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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & MiningScott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 30, 1984

Mr. Vernal Mortensen
Vice President, Utah Operations
Coastal States Energy Company
Midvale, Utah 84047#2
RE: Stipulation Response
Southern Utah Fuel Co.
Convulsion Canyon Mine
ACT/041/002
Sevier County, Utah

Dear Mr. Mortensen:

The Division has reviewed Southern Utah Fuel Company's (SUFCO) response to Stipulation 817.56(1-5)-DD, dated January 25, 1984, and has determined that the information supplied by SUFCO is not sufficient to adequately address the reclamation aspects of the fill area.

The following information is required by the Division to further evaluate the feasibility of reclaiming the fill area.

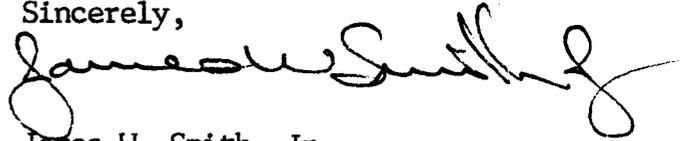
- SUFCO should submit the information used to derive the retention values of the matting and mulching materials.
- Since the matting and mulching will control only 80 to 90 percent of the sediment, SUFCO should submit information showing that the sediment reaching the stream channel is not in excess of the amount generated if mining had not occurred.
- SUFCO's proposal to use grouting with riprap is not acceptable to the Division. Using grout with riprap would create a permanent and unnatural structure. The Division suggests that SUFCO implement design procedures outlined in the "Surface Mining Water Diversion Design Manual" (a loan copy will be sent to Wes Sorenson) to determine distribution and gradation of the proper riprap size to be used in the main stream channel and tributary side channels. Designs should be implemented to control runoff velocities generated during a 100 year-24 hour precipitation event.

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- SUFCO should consider reducing the final gradient slopes on sections 5 and 6 to decrease the size of riprap that must be used to control the velocities generated during the 100 year-24 hour precipitation event.
- All designs must be certified by a registered professional engineer.

Please submit a response to these concerns by May 18, 1984. Should you have any questions contact me, Sue Linner or David Darby of my staff.

Sincerely,



James W. Smith, Jr.
Administrator
Mineral Resource Development
and Reclamation Program

JWS/DD: jvb
85980

cc: S. Manger, OSM, Denver
D. Darby, DOGM
R. Summers, DOGM
S. Linner, DOGM