



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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## INSPECTION REPORT

Partial:      Complete: X Exploration:       
Inspection Date & Time: November 30, 1993, 10:00 A.M. to 4:00 P.M.  
Date of Last Inspection: October 14, 1993

Mine Name: Castle Gate County: Carbon Permit Number: ACT/007/004  
Permittee and/or Operator's Name: AMAX Coal Company  
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 Official(s): Paul Baker  
Company Official(s): Richard Allison  
Federal Official(s): None  
Weather Conditions: Cloudy, 20-30's, 3-4" of snow on ground  
Existing Acreage: Permitted- 7619 Disturbed- 170 Regraded- 13.2 Seeded- 13.2 Bonded- 134.5  
Increased/Decreased: Permitted- 0 Disturbed- 0 Regraded- 6.7 Seeded- 6.7 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 checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| 3. TOPSOIL   | <input checked="" 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 checked="" 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 checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| e. EFFLUENT LIMITATIONS  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| 5. EXPLOSIVES  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES                        | <input type="checkbox"/>            | <input checked="" 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 checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| 9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10. SLIDES AND OTHER DAMAGE                                      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 11. CONTEMPORANEOUS RECLAMATION                                  | <input checked="" 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 checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 14. SUBSIDENCE CONTROL   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| 15. CESSATION OF OPERATIONS                                      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 16. ROADS:   |                                     |                                     |                                     |                          |
| a. CONSTRUCTION/MAINTENANCE/SURFACING                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. DRAINAGE CONTROLS   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| 17. OTHER TRANSPORTATION FACILITIES                              | <input checked="" 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 checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| 21. BONDING & INSURANCE  | <input checked="" 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: November 30, 1993

(Comments are Numbered to Correspond with Topics Listed Above)

### 1. Permits, Change, Transfer, Renewal, Sale

According to information supplied by Mr. Allison, AMAX Corp., the ultimate parent of the permittee, was purchased and is now a part of Cyprus AMAX. The permittee will remain AMAX Coal Co. AMAX will need to revise the ownership, control, and compliance sections of the plan. The Division is in the process of obtaining more information about this merger and will evaluate whether or not it was done in compliance with the regulations.

On November 26, 1993, the Division approved a temporary stabilization seed mix.

Also on November 26, 1993, the Division sent a letter to Mr. Allison stating that AMAX needs to revise Sections 3.3 and 3.4 of the plan to provide for the upgrading of facilities at the Castle Gate Mine and provide the commitment to reclaim the site if upgrading has not occurred by August 31, 1994.

Correspondence dated November 12, 1993, from James Carter to Richard Allison indicates that a new Division Order is expected to be issued in conjunction with the termination of the December 18, 1990, Division Order and subsequent violation N91-28-2-1. The new Division Order would deal primarily with the Crandall Canyon portion of the plan.

### 4. Hydrologic Balance

#### a. Diversions

The channel through the No. 4 Mine canyon has now been tied in with the main undisturbed drainage channel in Hardscrabble Canyon. I measured this channel and found it to vary from the design; however, there was enough snow that the measurements were difficult and not precise. This channel needs to be measured in the spring to see if it conforms to the design.

#### b. Sediment Ponds and Impoundments

Excavation work is continuing on pond 16 in Sowbelly Gulch. Most of the drainage from the disturbed area in Sowbelly would report to ponds 4 and 5. Work has begun to build the ditch that will carry disturbed area drainage from the east side of the channel to pond 16.

#### c. Other Sediment Control Measures

A few problems with the installation of the silt fences in the No. 4 Mine canyon were shown to Mr. Allison who assured me that they would be corrected the next day if possible. The entire area had some form of erosion protection, and there was no evidence of sediment leaving the disturbed area. However, some modifications to the installations need to be performed so that they will work properly.

In October, some coal was cleaned from the area of the unit train loadout. The berm that was breached to provide access across the bridge was rebuilt. The area of the loadout is an alternate sediment control area with vegetation functioning as the sedimentation control. The area from which the coal was cleaned in October has no vegetation on it. However, water from this area would flow through fairly level vegetated area before going off the site. The adequacy of the sediment control in this area needs to be reevaluated. I did not see evidence of sediment leaving the site.

### 9. Protection of Fish, Wildlife, and Related Environmental Values

The plan contains a commitment to establish rock piles for wildlife habitat where rocks become available during regrading. Although the area on the west side of the upper part of the channel in Sowbelly has been seeded, no rock piles have been created. It appears that some rocks are available although I believe that most of the rocks are intended to be used for riprap. Some of the larger rocks should be used to create wildlife habitat similar to what was done in the No. 4 Mine canyon.

## INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/004

DATE OF INSPECTION: November 30, 1993

### 13. Revegetation

After the last inspection, I spoke with the State Agriculture Inspector and asked him to contact the seeding contractor about taking samples of the seed which was to be used for the final reclamation seedings. He took the samples on October 18 and submitted them to the State Seed Laboratory for analysis. These samples are being tested as service, rather than regulatory, samples for the seeding contractor and/or AMAX. This sampling was not required in the mining and reclamation plan. The Agriculture Inspector told me that he was concerned that some of the seed was in a puddle of water in the warehouse when he sampled it.

### 16. Roads

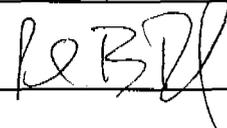
#### a. Construction, Maintenance, Surfacing

Portions of ancillary road A-2 in the preparation plant area need to be graded to provide a wider driveable surface.

### Copy of this Report:

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

Given to: Joe Helfrich, Daron Haddock (DOGM)

Inspector's Signature: 

Paul B. Baker #41

Date: December 2, 1993