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November 25, 1980

Mr. Tom Rice
Trail Mountain Coal Company
P. O. Box 370
Orangeville, Utah 84537

RE: Runoff Control Plan
Trail Mountain Mine
Trail Mountain Coal Company
ACT/015/009

Dear Mr. Rice:

On October 22, 1980, members of the Division staff, the Office of Surface Mining and the U. S. Forest Service, Manti-LaSal National Forest, met with Mr. Dan Hanna of your staff. The purpose of the meeting was mainly to discuss the runoff control plan for the Trail Mountain Mine. At the conclusion of the meeting, Mr. Hanna was informed that the Division would forward, by letter, a complete list of the requirements to address the runoff control from the minesite. In response, the following items are needed before the runoff control plan can be approved:

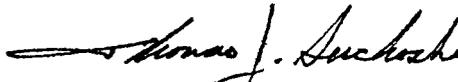
- 1) Runoff from undisturbed areas needs to be diverted away from the sedimentation pond. In order to reach this goal, a ditch along the highwall and a by-pass culvert is needed. The ditch along the highwall would divert runoff from the undisturbed area above the highwall into natural drainages north and south of the portal. A 48-inch culvert needs to be installed in the drainage north of the portal. Runoff from the area around the powder magazine can be treated with alternative erosion control methods (i.e., revegetation, straw filters, etc.).
- 2) Trail Mountain must demonstrate the adequacy of the size of the pond. Trail Mountain should take into account the fact that most of the runoff from undisturbed areas which formerly flowed into the pond is now to be diverted away from the pond.
- 3) Information is needed as to what controls Trail Mountain plans to install in order to control erosion at the inlets and outlets to the pond.

Mr. Tom Rice
ACT/015/009
November 25, 1980
Page two

- 4) Trail Mountain needs to insure that the outslopes of the sedimentation pond will be stable through the peak runoff resulting from the 50-year, 24-hour precipitation event. It is suggested that large riprap be installed on the outslope to a height of 10 feet from the bottom to the embankment.
- 5) Because the sedimentation pond has side slopes greater than slopes allowed by regulation, a stability analysis must be performed on the embankment. If the analysis shows that the embankment is stable (static safety factor of 1.5 or greater), then no reduction in slope will be necessary.
- 6) The berm on the east side of Cottonwood Creek must be maintained and stabilized. This is presently done through the use of some riprap and a revegetation program. If the water monitoring program or visual inspections show that the creek is eroding, the berm, additional controls may be necessary.

If you have any questions, please call Jim Smith or Wayne Hedberg.

Sincerely,



THOMAS J. SUCHOSKI
ENGINEERING GEOLOGIST

cc: Don Crane, OSM
Dan Hanna, Trail Mountain
Dave Mills, Fetterolf Group
John Niebergal, USFS, Manti-LaSal NF; Ferron Ranger District

TJS/btm