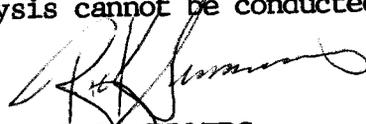


September 8, 1983

Memo to Coal File:

RE: Peak Flows for September 15,
1983 Modification
Southern Utah Fuel Company
Convulsion Canyon Mine
ACT/041/002, Folder Nos. 2 & 3
Sevier County, Utah

A recent submittal by Southern Utah Fuel Company (SUFCO) which proposed several modifications to the drainage system at the Convulsion Canyon Mine lacked the correct design peak flows for design of the diversion or culvert size. As a result of reviewing the submitted proposal, the correct calculations were performed. Rather than have SUFCO resubmit the calculations it was decided to give the peak flow values to the operator and have him redesign the sizes accordingly. The applicant had stated in the July 1983 Determination of Completeness (DOC) response that calculations would be forthcoming. A call to Wes Sorensen of SUFCO on September 3, 1983 revealed that a consultant had not yet been hired to perform the work. The resulting contracting, correspondence with our office and reviewing may have delayed the review schedule substantially. It was, therefore, decided to supply the calculations to the operator in order to expedite the review and try to meet our review schedule. The values were calculated using the Soil Conservation Service (SCS) hydrograph methodology as incorporated into the University of Kentucky's SEDIMOT II computer model. Assumptions and calculated inputs are attached to this memo. The July 1983 submittal (DOC response) is technically inadequate due to the lack of these design details and calculations for these areas and, therefore, the Technical Analysis cannot be conducted or completed until the submittal of these designs.



RICK SUMMERS
RECLAMATION HYDROLOGIST

RS/btb

cc: D. Darby, DOGM
S. Linner, DOGM
R. Summers, DOGM