeper slope is relatively small and because it appears it would still be stable, the permittee can continue grading the slope in this manner, but it will be necessary to provide as-built drawings showing the variation from the design.

13. Revegetation

Last year, we found a small patch of whitetop in Sowbelly Gulch. We found it again and marked it with some green netting. The whitetop will need to be sprayed with an herbicide.

There are numerous musk thistle rosettes in the Sowbelly area. These should be dug or sprayed soon, and repeat treatments will probably be necessary since it is often difficult to locate the plants before they bolt.

Vegetation continues to progress in Sowbelly Gulch, but there are a few areas I'm concerned about. The largest area with little desirable vegetation is on the southeast part of the reclaimed area. In Hardscrabble Canyon, vegetation is looking very good, including transplants that were put in last fall. Transplanting is normally done in the spring, but our experience at Hardscrabble has shown that fall transplanting can work there.

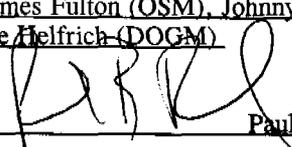
18. Support Facilities/Utility Installations

On April 29, 1998, the Division received a letter indicating the permittee's intent to remove parts of the substation from the area above Goose Island. The permittee had been concerned the Division would require reclamation of the area even though there is a possibility it would be used for future coal mining in Crandall Canyon. The letter says the permittee will proceed unless the Division indicates it would require immediate reclamation. Since the area is still covered by a reclamation bond and since the permittee indicates the area will probably be used in the future, it is not necessary to require immediate reclamation.

Copy of this Report:

Mailed to: James Fulton (OSM), Johnny Pappas (Amax)

Given to: Joe Helfrich (DOGM)

Inspector's Signature: 

Paul B. Baker #41 Date: June 8, 1998