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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

10274

JK

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INSPECTION REPORT

Partial: X Complete: Exploration:

Inspection Date & Time: June 23, 1993, 9:30 A.M. to 2:00 P.M.

Date of Last Inspection: May 18, 1993

Mine Name: Castle Gate County: Carbon Permit Number: ACT/007/004
Permittee and/or Operator's Name: AMAX Coal Co.
Business Address: 2273 Bishop Rd., P. O. Box 3005, Gillette, WY 82717-3005
Type of Mining Activity: Underground X Surface Prep. Plant Other
State Officials(s): Paul Baker
Company Official(s): Richard Allison
Federal Official(s): None
Weather Conditions: Clear, 70's, windy in the afternoon
Existing Acreage: Permitted- 8510 Disturbed- 134.5 Regraded- 6.5 Seeded- 6.5 Bonded- 134.5
Increased/Decreased: Permitted- 0 Disturbed- 0 Regraded- 0 Seeded- 0 Bonded- 0
Status: Exploration/ Active/ Inactive/ X Temporary Cessation/ Bond Forfeiture
Reclamation (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 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 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 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: June 23, 1993

(Comments are Numbered to Correspond with Topics Listed Above)

1. Permits, Change, Transfer, Renewal, Sale

AMAX has requested an extension to August 31, 1993, to abate N92-39-7-1. This violation is for a diversion on the Schoolhouse Canyon refuse pile. Approval of the designs for this diversion was given June 3, 1993, and AMAX has begun excavation.

The Division and AMAX are continuing to work to resolve the December 18, 1990, Division Order.

AMAX and Cyprus have announced that these companies may merge. The agreement is pending stockholder approval.

4. Hydrologic Balance

a. Diversions

There has been some erosion in reclaimed channels HCRD-9 and HCRD-11 at the point where they join to form the diversion that carries runoff from reclaimed and undisturbed areas through the mine area. This short section is scheduled to be redisturbed and reclaimed next year, so a temporary solution is desirable. Mr. Allison agreed to place straw bales in the areas that are eroding and, as felt necessary, downstream to prevent offsite sedimentation.

12. Backfilling and Grading

AMAX has begun to grade the No. 4 Mine canyon. All of the grading work so far is preliminary and is eliminating some of the benches in this canyon. The portal has been backfilled. Work has not yet begun to eliminate the cut slopes and highwall.

13. Revegetation

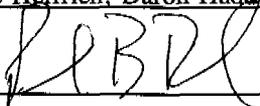
Despite the efforts of AMAX and me, Carbon County Weed Control was very unresponsive in attempting to control the dyer's woad in Hardscrabble Canyon. As stated in the April inspection report, spray work was supposed to have begun the first part of May. Several telephone messages went unanswered. AMAX finally gave up and hired a company to spray it with Roundup. According to Mr. Allison, it was sprayed using hand sprayers on June 21. During the inspection, two people from Weed Control came and were spraying with Escort. They stated that Escort stops growth almost immediately. This will hopefully keep the seeds from maturing. Most of the plants have stopped flowering and have green seeds on them. Recent research indicates that many of these seeds may be mature enough to be viable. This will be checked later in the summer. Because of the grading work that is being done in the No. 4 Mine canyon and because of the large number of plants on the slopes above this canyon, there is a high potential for dyer's woad to become established on the newly-reclaimed area.

Last fall, the Erosion Condition Classification System was used on one of the steeper areas of the reclaimed Goose Island refuse disposal area, and a value of 57 was obtained. This was documented in a memo to the file. During the inspection, a larger but generally less steep section of Goose Island was evaluated using this system, and a value of 34 was obtained. A fairly large proportion of the area shows signs of soil movement, but the degree of pedestalling and formation of microterraces is not great. There are a few small rills but no gullies.

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: June 29, 1993