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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
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4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

July 6, 1984

Forest Supervisor
Fishlake National Forest
115 E. 900 N.
Richfield, Utah 84701
Att: Mr. Dee Thomas

Dear Sir:

RE: Mine plan Addendums , Southern Utah Fuel Company, Mine No. 1, ACT/041/002, Folder #2 & 3, Sevier County, Utah

Enclosed are copies of the last two (2) submittals from Southern Utah Fuel Company (SUFCO). These submittals deal with the Final Reclamation plan for the Convulsion Canyon Mine.

The first submittal, dated 2 April, 1984, contains a description of the regrading plan for the mine pad and stream channel restoration. The second submittal, dated 11 May, 1984, contains an evaluation of sediment loss for pre- and post-mine conditions and a design of the riprap specified for the restoration of the stream channel.

The Division of Oil, Gas, And Mining is especially concerned about the proposed restoration of the lower section of the stream channel. Channel slopes for stream stretches 5 and 6 are 20% for 350 feet and 37% for 155 feet, respectively (see Design Plan 2 from the 2 April, 1984 submittal). Design flow for the restored channel is 1250 CFS (peak runoff from a 100 Yr.-24 Hr. storm). For such a flow, the Division is concerned about the long term stability of the restored stream channel.

The methodology presented in the second submittal dealing with riprap design is new and little information is available regarding it. Enclosed are two papers, one supplied by the consultant and one from an ASCE publication. The Division Hydrology staff has some concerns regarding the applicability of this methodology to the SUFCO site.

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Forest Supervisor
July 5, 1984

I appreciate your willingness to review these plans on a short time frame. If you should have any questions, please call either me or Rick Summers.

Sincerely,



Thomas J. Suchoski
Reclamation Hydrologist

Attachment

cc: Allen Klein, OSM, Denver
Darrel Hintze, USFS, Fishlake N.F.
Susan Linner, DOGM
Rick Summers, DOGM
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