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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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OCT 10 1989

DIVISION OF
OIL, GAS & MINING

INSPECTION REPORT

INSPECTION DATE & TIME: Sept. 26, 1989
8:30 a.m. - 4:00 p.m.

Permittee and/or Operators Name: Cyprus - Plateau Mining Company
Business Address: P.O. Drawer PMC Price, Utah 84501
Mine Name: Starpoint Permit Number: ACT/007/006
Type of Mining Activity: Underground Surface Other
County: Carbon State: Utah
Company Official(s): Ben Grimes, John Borla
State Official(s): Bill Warmack, Bill Malencik
Partial: Complete: Date of Last Inspection: Aug. 21, 1989
Weather Conditions: Overcast & light rain
Acreage: Permitted 7200 Disturbed 221 Regraded Seeded Bonded 221
Enforcement Action: None

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	(X)	()	()	(X)
2. SIGNS AND MARKERS	(X)	()	()	()
3. TOPSOIL	(X)	()	()	(X)
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	(X)	()	()	()
b. DIVERSIONS	(X)	()	()	(X)
c. SEDIMENT PONDS AND IMPOUNDMENTS	(X)	()	()	(X)
d. OTHER SEDIMENT CONTROL MEASURES	(X)	()	()	(X)
e. SURFACE AND GROUNDWATER MONITORING	(X)	()	()	(X)
f. EFFLUENT LIMITATIONS	(X)	()	()	()
5. EXPLOSIVES	()	()	(X)	()
6. DISPOSAL OF DEVELOPMENT WASTE AND SPOIL	(X)	()	()	(X)
7. COAL PROCESSING WASTE	(X)	()	()	(X)
8. NONCOAL WASTE	(X)	()	()	()
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	(X)	()	()	()
10. SLIDES AND OTHER DAMAGE	()	()	(X)	()
11. CONTEMPORANEOUS RECLAMATION	(X)	()	()	()
12. BACKFILLING AND GRADING	(X)	()	()	()
13. REVEGETATION	(X)	()	()	(X)
14. SUBSIDENCE CONTROL	(X)	()	()	()
15. CESSATION OF OPERATIONS	()	()	(X)	()
16. ROADS				
a. CONSTRUCTION	(X)	()	()	(X)
b. DRAINAGE CONTROLS	(X)	()	()	(X)
c. SURFACING	(X)	()	()	()
d. MAINTENANCE	(X)	()	()	()
17. OTHER TRANSPORTATION FACILITIES	(X)	()	()	()
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	(X)	()	()	()

INSPECTION REPORT
(continuation sheet)

Page 2 of 6

PERMIT NUMBER: ACT/007/006

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(Comments are Numbered to Correspond with Topics Listed Above)

GENERAL:

This complete inspection was conducted with the assistance of Bill Malencik (DOGM), Ben Grimes (CPMC) and John Borla (CPMC). Cyprus-Plateau has initiated a program to involve the surface foreman on inspections to further develop their awareness of environmental compliance. A light rain was falling on site during the morning but soon cleared up. Evidence was present throughout the site indicating previous storm activity.

1. PERMITS:

1. The pertinent mine records were reviewed and found complete and in order. Several permitting actions were executed in 1989 and are listed below:

a. Cyprus-Plateau has received an approval from the Division for excavation of test exploration pits. Final approval is pending USFS decision.

b. Stipulation 817.71-.74-(1)-(PGS/RVS/DD) revised to 817.71-74-(1)-(HS) on August 7, 1989. Refuse pile monitoring program to be initiated at least two years prior to topsoil redistribution.

c. Approval of Stipulation Responses, UMC 817.43-(1)-(TM), UMC 817.44-(1)-(TM) and UMC 817.45-.47-(3)-(TM), dated August 1, 1989.

d. Approval of Amendment for refuse pile calculations, inlet protection and trash rack designs, dated August 1, 1989.

e. Approval Amendment for New Lands Break-Out Seal, dated July 14, 1989.

f. Approval of Amendment for new shop building addition, dated June 20, 1989.

g. Approval Amendment to Spring Monitoring Program (USFS Requested Changes), dated February 10, 1989.

h. Approval to Amend Mining Sequence Change , Section 18, dated January 12, 1989.

i. Approval Amendment of Alternate Sediment Control Areas, dated January 6, 1989.

INSPECTION REPORT
(continuation sheet)

Page 3 of 6

PERMIT NUMBER: ACT/007/006

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2. A copy of the Mining Permit was reviewed. The UDOGM approved the five year renewal on August 7, 1987; OSM concurred with an approval on January 17, 1989, retroactive to January 5, 1989. A bond has been posted in the amount of \$3,407,322 for 221.65 acres, dated November 26, 1985. Liability insurance is current and in force through National Union Fire Insurance Company of Pittsburgh, PA.; effective date is from July 1, 1989 to July 1, 1990.

3. Cyprus-Plateau was issued a NPDES permit, #UT-0023736, on January 22, 1988. The permit covers 10 outfall points and will expire on December 31, 1991. Application for one additional outfall is still pending with the Department of Health.

