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Consulting Engineering & Land Surveying
Castle Dale, Utah 84513

June 29, 1979

State Of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, UT 84118

ATTN: Ronald Daniels

RE: Trail Mountain Coal Company
Surface Drainage Design

Dear Mr. Daniels,

Enclosed are seven copies of the surface design for Trail Mountain Coal Company.

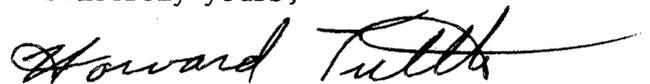
Also enclosed is a copy of the storm hydrograph for Cottonwood Canyon, based on a 100 year storm for the area, that will drain into the 48" culvert and sediment pond. To obtain the acre feet entering the sediment pond, subtract the sub area from the total area.

The sediment pond has been designed for total containment, to contain the 100 year storm, with only one spillway which is the Emergency Spillway.

I have not had a hydrograph run of the 10 year storm, but this pond would contain several 10 year storms that were back to back.

Please review the drawings and give me your comments.

Sincerely yours,



Howard Tuttle

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cc
enclosures

