



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

gph

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## INSPECTION REPORT

Partial: X Complete:    Exploration:   

Inspection Date & Time: December 6, 1994, 9:30 A.M. to 2:00 P.M.

Date of Last Inspection: November 11, 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. Box PMC, Price, Utah 84501

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: Cloudy, Light Snow, up to about 12" of snow on the ground

Existing Acreage: Permitted- 7619 Disturbed- 170 Regraded- 33.2 Seeded- 33.2 Bonded- 134.5

Increased/Decreased: Permitted- 0 Disturbed- 0 Regraded- 20 Seeded- 20 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 checked="" 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 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/004

DATE OF INSPECTION: December 6, 1994

(Comments are Numbered to Correspond with Topics Listed Above)

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

The Division is continuing to analyze available information from the Nov. 2 bond release technical assessment. The operator needs to submit as-built drawings comparing the actual topography with maps and cross sections in the mining and reclamation plan. Also, the Division will need to assess adequacy of the grading with regard to potentially acid-forming or toxic materials (see topsoil section below).

The operator requested some changes to the reclamation agreement. An Assistant Attorney General reviewed the request, and some changes were made. The revised reclamation agreement was sent to the operator on November 22, 1994.

On November 18, 1994, the Division received an amendment that proposes to regrade and cover the exposed coal seam in the No. 4 Mine canyon. The amendment also shows changes made to culvert CGC-4 in Schoolhouse Canyon. The technical staff is reviewing the amendment.

On October 25, 1994, the Division conditionally approved an amendment showing changes to the reclamation plan in Sowbelly Gulch. The conditions included changing Exhibit 3.2-2B, submitting as-built designs of the reclamation channels, and using road A-2 only infrequently and when there is no water in the channel.

### 2. Signs and Markers

The mine entrance signs have been changed to reflect the new address and telephone number. They contain the following information (including the "%" sign):

AMAX COAL COMPANY  
% Castle Gate Mine  
Cyprus-Plateau Mining Company  
P. O. Box PMC  
Price, Utah 84501  
801-637-6375  
MRP Permit ACT-007-004

### 3. Topsoil

The inspection report for November mentioned some areas in Crandall Canyon that might be used for substitute topsoil. We rechecked these areas. Only the one near pond 14 appears to be disturbed. This is consistent with maps of the area.

R645-301-553.300 requires that any acid-forming or toxic materials be adequately covered to prevent sustained combustion, to control impacts to surface and ground water, and to minimize adverse effects on plant growth and the approved postmining land use. Before doing most of the regrading in Sowbelly Gulch, the operator analyzed several soil samples and identified one area with potentially toxic materials. Rather than special-handling the spoil, the operator chose to grade the area and test the spoil for potentially toxic or acid-forming materials after grading. The area has now been graded, and these samples need to be taken.

### 4. Hydrologic Balance

#### a. Diversions

Mr. Mills said the riprap in the channel transition section between SBRD-1 and SBRD-8 was completed but that it still needed to be certified. About six inches of snow covers the area, so I could not tell if it was completed or not.

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9. Protection of Fish, Wildlife and Related Environmental Values

We saw about 50 elk and a few deer near Goose Island in Hardscrabble Canyon. There is a lot of sign of wildlife use in both Hardscrabble Canyon and Sowbelly Gulch.

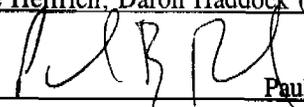
21. Bonding and Insurance

On October 3, 1994, the bond was increased to \$4,415,505.00, and the principal's name was changed to Amax Coal Co. The bond number is 929-80-55, and the bond was issued by National Fire Insurance Co. of Hartford.

Copy of this Report:

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

Given to: Joe Helfrich, Daron Haddock (DOGM)

Inspector's Signature: 

Paul B. Baker #41

Date: December 8, 1994