



0009

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Jale

gpd

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

INSPECTION REPORT

INSPECTION DATE & TIME: August 11, 1987
9:00 a.m. to 4:30 p.m.

Permittee and/or Operators Name: Kaiser Coal Corporation
Business Address: P.O. Box D Synnyside, Utah 84539
Mine Name: Synnyside Permit Number: ACT/007/007
Type of Mining Activity: Underground Surface Other
County: Carbon
Company Official (s): Barry Grosely
State Official(s): Bill Malencik and Jim Fricke
Partial: Complete: Date of Last Inspection: July 17, 1987
Weather Conditions:
Acreage: Permitted 14,535 Disturbed 287 Regraded Seeded Bonded 287
Enforcement Action: None; maintenance work target completion date Sept. 30, 1987, 5:00 p.m.

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	<u>YES</u>	<u>NO</u>	<u>N/A</u>	<u>COMMENTS</u>
1. PERMITS	(X)	()	()	()
2. SIGNS AND MARKERS	(X)	()	()	()
3. TOPSOIL	(X)	()	()	()
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	(X)	()	()	(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)	()
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)	()	()	()
14. SUBSIDENCE CONTROL	(X)	()	()	()
15. CESSATION OF OPERATIONS	()	()	(X)	()
16. ROADS				
a. CONSTRUCTION	(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 4

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION August 11, 1987

(Comments are Numbered to Correspond with Topics Listed Above)

GENERAL INFORMATION/SUMMARY:

The Sunnyside mine site and contiguous areas received a high intensity storm that exceeded the 10 year/24 hour storm event and the design standards for environmental work. The areas below the tipple received the brunt of the storm that hit on August 7, 1987. Runoff in the Icelander drainage was also indicative of the high intensity storm. Hydrologist J.R. Fricke has calculated the storm intensity based on the rainfall measurements at the mine site, runoff, and other pertinent information. This has been reduced to writing and by reference is part of this inspection report.

The mine company had started work in the Icelander wash area. Considerable work has to be undertaken associated with the storm, particularly as related to erosion control and drainage systems. This work should be completed by September 30, 1987.

4a. STREAM CHANNEL DIVERSIONS:

Several stream channel diversions need to have erosion protection replaced.

4b. DIVERSIONS:

The storm caused some gully erosion in the disturbed drainage system below the tipple and above the new sediment pond. The slopes on the ditches need to be dressed up, erosion protection provided, and drainage rediverted away from the railroad tracks. Below the culvert apron, erosion protection should be provided.

Coarse refuse ditch near new pond and in close proximity to sanitary land fill should have berm reconstructed to divert runoff into the new sediment pond.

Copy of this Report:

Mailed to: Barry Grosely, KCC; Donna Griffin, OSM

Given to: Joe Helfrich, DOGM

Inspectors Signature and Number: Wm. J. Malencik #26 Date: August 18, 1987

INSPECTION REPORT
(continuation sheet)

Page 3 of 4

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION August 11, 1987

(Comments are Numbered to Correspond with Topics Listed Above)

4c. SEDIMENT PONDS:

Water sample was taken at the discharge end of the pipe on sediment pond 002. The estimated discharge was 150 gpm based on a timed bucket measurement.

Since some of the bushes are growing on the fill embankment, the company should evaluate this as related to bank stability. In the event that such bushes would adversely affect pond stability, such bushes/trees should be controlled and/or eliminated.

New pond contains water. On August 10, 1987, the company sent a letter to EPA requesting an NPDES permit for the new pond. The pond has not discharged. The storm has caused some small gullies to form on the pond embankments. Protection should be provided to divert the runoff through berming and/or bank protection until vegetation can become established.

Pasture pond discharged and needs riprap protection.

4d. OTHER SEDIMENT CONTROL:

Silt fences require maintenance. This is a general statement, but silt fences below the tipple all need attention.

4e. WATER MONITORING:

Water monitoring records were reviewed and found to be in order.

7. COAL PROCESSING WASTE:

The area adjacent to the new pond needs to have the berms beefed up. Also on the main refuse pile, a berm had failed. This caused large washout; however, all the washout material was contained to the same refuse pile, but at the lower level. The pile should be redressed and berm reconstructed.

Inspectors Signature and Number: Wm. J. Malencik #26 Date: August 18, 1987

INSPECTION REPORT
(continuation sheet)

Page 4 of 4

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION August 11, 1987

(Comments are Numbered to Correspond with Topics Listed Above)

16. ROAD DRAINAGE CONTROL:

A 7.5 foot concrete culvert on Icelander wash handled the runoff. However, the riprap that had been installed was no longer evident. The Icelander wash area where existing culverts show erosion at the outlet are in need of protection such as downspouts. Deposition had taken place in several channel areas. This endangers the future effectiveness of culverts. Such deposition of rocks and debris should be cleaned to a level to provide effective drainage above and into the culverts.

Inspectors Signature and Number: Wm. J. Malencik #26 Date: August 18, 1987