



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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August 29, 1989

TO: Susan C. Linner, Permit Supervisor

FROM: Henry Sauer, Reclamation Soils Specialist *HS*

RE: New Surface Facilities, Soldier Creek Coal Company, Soldier Canyon Mine, ACT/007/018-89(B), Folder #2, Carbon County, Utah

## SYNOPSIS

The response to the Division's technical review has been submitted and reviewed. One completeness issue regarding overburden and underburden analysis exist. One technical issue regarding construction of a protective berm around the topsoil stockpile exist.

## ANALYSIS

### UMC 783.14(a)(1)(iii) Geology Description - HS

Analysis of overburden and underburden must include the constituents and laboratory methodologies outlined in the Division's Guidelines for Management of Topsoil and Overburden, Table 6.

Acid-Base potential analysis must be based on pyritic and organic sulfur and reported as tons  $\text{CaCO}_3$ /1000 tons material.

Selenium (Se) and Boron (B) analysis must be water soluble Se and B. Reported analysis must be to two decimal places (hundredth).

### UMC 817.23 Topsoil: Storage - HS

The topsoil stockpile protection plan must include a commitment to construct an adequately sized protective berm around the entire topsoil stockpile. The berm will collect soil which may erode off the pile prior to, during and after reseeding. Additionally, it will prevent unnecessary contamination from contacting the stored soil and potentially diminishing the soil quality.

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cc: L. Kunzler  
BT37/36