



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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January 18, 1990

TO: Susan Linner, Permit Supervisor

FROM: Mike DeWeese, Reclamation Hydrologist *MD*

RE: Operator Response, Mid-Permit Term Review, Southern Utah Fuel Company, Convulsion Canyon Mine, ACT/041/002, Folder #2, Sevier County, Utah

SUMMARY:

The operator's response to the Division's Mid-Permit Term Review document, received January 18, 1990, has been reviewed. The submitted document is technically adequate.

ANALYSIS:

UMC 817.46 Hydrologic Balance: Sedimentation Ponds - MMD

UMC 817.49 Hydrologic Balance: Permanent and Temporary Impoundments - MMD

The operator has submitted two copies of Drawing 83-5 which are certified by a registered professional engineer. The operator's response is adequate.

UMC 817.52 Hydrologic Balance: Surface and Ground Water Monitoring - MMD

Table 3 of the 1981 submittal has been revised to indicate that sample sites 022 and 033 will have crest gages and automatic samplers installed. The operator states that samples will be collected by automatic devices or manually by mine personnel during flow events. Mine personnel should collect these samples whenever possible. However, if qualified personnel are physically unable to access the site during a flow event, the automatic samplers will still provide a sample. Thus, some useful data can be obtained from runoff events even when no one is available to collect a sample.

Sample sites 060, 061, and 062 #1 entry - 2N have been removed from Table 3 (sampling schedules) because they are no longer accessible.

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The operator's water quality data base has been revised to provide a consistent labeling method for the waste rock disposal wells.

Discharge data for sample site 021 from May 1983 to present has been submitted. Discharge data from site 062 has not been collected on a regular basis due to the difficult nature of sample collection from an in-mine fault system. The operator has developed a roof seep collection system using suspended tarpolines which will concentrate the flow to a single point. Flow data will be collected along with chemical quality data from this site in the future.

The operator's response to the deficiencies enumerated under this regulation are adequate.

RECOMMENDATIONS:

The operator has adequately responded to all outstanding deficiencies identified in the Division's December 21, 1989 review document. The Division therefore recommends that the Mid-Permit Term Review be determined complete.

cc: S. Linner
D. Darby
BT6033/9-10