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File

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
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INSPECTION REPORT

Permittee and/or Operators Name: KAISER COAL CORPORATION
Business Address: P.O. BOX D SUNNYSIDE UT 84539
Mine Name: WELLINGTON COAL PREP. PLANT Permit Number: INA/007/012
Type of Mining Activity: Underground ___ Surface ___ Other PREPARATION PLANT
County: CARBON
Company Official(s): LYNN HUNTSMAN
State Official(s): DAVID LOF + JAMES LEATHERWOOD
Inspection Date and Time: 6/18/86 9:30-12:00
Partial: X Complete: ___ Date of Last Inspection: 5/7/86
Weather Conditions: MOSTLY CLEAR + HOT
Acreage: Permitted 1720 Disturbed 356 Regraded 1.5 Seeded 1.5 Bonded 469
Enforcement Action: NONE

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

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

INSPECTION REPORT
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Permit Number: INA/007/012 Date of Inspection: 6/18/86

COMMENTS

(Comments are Numbered to Correspond with Topics Listed Above)

2. SIGNS AND MARKERS

THE OPERATOR HAS POSTED A NEW COMPLETE MINE I.D. SIGN FOR THE SLURRY IMPOUNDMENT AREA.

3. TOPSOIL

See Appendix A

13. Revegetation

See Appendix A

4.C. SEDIMENT PONDS

THE OPERATOR HAS RECONSTRUCTED THE SPILLWAY OF THE SLURRY PIPELINE POND TO MEET THE DESIGN SPECIFICATIONS. THE SPILLWAY IS NOW LARGE ENOUGH AND IT IS EXTENDED ALL THE WAY DOWN TO THE RIVER. THE SPILLWAYS' RIPRAP WAS CEMENTED IN PLACE. THE OPERATOR WILL STILL NEED TO SEED THE POND AREA THIS FALL.

Copy of this Report:
Mailed to: DOUG PEARCE - KAISER COAL, DONNA GRIFFIN - OSM
Given to: JOE HELFRICH, SUE LINNER & JAMES LEATHERWOOD

Inspectors Signature and Number: David [signature] #4 7/7/86 [signature] 7/8/86

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Appendix A
June 27, 1986

3. TOPSOIL

Prior to Kaisers purchase of US Steel's Wellington Coal Preperation Plant, US Steel constructed a sediment pond near the plant site (The Road Pond). The soil material was excavated and stored aside the sediment pond. No grading has been done with the soil material since that time. The soil material is described in the operator's permit application as a "spoil pile" of materials excavated from the Road Pond (see pg. 784-8, REV. 1: 6-30-83 and map E9-3341).

The questionability of this material as a suitable substitute topsoil has been raised. Four soil samples where taken by the Division to determine suitability of this material as a substitute topsoil. The samples were analyzed for electrical conductivity (EC), pH, and texture and rated with DOGM substitute topsoil suitability limits, Table 2, Draft Guidelines for Managemant of Topsoil. The following data and ratings where determined:

Sample	EC (mmho/cm)	Rating	pH	Rating	Texture	Rating
AO-12"	8.9	Fair	8.2	Fair	scl	Good
12-36"	8.9	Fair	8.1	Fair	scl	Good
36-54"	8.9	Fair	8.2	Fair	scl	Good
BO-12"	8.7	Fair	8.1	Fair	scl	Good

Soil Series: Billings-Bunderson Complex, 1-3% slope, eroded

The Division has rated this material to be fair, thereby determining this material a suitable topsoil substitute. Kaiser Coal maintains that this material is not needed as a substitute topsoil and that it will only be used as fill material for the Road Pond upon final reclamation. However, the operator has agreed to conform to UMC 817.11(g) and UMC 817.23. The substitute topsoil material will be regraded, bermed and an identification sign will be placed on the stockpile within 60 days. The operator must revegetate the stockpile with the approved seed mix in the fall season of this year.

13. REVEGETATION

Test Plots

All test plots were inspected for vegetation success and vigor. The present drought conditions were evident in all experimental treatments. Visual inspections of various soil sample sites (at a depth not exceeding eight inches) indicated an extremely dry soil status. Moisture was prevalent directly adjacent to a few of the sprinkler heads. The vegetation had signs of drought stress. Accordingly many of the new seedlings were stunted and lacked vigor. Kochia was the primary vegetation doing well on the test treatments. Kochia was approximately (visual estimate) eighty percent of the present cover. There was no evidence of greater vegetation success on the irrigated test treatments than that of the non-irrigated treatments. The approved expermental design included an irrigation program implementation at five to ten day intervals during dry conditions. Based on the dryness of the top eight inches of soil and the drought stress conditions of the vegetation, the Division has deemed that the approved irrigation schedule has not been followed. The Division recommends that Kiaser Steel initiate the approved irrigation plan immediately. The Division has determined that a thorough investigation be carried out in the spring of 1987. This investigation will determine the success of the spring-summer drought stressed seedlings. If the Division finds that vegetation not to be in a succesive stage to conduct a viable test program, Kaiser shall reseed the following fall season. A more stringent irrigation schedule will be implemented if the test plots are reseeded. The Division recommends that Kiaser monitor the soil moisture closely. Tensiometers may be used to determine the matric potential of the soil.

Revegetation Site

Vegetation growth at the site was fair. Four-wing saltbrush, yellow sweetclover, wheatgrasses, flax, liliceace, Brassica and desert trumpet was sighted. The desert trumpet basel leaves look similar to violet leaves. This may have been the unknown plant identified on the May 02, 1986 site visit. Many areas are void of vegetation. This site should be monitored closely this summer and may require supplemental seeding this fall.