



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

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July 15, 1993

TO: Pamela Grubaugh-Littig, Permit Supervisor

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

RE: Technical Deficiencies, 1993 Trail Mountain Coal  
Exploration Drilling Application, Trail Mountain Mine,  
ACT/015/009-93B, Folder #2, Emery County, Utah

**SYNOPSIS**

The permittee has submitted (April 12, 1993), for Division approval, a proposal to drill seven exploration drill holes within the approved permit area. The proposal has been reviewed as a significant revision to the approved permit.

Technical deficiencies exist and must be adequately addressed prior to Division approval.

This writer requests an on site review of the results of the reclamation activities conducted on exploration drill holes # EM 149 through 152 and the associated drill hole access roads. Reclamation methods and topsoil handling procedures employed are similar to that which is currently proposed for the reclamation of drill holes TMTN-9 through TMTN-15 and their associated access roads.

**ANALYSIS**

For the portions of the permit area to be affected by surface operations incident to underground coal mining and reclamation activities the permittee must present an Order I soil survey, as specified under R645-301-222. et. seq., R645-301-223 and the Division's Guidelines for the Management of Topsoil and Overburden, which meets the standards of the National Cooperative Soil Survey as incorporated by reference in R645-302-314.100. The survey must encompass the proposed disturbance associated with the exploration proposal (i.e. roads and drill pads).

The permittee must commit to removing and segregating, as a separate layer, all topsoil (as defined by the soil survey) from the area to be disturbed (R645-301-232.100.). The permittee must



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describe the methods and equipment that will be utilized to ensure the proper depth of topsoil is removal (R645-301-231.100).

The permittee's proposal to store and protect topsoil is not adequate and must be revised. Topsoil which is salvaged must be stockpiled and protected utilizing a containment berm and /or silt fence around the perimeter of each stockpile. The topsoil stockpiles must be stabilize using a sterile nurse crop, surface mulch and/or other acceptable methods.

The permittee must commit to notifying the Division prior to the commencement of reclamation activities.