



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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April 2, 1991

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Henry Sauer, Senior Reclamation Soils Specialist *HS*

RE: Federal Lease Tract Technical Analysis, Beaver Creek Coal Company, Trail Mountain #9 Mine, ACT/015/009, Folder #2, Emery County, Utah

R614-301-221 Prime Farmland Investigation (HS)

An investigation was conducted by the U.S.D.A./Soil Conservation Service to determine if prime farmland exists within the Federal Lease Tract. Ferris P. Allgood, State Soil Scientist, determined that no prime or important farmlands exist (Appendix 8-1{L}).

R614-301-731.300 Acid- and Toxic-Forming Materials (HS)

The permittee has committed to regularly sample roof and floor material to determine its acid- and toxic-forming potential. Analysis will include taking samples at intervals not to exceed 2000' along the main entries and in at least one panel entry. Samples will be bagged and analyzed in accordance with the Division Guidelines for the Management of Topsoil and Overburden, Table 6 (page 6-12).

Previous analysis of roof, floor and midseam material may be located in Tables 6-2, 6-3 and in appendix 6-2. Results indicate (2nd Left-Floor) an acid forming potential of -81.7 Tons CaCO₃/1000 Tons Material. This is unacceptable when compared with Division criteria for acid forming potential (i.e., -5 Tons CaCO₃/1000 Tons Material, Division Guidelines for the Management of Topsoil and Overburden, Table 2).

Underground waste rock material is backstowed in the mine or trucked to the Castle Valley Spur Refuse Pile (Refer to C.V. Spur PAP).

The acid-forming floor material (Hiawatha Bed) must be closely monitored in the future. Continued roof and floor analysis and in mine water monitoring must proceed to determine the extent and impact of this material on the groundwater resource.

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