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STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 25, 1983

Mr. Dan W. Guy
Manager of Permitting and Compliance
Beaver Creek Coal Company
P.O. Box AU
Price, Utah 84501

#3

RE: Waste Rock Disposal
Modification
Beaver Creek Coal Company
ACT/007/016
Carbon County, Utah

Dear Mr. Guy:

The Division Staff has reviewed Beaver Creek Coal Company's plan for a waste rock disposal modification, submitted January 3, 1983, and has determined that before approval can be granted the following information must first be provided:

UMC 784.19

(b)(3) A map showing the approximate extent of old mine workings with the proposed waste rock disposal site superimposed depicting the extent that this area is undermined should be provided.

Please indicate the average thickness of the subsurface strata between the mined out Hiawatha seam and the surface as well as the thickness of the mined out seam.

UMC 817.43

Design dimensions for the berm to be constructed upslope of the waste rock pile should be submitted.

UMC 817.71

(c)(f) The applicant mentions procedures to be used in establishing vegetation on the completed waste rock pile such as, "upon completion of final contouring, the area will be reseeded" and "revegetate the pile upon completion". Will the area receive topsoil or substitute materials as described in UMC 817.22 (e)? If not, how will a vegetative cover compatible with the post-mining land use be achieved under UMC 817.133 (c)(5)? Will demonstrations of the capability to achieve the stated land use through successful reclamation be attempted per UMC 817.133 (c)(2)?

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(e)(2) From the stockpile configuration on the map, it appears that the toe of the waste rock pile rests on a downslope, therefore stability analyses should be performed in accordance with UMC 784.19 to determine the size of the rock toe buttresses.

UMC 817.74

(b)(1) It appears that this waste rock pile composition was determined as hard rock spoil with 85% sandstone and 15% shale. Please explain how this determination was made. What tests were performed? As stated in this section, parameters for stability analyses shall be based on adequate field reconnaissance, subsurface investigations, including borings and laboratory tests.

These tests will have an effect on the stability analyses. As the stability analysis was calculated, it was found to be incorrect. It is important that the assumptions be right for a viable stability analysis. Using the assumptions given, the minimum safety factor is 1.39, with a maximum safety factor of 2.25. Please clarify.

UMC 817.11 - .117

Please submit a specific revegetation plan for permanent reclamation in accordance with UMC 817.111 - .117. Include species to be used, rates of seeding, rates of mulching, management plans to help ensure success of reseeding, etc.

The Division's review of this modification will proceed upon receipt of this additional information. If you have further questions or comments, please contact me.

Sincerely,

for
STEVEN COX
RECLAMATION BIOLOGIST

JWS/SC:lm

cc: Allen Klein, OSM
Jim Smith, DOGM
Tom Portle, DOGM