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DEPARTMENT OF NATURAL RESOURCES

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February 11, 1981

Mr. Clem Cafarelli, President
Utah Coal and Energy, Inc.
5511 South 4385 West
Kearns, Utah 84118

RE: Black Hawk Mine
Utah Coal & Energy Company
Slope Stabilization Plan
Summit County, Utah
ACT/043/001

Dear Mr. Cafarelli:

The Division of Oil, Gas and Mining has reviewed Supplement B, Slope Stabilization Plan, prepared by Dr. Ben L. Seegmiller, and determine that these plans have been prepared in accordance with the Division's letter of July 17, 1980.

1. The plans have been prepared under the direction of a qualified professional engineer.
2. The plans describe the final configuration of the slopes and the slope stability measures are certified to meet a 1.5 factor of safety.
3. The plans show that disturbance from slope stability measures will remain within the disturbed area.

Since it is the intention of the Division to cooperate with Utah Coal and Energy's desire to correct an existing situation which is now a specific violation of the performance standards, and UC&E desires to remedy this situation, the Division may approve the stabilization plan as an emergency measure conditional upon receiving the following additional information:

1. The operator must submit the following, prior to approval.
 - a. Enclose a map of the watershed delineating the boundaries of the area for which peak run-off for the diversion above the portal is calculated. The applicant must describe how this diversion will meet the requirements of Section 817.43 of the permanent performance standards.

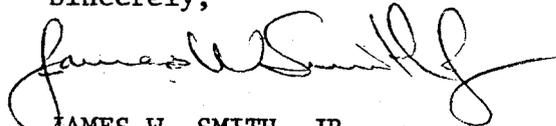
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- b. The applicant must show the methods utilized in computing the size of the overland flow diversion and show all calculations. The maximum volume of run-off for the diversion.
 - c. The applicant must show the full extent of the diversion. The discharges into natural drainage channels and designs for transitions or energy dissipation should also be shown.
 - d. The applicant must delineate, on a map, the boundaries of surface lands to be affected by the construction. The boundaries of disturbed lands should be shown outside the construction boundary.
2. Approval of the emergency stabilization plan shall be limited to:
- a. Construction of the diversion.
 - b. Establishment of four (4) portals along the highwalls.
 - c. Backfilling and grading on hillsides influenced by portals.
 - d. Backfilling and grading along hillside above shop.
 - e. Borrow or excess material areas needed for stabilization construction.

All of these areas must be delineated in accordance with No. 1 above.

Please submit the above additional information (six copies) for Division review and approval prior to initiating any construction activities. Mr. Lee Spencer, Mr. D. Wayne Hedberg or myself are available to discuss this request or answer any questions you may have.

Sincerely,



JAMES W. SMITH, JR.
COORDINATOR OF MINED
LAND DEVELOPMENT

Enclosure

JWS/LCS/btm