



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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INSPECTION REPORT

Partial: Complete: Exploration:

Inspection Date & Time: January 12, 1994, 9:00 AM to 2:00 PM

Date of Last Inspection: December 8, 1993

Mine Name: Castle Gate County: Carbon Permit Number: ACT/007/004
Permittee and/or Operator's Name: AMAX Coal Co.
Business Address: 165 S. Union Blvd, Ste. 1000, P. O. Box 280219, Lakewood, CO 80228-0219
Type of Mining Activity: Underground X Surface Prep. Plant X Other
State Officials(s): Paul Baker and Randy Harden
Company Official(s): Richard Allison
Federal Official(s): None
Weather Conditions: Partly cloudy, 30-40'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/ 9 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 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 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 checked="" 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: January 12, 1994

(Comments are Numbered to Correspond with Topics Listed Above)

1. Permits, Change, Transfer, Renewal, Sale

The response to the Division's December 7, 1994, letter requesting information about the Cyprus/AMAX merger indicated that Cyprus AMAX did not consider the merger to be a permit transfer. The permittee for the Castle Gate Mine will remain AMAX Coal Co.

On January 11, 1994, the Division sent a letter to Greg Walker, managing attorney for Cyprus AMAX Minerals Company, requesting ownership and control information for the Castle Gate and Star Point Mines in the detail required by R645-301-112.300 through 112.350. The letter requested a response within ten working days of receipt of the letter.

4. Hydrologic Balance

c. Other Sediment Control Measures

The plan shows that a ditch would be built on the west side of Sowbelly Gulch to convey water to pond 17. At the upper part of the disturbed area, the regraded area narrows to the point where the contractor doing the grading does not feel that it would be beneficial to build the ditch or to put in silt fences or other sediment control structures. Mr. Allison said that the plan demonstrates that the amount of mulch and tackifier used in this area would control sediment as well as a silt fence. For now, the drainage from this area would still report to a sediment pond.

We again looked at the area of the unit train loadout. The adequacy of the vegetation for controlling sedimentation still needs to be reevaluated.

12. Backfilling and Grading

We evaluated the grading which has been done in Sowbelly Gulch. One area where additional work needs to be done is along the bench on the east side of the canyon. There is a berm that needs to be removed.

The plan does not show that any cut slope will remain after final grading on the road to the water tank. Although this area has been graded and seeded, a portion of the cut slope remains. We discussed the difficulty of eliminating this cut slope without disturbing additional area but did not decide the best solution for the problem.

AMAX plans to submit an amendment addressing the problem of the exposed coal seam in the No. 4 Mine canyon. It will need to deal with the potential for sustained combustion and also the possibility of degrading water quality.

13. Revegetation

The areas on both sides of the upper part of the canyon in Sowbelly Gulch have been seeded.

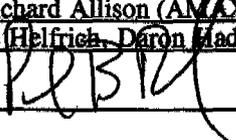
We discussed timing of planting in the channel. The plan says that drainages will be planted in mid-April when possible but that unusual meteorological conditions or compliance requirements may result in planting efforts at times different from those specified. Considering that riprap will probably not be placed until July, we decided that the best time to plant would probably be in the fall. Transplants can be planted in the fall if dormant stock is used.

There is a small undisturbed area near the portals in Sowbelly Gulch that may need to be disturbed to reclaim the highwalls. This area contains grasses and trees that should be transplanted to other areas rather than just removing them. There has been only very limited success at other mines with trying to transplant mature trees, but the grasses may survive, particularly if they are watered after being transplanted.

Copy of this Report:

Mailed to: Richard Allison (AMAX), Marcia Petta (OSM)

Given to: Joe Helfrich, Daron Maddock (DOGM)

Inspector's Signature:  Paul B. Baker #41 Date: January 25, 1994