



0003

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & MiningACT/041/002
File #2Norman 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

February 5, 1988

TO: File

FROM: James Leatherwood, Reclamation Soils Specialist

RE: Waste Rock Disposal, January 19, 1988 Submittal, Southern Utah Fuel Company, SUFCO Coal Mine, ACT/041/002, Folder #2, Sevier County, Utah

The above referenced modification has been reviewed. Response to UMC 783.21 Soil Resource Information-JSL has been found to be incomplete. Comments to this section are addressed in the February 2, 1988 correspondence to SUFCO. The following items should also be addressed.

UMC 817.21 - .25 Soil Resource Management-(JSL)

Pursuant to UMC 817.48, 817.71(j)(2) and 817.103, the waste material is presently classified as an acid- or toxic-forming material. Because of borons toxicity nature to vegetation, more than 12 inches of soil will be required for final redistribution. A greater depth of soil is required to insure vegetation success.

The exact amount of topsoil and subsoil required for redistribution is not determined at this time. As outlined in the February 2, 1988 correspondence to SUFCO, the percent roots was not described in the soil profile description. The depth of topsoil and subsoil redistribution is dependent upon this information.

The Division does recommend at this time that a greater amount of soil be removed, segregated into topsoil and subsoil stockpiles such that a total of 48 inches of soil will be redistributed on the potentially acid- or toxic-forming materials.

In addition, the proposal states that the topsoil stockpile near the sediment pond will be reseeded. Please indicate the rate and seed mix that will be used.

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UMC 817.48, 817.71(j)(2) and 817.103 Acid- or Toxic-Forming
Material-(JSL)

Based on the limited data presented in the January 19, 1988 submittal, the Division considers the waste material to be an acid- or toxic-forming. This determination is based on the water extractable boron level of 6.13 ppm. According to the Division's Guidelines for Management of Topsoil and Overburden for Underground and Surface Coal Mining, any material with water extractable boron greater than 5 ppm is classified as an acid- or toxic-forming material.

This determination is based on the one and only sample. The Division recommends further analysis of the present material and for each lift that is derived from an isolated (specific) area of the mine to fully characterize the waste.

djh
cc: S. Linner
K. Wheeler
1342R/33