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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SCL
[Signature]

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

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

INSPECTION REPORT

INSPECTION DATE & TIME: September 12, 1989
10:00 am to 3:00 pm

Permittee and/or Operators Name: Utah Fuel Company
Business Address: P. O. Box 719 Helper, Utah 84527
Mine Name: Skyline Mine Permit Number: ACT/007/005
Type of Mining Activity: Underground Surface Other
County: Carbon
Company Official (s): Bill Shriver
State Official(s): David Darby
Partial: Complete: Date of Last Inspection: August 30, 1989
Weather Conditions: Cloudy with light rain
Acreage: Permitted 4,834 Disturbed 75.9 Regraded Seeded Bonded 75.9
Enforcement Action: None

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

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



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INSPECTION REPORT (continuation sheet)

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PERMIT NUMBER: ACT/007/005

DATE OF INSPECTION Sept. 12, 1988

(Comments are Numbered to Correspond with Topics Listed Above)

1. Permits

The Division has recently conducted a 5-year technical deficiency review of Skyline's Mining and Reclamation Plan (MRP). Deficiency comments were sent to the operator on September 12, 1989.

4. Hydraulic Balance-Sedimentation Ponds

Both sedimentation ponds, at the mine pad and loadout, contained water. A small amount of water was being discharge from the mine pad pond. No samples were taken due to the small amount of discharge and clarity of discharged water. The loadout pond was not discharging.

11. Contemporaneous Reclamation

Bill Shriver pointed out a piping network in Eccles Canyon whereby Skyline is employing a system of polyurethane pipe and special nozzles to create fine spray mists for watering plants on steep canyon slopes for vegetation reclamation. The project will be tested to see if the fine mists will help give vegetation a foothold without washing the slope away. Alternating applications of spray are planned to encourage root growth and stabilize slopes.

14. Subsidence Control

I discussed mitigation measures for subsidence control with Mark Bunnell, Geologist at the Skyline Mine. We discussed to possibility of obtaining borehole core samples from some of their stock to analyze for montmorillonite type clays in overburden, especially shale members. Clay expansion has been suggested as a means of mitigating fractures developed in mines where full seam extraction causes caving. Analyses of clay contents will show the amount of clays available for sealing fractures.

Three cores may be available for analyses to show the clay content of facies between coal zones. The core samples depict the interval of strata just above, throughout and just below the coal zone. Ideally, clay samples should be collected from the shale members above the coal seams which could be intercepted by fracturing.

Copy of this Report:

Mailed to: Keith Zobell-Utah Fuel, John Kathmann-OSM

Given to: Joe Helfrich and Sue Linner-DOGM

Inspectors Signature and Number: *Donald W. Daly #18* Date: Sept. 20, 1989