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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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March 4, 1992

TO: Daron Haddock, Permit Supervisor

FROM: Rick P. Summers, Senior Hydrologist 

RE: Review Waste Rock Drainage Plan Modification (received February 14, 1992), Southern Utah Fuel Company, Convulsion Canyon Mine, ACT/041/002, Folder #2, Sevier County, Utah

SUMMARY

The above referenced proposal includes the addition of two diversions and a grading plan for the waste rock area to control the drainage from the surface of the waste and the out slopes of the pile. The diversions were sized to pass the peak flow from the 100 yr. - 6 hr. precipitation event. The portion of the diversion located on the out slope of the pile will require 6 inch riprap protection, otherwise the diversions are designed with velocities less than 3.5 fps. A berm will be constructed at the top of the waste pile to route the drainage to the proposed diversions. The grading plan calls for reconstruction of the berm and a 2% grade for each successive lift of waste. As the waste pile increases laterally the toe diversion will be reconstructed to ensure adequate drainage. All diversions report to the sedimentation pond for treatment of the drainage. The sediment pond was originally sized to treat this area.

I recommend approval of this proposal.

cc: Steve Demczak, PFO
SUFWASTE.RS