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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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November 8, 1988

TO: Susan C. Linner, Permit Supervisor

FROM: James Leatherwood, Reclamation Soils Specialist

RE: Technical Deficiencies, Aberdeen Mine Surface Facilities, Andalex Resources, ACT/007/019, Folder #2, Carbon County, Utah

SUMMARY

The Technical Deficiency Response, received October 17, 1988, has been reviewed. UMC 817.48 cannot be considered technically adequate. UMC 817.48 will be considered adequate with a commitment to Stipulation UMC 817.48-(1) - JSL, and upon adequate submittal and review, by the Division, of the requested analytical information.

ANALYSIS

The primary potential for adverse effects to the hydrologic system from the Aberdeen Mine or the New Lease area will come from potential leaching from the roof, floor, or underground development waste.

In accordance with the "Guidelines for Management of Topsoil and Overburden" (April 1988) roof, floor, and mid-seam must, at a minimum, be analyzed for the parameters listed in Table 6. Paramters that were not analyzed included selenium.

The operator has committed to analyze the roof and floor materials from all three coal seams for boron and selenium. The coal and boney materials are also being analyzed for these constituents. This section cannot be considered adequately addressed until the required information has been submitted to the Division for review and determination of the materials acid- or toxic-forming potential.

Stipulation UMC 817.48(1) - JSL

Monitoring for possible water contaminants must consist of testing the roof, floor, and mid-seam as defined in Table 6 of the "Guidelines for Management of Topsoil and Overburden" (April 1988) for possible toxic contaminants. This analysis must be done once a year or more if the general location of the mining operations change or if there is a change in physiochemical quality of the floor, roof, or mid-seam. Results received from the laboratory must be submitted to the Division following receipt of the results. The first analysis must be received by the Division within 90 days of permit approval.

cc: B Team
BT51/29-30