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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

March 11, 1987

Mr. Nicolaus P. Neumann, P.E.
Group Leader - Permits
Consolidation Coal Company
Mid-Continent Region
12755 Olive Boulevard
St. Louis, Missouri 63141

Dear Mr. Neumann:

Re: Completeness Review of MRP Amendment, Reconstruction Plan of
Revegetation Demonstration Sites, Consolidation Coal Company,
Emery Deep Mine, ACT/O15/O15-87A, Folder #2, Emery County, Utah

The Division has completed the review of the above referenced Mining and Reclamation Plan (MRP) Amendment received February 18, 1987. The application has been found deficient and additional information must be provided before the permitting process can be completed. Please refer to the attached technical review memorandum for an explanation of the information which remains deficient.

If possible, please provide a response to this informational request by March 27, 1987. Thank you for your cooperation and patience in completing this permitting action. Should you have questions or concerns regarding this approval, please contact me, or Susan Linner.

Sincerely,

D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

jvb

attachment

cc: A. Klein J. Leatherwood
 L. Braxton S. Linner
 L. Kunzler D. Lof

8992R-61

February 19, 1987

TO: File

FROM: James Leatherwood

RE: Reconstruction Plan for Emery Revegetation demonstration Sites, Consolidation Coal Co., Emery Deep Mine, ACT/015/015, Emery County, Utah

The above mentioned January 12, 1987 submittal has been reviewed. The plan contains several deficiencies and concerns. The specific deficiencies must be addressed.

UMC 817.22 Topsoil: Removal - JSL

- (e) The operator must submit the 1984 soil data for the demonstration sites as referred in the Final Plans for the Emery Revegetation Demonstration Test Sites. April 1984, third submittal. The 1987 soils data should also include phosphorus and saturation percentage.

The depth of irrigation water per irrigation is a concern. The operator proposed to irrigate one inch of water every other week on several of the test plots. Based on non-specific soils data, the potential for a saline horizon developing at a two to four inch depth is evident. The saline build-up zone may not warrant concern with the proposed saline tolerant species. However the irrigation must begin as early in the spring season as possible. The in situ soil water coupled with the irrigation water will leach the salt build-up zone to a lower depth. If the operator is not able to irrigate within this time frame, the first irrigation should be increased from a one to a two or three inch depth. Until the soils data is available specific irrigation management decisions cannot be determined.

cc: S. Linner
W. Hedberg
L. Kunzler
0534R-57