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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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Dr 7
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INSPECTION REPORT

DIVISION OF
OIL GAS & MINING

PERMIT NO.: ACT/007/004 Inspection Date: October 9-11, 1991
 Permittee and/or Operators Name: Amax Coal Co.
 Business Address: P.O. Box 449
 City: Helper State: Utah Zip: 84526
 Mine Name: Castle Gate
 County: Carbon State: Utah
 Type of Mining Activity: Underground Surface Other
 Company Official (s): Mel Coonrod, Pete Ferguson
 State Officials (s): Stephen J. Demczak, Paul Baker, Priscilla Burton
 Time of Inspection: 8:30 () a.m. () p.m. to 4:30 () a.m. () p.m.
 Partial Complete: Date of Last Inspection: July 10-11, 1991
 Weather Conditions: Warm, 70's
 Acreage: Permitted 8510 Disturbed 134.5 Regraded 6.5 Seeded 6.5
 Bonded 134.5 Enforcement Action: Yes (NOV 91-39-10-1)

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	(<input type="checkbox"/>)	(<input checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input checked="" 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. STREAM CHANNEL DIVERSIONS	(<input checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)
b. DIVERSIONS	(<input checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input checked="" type="checkbox"/>)
c. SEDIMENT PONDS AND IMPOUNDMENTS	(<input checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input checked="" type="checkbox"/>)
d. OTHER SEDIMENT CONTROL MEASURES	(<input checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)
e. SURFACE AND GROUNDWATER MONITORING	(<input checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)
f. EFFLUENT LIMITATIONS	(<input checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)
5. EXPLOSIVES	(<input checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)
6. DISPOSAL OF DEVELOPMENT WASTE AND SPOIL	(<input checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)
7. COAL PROCESSING WASTE	(<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 type="checkbox"/>)	(<input type="checkbox"/>)
10. SLIDES AND OTHER DAMAGE	(<input checked="" type="checkbox"/>)	(<input 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 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 checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)
16. ROADS				
a. CONSTRUCTION	(<input checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)
b. DRAINAGE CONTROLS	(<input checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)
c. SURFACING	(<input checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)
d. MAINTENANCE	(<input checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input checked="" 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 checked="" type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)

INSPECTION REPORT COMMENTS
(continuation sheet)

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PERMIT NO. ACT/007/004 INSPECTION DATE October 9-11, 1991

(Comments are Numbered to Correspond with Topics Listed Above)

1. Permits -

- a. The drainage control map of Castle Gate Prep Plant was reviewed during field inspection and was found to be incorrect in several areas. The map showed an incorrect number of culverts, no culvert where culverts actually existed, and no cross-section ditch designs for D-10 and D-11. Therefore, NOV 91-39-10-1 was written due to hindrance of the inspection.
- b. The road certification map for Castle Gate Prep Plant was reviewed and appears to be adequate at this time. The Sowbelly and Hardscrabble roads are county roads, therefore, no road certifications were available for review.
- c. The water monitoring map was reviewed and was found to be incorrect compared to location designation with field notes and field designation. The map shows two number 26 sample sites on the Castle Gate property, which confuses the situation. There was no violation written due to the fact that a notice of violation was written with regard to a Division Order. Finding No. 21 of the Division Order reflects the deficiency regarding the monitoring plans, specifically ground water and surface water monitoring.
- d. Water monitoring was taken October 11, 1991 with location designation different from that on the water monitoring map.
- e. Pond inspections were done October 11, 1991 for quarterly inspections and no problems were noted.
- f. Refuge pile was certified September 27, 1991 with a violation presently active -- (NOV 91-28-2-1). The NOV is for failure to remove surface runoff from the top of the refuge pile.

4b. Diversions -

- a. Several ditches throughout the property require dressing up due to the summer storms. At this time, the ditches are functioning correctly but future storms may cause erosion or filling in of sediment in these ditches. This could cause a potential non-compliance situation. The following are ditches which require dressing up:
 1. Castle Gate Prep Plant D-10 and D-11 (ditches leading to ponds 12A and 12B).

INSPECTION REPORT COMMENTS
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2. The ditches along the Hardscrabble road.
3. The ditch by the longwall shield storage area at Hardscrabble.

b. The drainage map of Hardscrabble show a diversion ditch at the outlet of pond #8. Inspector Sharon Falvey noticed that it was non-existent, therefore a possible violation may be written by her.

4c. Sediment Ponds and Impoundments -

The sediment pond at Castle Gate has been reconstructed and was being reviewed by Sharon Falvey. Presently the ponds are under CO which may be terminated after pond review. The ponds have been seeded by a 1988 seed mix. If the seeding does not take, additional seeding will be required next year with current (dated) approved seed mix.

16d. Road Maintenance -

The roads at Castle Gate Prep Plant had two to four inches of coal float dust. The operator was requested and added Magnesium-Chloride and water to prevent future fugitive dust problems.

**An AVS check was made. No new changes were noted.

Copy of report:

Mailed to: Amax Coal Co.
Mailed to SLC for: Brian Smith (OSM) Joe Helfrich (DOGM)
Filed to: PFO

Inspectors Signature and Number: Stephen J. Demczak #39
Date: 10-18-91

Stephen J. Demczak