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STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

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

November 4, 1982

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Mr. Kerry A. Frame, Chief Engineer
Southern Utah Fuel Company
P. O. Box P
Salina, Utah 84654

RE: Monitoring Seasonal Variations
Convulsion Canyon Mine
ACT/041/002
Sevier County, Utah

Dear Kerry:

The Division has reviewed your request to discontinue the streamflow gaging station at the mouth of the North Fork of Quitcupah Creek (site 042).

The information presented in the mining and reclamation plan (MRP) indicates that the data to establish seasonal variation have not been completely collected. Although information has been presented to establish annual water yields through the use of regression techniques, it has not been shown how the calculated streamflows correspond to the collected data.

The Division believes that this site (042) is an important location and should be monitored; however, we do not require that a continuous recorder be installed. We do request, as with all monitoring sites (including ground water), that the seasonal variation be established, and water quality samples be accompanied with discharge or flow measurements (if possible).

It is recommended that seasonal variations be established either by direct measurements or by establishing the correlation between the collected data and calculated flows for the monitoring sites.

Upon acceptance of established seasonal variations at water monitoring sites, the Division will make a decision as to the operational collection frequency.

Mr. Kerry A. Frame, Chief Engineer
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If you have any questions or if we can help you in any way, please feel free to call me or Dave Darby of my staff.

Sincerely,



JAMES W. SMITH, JR.
COORDINATOR OF MINED
LAND DEVELOPMENT

JWS/DD:btb

cc: Daryl Hintze, USFS
Allen Klein, OSM
Dave Darby, DOGM
Ken Wyatt, DOGM
Wayne Hedberg, DOGM
Sue Linner, DOGM