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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

file 10/2/87

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 2, 1987

TO: John Whitehead, Permit Supervisor

FROM: James R. Fricke, Reclamation Hydrologist *JRF*

RE: Review of Cottonwood Creek Alignment Plan, Beaver Creek Coal Company, Trail Mountain Mine, ACT/015/009, Folder #2, Emery County, Utah

The operator's response to the Technical Memo dated September 18, 1987 requires additional information on the riprap design.

The additional information could incorporate the following:

Riprap

Two-inch minus riprap gravel road base will be used as a filter beneath all riprap. The depth of road base will be six inches at a minimum. The riprap will be composed of well-graded angular rock. Median diameter (D50) of the riprap will be 1.4 feet. Design methodologies for riprap are presented in Appendix 7-25 and 7-27 of the Trail Mountain Tract 1 MRP.

djh
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