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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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September 1, 1988

TO: Sue Linner, Permit Supervisor

FROM: James S. Leatherwood, Reclamation Soils Specialist 

Re: Revised Technical Deficiencies, Aberdeen Mine Development, Andalex Resources, ACT/007/019, Folder No.2, Carbon County, Utah

Aberdeen Mining and Reclamation Plan, received August 9, 1988, response to the Division's June 20, 1988 comments and the coal sample analysis, received August 29, 1988 has been reviewed. Sections UMC 817.23 and UMC 817.48 cannot be considered technically adequate at this time. The following comments must be addressed before the plan can be considered technically adequate.

UMC 817.23 Topsoil: Storage - JSL

Page 114 refers to the wrong plates. Page 114 should refer to plate 7 instead of plate 6 and plate 38 instead of plate 37. Plate 38 does not indicate the volume of potential substitute topsoil material as discussed in the text on page 114. Page 114 must be clarified and Plate 38 must include the volume of material present for use as a potential suitable topsoil substitute.

UMC 817.48 Hydrologic Balance: Acid-Forming and Toxic-Forming Material - JSL

The data received August 29, 1988 is not adequate. The operator must analyze the roof, floor, and midseam. The given coal sample will constitute the midseam sample, however the origin of the "boney" material is unknown. A roof and floor sample must be independently analyzed. The sample location must be identified on an applicable map. In accordance with the Divisions "Guidelines for Management of Topsoil and Overburden" the roof, floor and midseam must be analyzed for the parameters listed in Table 6. Items that were not analyzed include selenium, nitrate nitrogen, and total nitrogen. The Division cannot make a determination of potential acid- or toxic-forming material until the requested information has been submitted and reviewed.

cc: R. Summers  
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