2. TOPSOIL

1. As a result of rodent activity at the subsoil pile (north of Pond 4), several piping holes have developed which have relayed water between terraces. Also, deer have foraged the area, as evidenced by tracks, droppings and the minimal plant growth. The berm and straw bales at the southern end need to be supplemented to ensure drainage control.

2. Cattle have disrupted the straw bales at the topsoil pile near #8 Pond. The perimeter berm is still intact and drainage from the topsoil was contained within the structures. The straw bales will be replaced or the berm will be augmented, whichever is appropriate.

4b. DIVERSIONS:

1. Due to the recent precipitation and cleanout activities, minor accumulations of debris and sediment have collected at inlets, outlets, and along channels. Although operational, the following locations should be cleaned to maintain proper flows:

- a. culvert inlet adjacent to upper shop.
- b. undisturbed culvert inlet at 6-7 belt transfer
- c. undisturbed ditch below Pond #6
- d. trash rack of culvert inlet to ditch 10D
- e. ditch along road at #1 Mine Portal Area
- f. culvert outlet adjacent to empty train car yard
- g. inlet to Pond #3 (adjacent to bone yard)

INSPECTION REPORT
(continuation sheet)

Page 4 of 6

PERMIT NUMBER: ACT/007/006

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2. In response to the Divisions request, Cyprus-Plateau has installed 16 silt fences (approximately 20' apart) in ditch 8; silt fences have also been installed in ditch 76. Due to the loose, unconsolidated material, these structures have a tendency to rapidly fill with sediment, increasing the potential to circumvent and induce erosion. As installed, the erosion control structures are a high maintenance issue. Therefore, to achieve long-term compliance, other erosion control alternatives (such as rip-rap) may be considered to relieve the day to day monitoring of these structures.

4c. SEDIMENT PONDS & IMPOUNDMENTS

Quarterly pond inspections were complete for 1988 and through the second quarter 1989. Sediment levels were indicated for all ponds and were well below the 60% level. No stability or associated problems were noted. All ponds have been certified after construction or reconstruction by a professional engineer. Ponds 3, 5 & the #1 Treatment Facility have received a construction variance from the Division. All ponds except #7 contained water.

4d. OTHER SEDIMENT CONTROLS

In addition to the previously mentioned sediment controls (straw bales), minor repairs or maintenance of sediment control structures at the following locations should be performed:

- a. silt fence at non-coal waste storage area
- b. straw bales below silo (outslope area)
- c. silt fences at silo pad
- d. silt fence at silo access road gate
- e. outslope of conveyor tail pad 1907

4e. SURFACE & GROUNDWATER MONITORING

Water monitoring schedule is outlined in Table 80 for 21 springs, 8 streams, 3 mine flows, and 8 wells. Well #86-18-2 has been mined out and well #36-26-4 has become plugged for some unknown reason.

1. In-mine flows were monitored for field & quality parameters on Jan 25, April 28, and July 12, 1989. Sample point 6 was inaccessible on July 12.

2. Springs, streams, and applicable wells were monitored on August 22 & 23 for field parameters; sampling was also conducted on September 14 and 15 for field and quality measurements. Lab results for the month of September have not been received by CPMC.

INSPECTION REPORT
(continuation sheet)

Page 5 of 6

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3. NPDES reports were completed through the Second Quarter 1989. No discharge was indicated for all ponds. During the inspection, Pond #8 was discharging a small flow. Mr. Grimes stated he will collect a sample in accordance with the permit.

6. DISPOSAL OF DEVELOPMENT WASTE & SPOIL

As a reminder to the operator, cleanout material from culverts or ditches should be removed to the refuse area as soon as possible upon termination of cleanout activities.

7. COAL PROCESSING WASTE

Refuse pile certification was completed on May 15 & 16, 1989 by the consulting firm of Hansen, Allen, and Luce, Inc. Compaction was indicated as 90% of the maximum dry density, slopes 2h:1v, and piezometers were dry indicating an unsaturated disposal area. Refuse pile inspections were conducted and completed through the Second Quarter 1989.

13. REVEGETATION

In cooperation with the Division, CPMC has established a test plot area adjacent to Pond #2. An area with previous erosional problems was selected to test a soil stabilization product.

16a. ROAD CONSTRUCTION

In order to gain access to the silo belt conveyor counterweight, an access road will have to be build. Prior to construction, an amendment will be submitted by CPMC for approximately 250 feet of a Class III Road.

16b. ROAD DRAINAGE CONTROLS

Drainage controls for the #4 Pond access road have been constructed as required. Other road diversions (berms, etc.) appeared to be functional and in good repair.

INSPECTION REPORT
(continuation sheet)

Page 6 of 6

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Copy of this Report:

Mailed to: Ben Grimes (CPMC)

Mailed to SLC for: Joe Helfrich (DOGM), Brian Smith (OSM)

Filed to: PFO

Inspector's Signature and Number: William A. Warmack #30 Date: Oct. 3, 1989

William A. Warmack 10/3/89