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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

Oct. 5, 1990

Mr. Ken Payne, Manager
Southern Utah Fuel Company
P. O. Box P
Salina, Utah 84654

Dear Mr. Payne:

Re: Deficiencies, Ventilation Portal Amendment, Southern Utah Fuel Company, Convulsion Canyon Mine, ACT/041/002-90D, Folder #3, Sevier County, Utah

The submittal received on September 17, 1990 regarding the above-noted permitting action was reviewed and found to be inadequate by Rick Summers of the Division's technical staff.

The Division cannot approve the new portal breakout until the deficiencies outlined in the attached memo are satisfied. Please submit the required designs and calculations by October 26, 1990.

Thank you for your cooperation in resolving this matter.

Sincerely,

A handwritten signature in cursive script that reads "Daron R. Haddock".

Daron R. Haddock
Permit Supervisor

djh
cc: R. Summers
L. Kunzler
BT46/58



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October 4, 1990

TO: Daron Haddock, Permit Supervisor

FROM: Rick P. Summers, Senior Hydrologist *RPS*

RE: Review Modified Ventilation portal designs (received September 17, 1990), ACT/041/002-90D, Convulsion Canyon Mine, Southern Utah Fuel Co., ACT/041/002, Sevier County, Utah

Summary:

The above reference submittal is a revision of a portal breakout approved by the Division in 1988. The hydrology review was performed at that time by Division employee Kent Wheeler. That approval did not include the proposed two culverts for the project designed to pass the 100 yr. - 24 hr. precipitation event. The approval did include the use of alternative sediment control measures for sedimentation control.

Conversations with Wes Sorensen of Sufco (9/25/90) verified that the only hydrology related changes proposed with this submittal will be the enlargement of the pad from 0.25 acres to 0.5 acres and the proposed installation of the culverts. This increase will not affect the previous alternative sediment control area approval.

The culvert and peak flow designs were not submitted and therefore, no review of these designs was done at this time. These designs should include peak flow calculations with assumptions, culvert capacity calculations, outlet velocity and energy dissipator designs, and inlet protection and trash rack installation details.

Reclamation plans for the removal of the culverts and restoration of the channels were also not submitted. These should be submitted for review and approval. I do not recommend approval for this proposal relative to surface water hydrologic concerns.

RPS/jbe
cc: Dave Darby
BTSUFDOBRE