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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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January 14, 1993

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Henry Sauer, Senior Reclamation Soils Specialist 

RE: Shower House Amendment Technical Deficiencies, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025-92H, Emery County, Utah

SYNOPSIS

The permittee has proposed the construction of a shower house. Technical deficiencies remain which must be adequately addressed prior to approval of this permitting action.

ANALYSIS

The permittee commits to the removal of topsoil during excavation activities to a depth of 6 inches, 8 inches and 7 inches, in areas represented by references soil pits REF-1 (0.69 acres), REF-2 (0.47 acres) and REF-3 (0.69 acres), respectively. These topsoil depths are based on observations made by the operator which were intended to verify the soil survey findings provided in the PAP. The topsoil depths described above may be considered within the range of local lateral variability allowed within the Datino-Sheepcan-Winetti map unit. The depth of topsoil is, therefore more accurately described by the survey conducted by the operator, which is more intensive (at least in describing depth of the A-horizon) than the original soil survey. Therefore, the depth of topsoil redistribution should reflect the premine conditions. Given the estimated volume of topsoil removed (i.e. 1700 cubic yards) the operator must redistribute, on average, approximately 7 inches of topsoil at the time of final reclamation. Please make necessary changes within the PAP to reflect the aforementioned analysis.

RECOMMENDATION

The permittee must adequately respond to above analysis prior to approval of amendment # ACT/015/025-92H.