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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
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INSPECTION REPORT

Permittee and/or Operators Name: Utah Power + Light / Mining Division
Business Address: P.O. Box 310 Huntington, Utah 84528
Mine Name: Wilberg / Cottonwood Permit Number: Act/015/019
Type of Mining Activity: Underground X Surface ___ Other ___
County: Emery
Company Official(s): Val Payne Dick Northrup
State Official(s): Dan Duce Phil Ralphs
Inspection Date and Time: 3-3-87 9:00 am - 2:30 pm
Partial: ___ Complete: X Date of Last Inspection: 2-12-87
Weather Conditions: Sunny + Warm
Acreage: Permitted 11508 Disturbed 42.5 Regraded ___ Seeded ___ Bonded 42.5
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			
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	X			
b. DIVERSION'S	X			
c. SEDIMENT PONDS AND IMPOUNDMENTS	X			X
d. OTHER SEDIMENT CONTROL MEASURES	X			X
e. SURFACE AND GROUNDWATER MONITORING	X			
f. EFFLUENT LIMITATIONS	X			
5. EXPLOSIVES	X			X
6. DISPOSAL OF DEVELOPMENT WASTE AND SPOIL			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			X
11. CONTEMPORANEOUS RECLAMATION			X	
12. BACKFILLING AND GRADING	X			
13. REVEGETATION	X			
14. SUBSIDENCE CONTROL	X			
15. CESSATION OF OPERATIONS	X			
16. ROADS			X	X
a. CONSTRUCTION	X			
b. DRAINAGE CONTROLS	X			
c. SURFACING	X			
e. MAINTENANCE	X			
17. OTHER TRANSPORTATION FACILITIES	X			
18. SUPPORT FACILITIES AND UTILITY INSTALLATIONS	X			X

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D) Permits:

The Division is waiting for a letter from O.S.M. on any remaining issues they have from their Mid term review, conducted on 2-25-87. The Division will capsulate all remaining concerns from the midterm reviews after the letter from OSM is recieved. All applicable permits were reviewed

4b) Hydrologic Balance: Diversions

The storage pad area in the right hand fork of Grimes Wash needs the undisturbed drainage berm touched up on the eastern edge of the pad area so it is more defined. Maintance of these areas would best be accomplished later in the spring when soil moisture conditions are more favorable.

4c) Sediment ponds and Impoundments:

During Phil Ralphs inspection on 2-3-87 the lower sediment pond was discharging, and during OSM's midterm mine tour on 2-25-87 the pond was decanting. During this inspection the Pond was approximately 1/3 full and was not decanting. Mr Payne said he had checked the pond twice since the OSM tour to determine where the water had seeped. From his inspection he could not determine where in the pond the water was leaking and where the water was seeping out into Grimes Wash. An ice cap still prevents total exposure of the pond banks to see if there are cracks or sink holes in the pond. This pond has a history of lossing water and developing sink holes. The pond was last lined with a mara-fi fabric and lined with 2 feet of bentonite clay in late 85.

Inspectors Signature, Number and Date: Don Ave #11 3-13-87

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Mr. Payne said he was looking for a die which he could use to determine where the water had seeped. This issue will be monitored closely on following inspections to determine where the water had leaked through the pond, and to insure pond maintance.

4E) Surface and Groundwater Monitoring:

Water monitoring data was present for the last Quarter of 1986. Non-compliance letters were available for all dates where discharge exceeded NPDES effluent limits, this included the dates of 1-15-87, 2-3-87 and 2-23-87 for discharge point 003. The discharge exceeded limits of 700mg/l for TDS on these dates. The high TDS levels are associated with the use of road salt. The operator has applied for increased discharge effluent limits for TDS at 1 ton/day. The operators permit is pending and have a letter from state health for interium discharge at this rate.

6.) Disposal of development waste and spoil:

As-built drawings are finished for cells 7+8 and are awaiting a stamp by a P.E. Waste rock disposal quarterly inspections were available for the last quarter of 1986.

Cells 4 and 5 of the waste rock disposal areas had been sampled before they were spread with topsoil. One sample in cell 4 had a high value for SAR and Ec. This sample was at a depth of 3 feet therefore with the 2 feet of soil coverage this material will be buried to a depth of 4 feet, and should not be a problem for revegetation. In cell 5 three samples have boarder line values which are high for SAR, these materials could

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pose a problem from salt migration if they were clay in texture. Looking at the majority of the refuse it is of a coarse nature. Textureal analysis should be conducted on future analysis to better assess this problem. One sample in cell 5 had a very high SAR and Ec value but this sample was at the 3 foot depth, so again this material should not pose a problem since it will be buried to 4 feet when the 2 foot of topsoil is spread.

Cell #2 had been resampled since previous analysis showed some samples with very high SAR and Ec values. The resampling still verified these high values. Mr Payne and I discussed a more intensive vegetation monitoring program to determine if these materials will have an effect on present vegetation on the reclaimed cell. This program will be followed up on in the following inspection, along with the possible use of other amendments to cap high SAR and Ec refuse.

A soil berm on the inside of cell 7 and 8 on the north end of the cell needs to be seeded. Mr Payne said this would be accomplished later this spring.

9) Protection of Fish, wildlife and related Environmental values

UP&L eagle monitoring report was submitted to the Fish and Wildlife Service on 1-10-87. An amendment to this report was recently completed since spalleding of the cliff face in Newberry Canyon where they are mining the #6th longwall panel has occured. 3 copies of this report was submitted to the Division. The spalleding took out an inactive eagles nest, but the operator was in compliance since they have a take permit issued by the Fish and Wildlife Service. Mining will soon be completed in the #6 longwall panel

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and they will start mining the 7th longwall panel. The 7th is further out from the cliff so more spalleding may occur.

14) Subsidence Control

UP&L Annual subsidence report is due in march

18) Support facilitiies

Near the Salt Storage shed where the coal refuse is stored, before being hauled to the waste rock disposal area, there is a depression where drainage flows before draining to the inlet culvert behind the Salt Storage shed. Since the coal refuse is stored in this depression it will accumulate salts from the drainage water of the area, and is the logical source of salts seen in the Coal refuse. By grading in the depression and routing drainage around the refuse the high Ec and SAR values seen in the refuse may be prevented.

The culvert that drains the area around the coal silo down to the lower coal crushing facilities and truck load out, Needs to be tied into the culvert which carries wash down water from the Silo. The space between the culverts is approximately 3 feet and minor erosion has occured between the two culverts. Mr payne acknowledges the problem and assured its maintance.

Copy of this Report:
Mailed to: Donna Griffin (OSM), val payne (UP&L)
Given to: Joe Helfrich, John White head

Inspectors Signature and Number: Dan Olree #11 3-13-87

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