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United States
Department of
Agriculture

Soil
Conservation
Service

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June 25, 1985

Susan C. Linner, Reclamation Biologist
Permit Supervisor
State Of Utah Natural Resources
Oil, Gas and Mining
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3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RECEIVED

JUN 27 1985

DIVISION OF OIL
GAS & MINING

Dear Ms. Linner:

Mr. Keith Beardall, U.S. Soil Conservation Service, Price, Utah has completed his review of the soil reconstruction plans (submitted by Consolidation Coal Company for prime farmlands within the Emery Deep Mine's permit area) as you requested May 10, 1985.

The comments for your consideration are as follows:

1. The crop yield information shown in Table 8-1, page 8-56 does not show soil slope while information given in Table 8-3, page 8-60 is related to slope. A crop yield is generally related to map units; slope is a part of the map unit.
2. In Table 8-6, page 8-69 the Saltair soil is strongly saline and is rated poor because of salinity. Compare to Table 8-8, page 8-83: Saltair soil is very strongly saline, the available water capacity should be rated as poor or low. The salinity reduces the amount of water available for plant use.
3. On page 8-71, paragraph 3: Saltair soils should also be listed as "poor/unsuitable in one or more horizons because of salinity".
4. Page 8-71 - Any saline soil would have low available water capacity. Available water capacity may be a limiting factor for some of the soils recommended. (See Table 8-8).

We are returning the associated plan for your files. If we can be of further assistance please call on us.

FERRIS P. ALLGOOD
State Soil Scientist



The Soil Conservation Service
is an agency of the
Department of Agriculture