



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

April 18, 1985

CERTIFIED RETURN RECEIPT REQUESTED
(P402 457 125)

Mr. Wesley K. Sorensen
Chief Engineer
Southern Utah Fuel Company
P. O. Box P
Salina, Utah 84654

Dear Mr. Sorensen:

RE: Conditional Approval for Abatement Plans, NOV N85-6-4-1,
SUFCO Parking Lot Drainage Plan, Convulsion Canyon Mine,
ACT/041/002, #4 and 7, Sevier County, Utah

The Division has completed the review of the abatement plans submitted by Southern Utah Fuel Company (SUFCO) for Notice of Violation (NOV) N85-6-4-1 received March 14, 1985. This submittal requests approval to drain the south end of the parking area near the office facilities to the existing sedimentation system.

The applicant has submitted calculations which demonstrate the pond is able to contain the 10 year, 24-hour rainfall event. A joint decision was made with the Office of Surface Mining (OSM) to allow SUFCO to demonstrate through monitoring (Stipulation UMC 817.46-RS/OSM) that the pond system can indeed function adequately. Based on SUFCO's calculations, this parking area can be added to the pond system and still meet the volume requirements. Approval is, therefore, granted for this proposal.

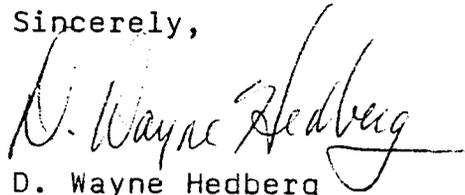
Presently, the Division is reviewing the proposed stipulation and the monitoring requirements of that stipulation will probably be revised to some extent. The operator will be

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Mr. Wesley K. Sorensen
ACT/041/002
April 18, 1985

formally notified of the extent of any revision to this stipulation upon completion of our review of the same. OSM will be involved in any resulting changes which may be necessary.

Should you have any questions or comments pertinent to this review, please contact me or Rick Summers of the technical staff.

Sincerely,



D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

REVIEW CHRONOLOGY:

- | | |
|------------------------|-------------------|
| A. Operator Submittals | B. DOGM Responses |
| 1. December 27, 1984 | 1. April 18, 1985 |
| 2. March 14, 1985 | |

DWH/btb

cc: Allen Klein
 Lowell Braxton
 Bart Kale
 Sue Linner
 Rick Summers
8992R-73-74



**Southern Utah
Fuel Company**

P.O. Box P
Salina, Utah 84654
(801) 529-7428
(801) 637-4880 (Mine)

Subsidiary of
Coastal States
Energy Company

March 14, 1985

RECEIVED

MAR 14 1985

DIVISION OF OIL
GAS & MINING

Mr. Wayne Hedberg
Division of Oil, Gas, & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Mr. Hedberg:

Southern Utah Fuel Company herewith further requests Division approval of drainage modifications made to the south end of our parking lot during November 1984. A previous request was submitted as an addition to our M&RP, Volume 8, on December 27, 1984. Your approval is required on or before March 25, 1985 in order to abate NOV N85-6-4-1 issued March 12, 1985 by Barton Kale.

The following information is provided for your further consideration. The total area of all the surface facilities including the south end of the parking lot was included in the ATOF (area top of fill) category in Merrick's hydrologic work in 1979, Exhibit 9, Volume 2 of the M&RP. The same ATOF hydrologic data including the south end of the parking lot was used by Valley to design the current sediment pond in 1980, Drainage/Sediment Control, Volume 6 of the M&RP. A request for a small area exemption for the south end of the parking lot was approved by Rick Summers of DOGM on October 31, 1983 because of difficulties associated with draining water from the area to the sediment pond. During the construction of the Hilfiker retaining wall last fall, it became apparent that some cut material would be left over from the construction. This material was planned to be compacted behind the wall, but because of poor compaction characteristics, more imported material was used than planned thus leaving an excess of cut material. Rather than haul the material away for disposal, raising the south end of the parking lot was discussed with Susan Linner of DOGM. This solution had the additional benefit of improving the parking lot drainage problem. Instead of continuing with silt fence and straw bale maintenance, we could now route drainage through the sediment pond for more reliable treatment. Drawings showing the regraded drainage and elimination of the small area exemption were submitted to the Division on December 27, 1984 immediately after construction was completed showing the revised as-built configuration of the parking lot and Hilfiker retaining wall for inclusion into the M&RP, Volume 8.

The ATOF has the following calculated design values:

- Acres: 12.0
- Runoff volume: 0.49 Ac. Ft. for a 10 year, 24-hr. event
- Peak flow: 9.2 cfs

The south end of the parking lot included in the above values has the following calculated contribution to the ATOF design values:

- Acres: 0.97
- Runoff volume: 0.09 Ac. Ft. for a 10 year, 24-hr. event
- Peak flow: 1.10 cfs

In summary, the sediment pond was designed to handle all the ATOF which included the south end of the parking lot. The pond was shown to meet the design criteria in the July 15, 1983 submittal to DOGM. A small area exemption was granted for the south end of the parking lot October 31, 1983 by the Division. The drainage of the south end of the parking lot was modified to drain into the sediment pond during November 1984. As-built drawings of the area were submitted to the Division on December 27, 1984 for inclusion in the M&RP. A copy of the submittal is enclosed.

Seven copies of this submittal are provided for your distribution and inclusion in our M&RP Volume 8.

Sincerely,
SOUTHERN UTAH FUEL COMPANY



Wesley K. Sorensen
Chief Engineer

WKS:cfc

Enclosures

xc: Bart Kale w/o enclosures

Ken Payne
General Manager



**Southern Utah
Fuel Company**

P.O. Box P
Salina, Utah 84654
(801) 529-7428
(801) 637-4880 (Mine)

Subsidiary of
Coastal States
Energy Company

December 27, 1984

Mr. Wayne Hedberg
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Mr. Hedberg:

Enclosed is a revised Mine Drainage Diversion Map 83-2. This map has been updated to show the elimination of the "South Parking Lot" small area exemption. Also included are a plan view and cross sections of the recently completed retaining wall showing its location with respect to the office building.

During construction of the Hilfiker retaining wall behind our office building, it was feasible to raise the grade of the south parking lot so that it will drain through the sediment control facilities. The area was included in the pond sizing calculations. This drainage change was discussed by telephone with Susan Linner before the grade was raised. Also, see Barton Kale's Coal File, Inspection and Enforcement memo dated December 3, 1984. The construction on the retaining wall was completed November 21, 1984.

Please insert these new exhibits in your copies of our Mining and Reclamation Plan to keep it current.

Sincerely,
SOUTHERN UTAH FUEL COMPANY

Ken Payne
V. P. & General Manager

WKS:cfc

Attachments

xc: Darrel Hintze, USFS