



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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TO: Daron Haddock, Permit Supervisor

FROM:  Priscilla Burton, Reclamation Soils Specialist

RE: Technical Deficiency Review of Utah Fuel Adit #1 and Gravel Canyon Reclamation Plans. Castle Gate. AMAX Coal Co. ACT/007/004-DO92D. Folder #2. Carbon Co. Utah.

SUMMARY:

Reclamation of each site will entail direct seeding onto regraded spoil. Each plan calls for deep ripping on slopes less than or equal to 10%. No plans are detailed for roughening the surface of steeper grades. Successful reclamation may depend on such details of surface preparation.

ANALYSIS:

R645-301-242. Soil Redistribution.

Proposal:

The plans call for deep ripping to 24 inches slopes which are 10% or less (pages 3.5-13 and 3.6-9).

Analysis:

Preparation of the surface of the regraded spoil on slopes steeper than 10% must be addressed within the plan. The Division suggests creating a roughened surface utilizing the tines of a trackhoe or creating basins with the bucket of the trackhoe.

Deficiency:

1. A discussion of the surface preparation (prior to seeding) of regraded spoil slopes which are steeper than 10% must be provided within the plan.

CONCLUSION:

The Adit#1 and Gravel Canyon plans specify ripping on a 10% or less slope. Surface preparation on steeper slopes may be key to the success of reclamation and must be addressed as per R645-301-242.120, 242.130 and 242.200.