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Consolidation Coal Company  
Mid-Continent Region  
12755 Olive Boulevard  
St. Louis, Missouri 63141  
(314) 275-2300

May 8, 1986

Mr. James S. Leatherwood  
Reclamation Soils Specialist  
State of Utah Natural Resources  
Oil, Gas and Mining  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

RECEIVED  
MAY 16 1986

DIVISION OF  
OIL, GAS & MINING

RE: Soil Reconstruction Plans for Prime Farmlands  
Consolidation Coal Company, Emery Deep Mine, ACT/015/015,  
Folder No. 2, Emery County, Utah  
Reply to Letter dated February 19, 1986

Please consider the following modifications to our soil reconstructions plans for prime farmlands at our Emery, Utah Mine.

The modifications are sequentially numbered to coincide with Mr. Ferris P. Allgood's letter dated June 25, 1985.

The modifications are as follows:

- 1) Replace TABLE 8-1, page 8-56 and TABLE 8-3, page 8-60 with pages 14 and 15 photocopied from the Soil Survey Carbon - Emery Area Utah issued December 1970.
- 2) A revised TABLE 8-6, page 8-69 is attached
- 3) A revised page 8-71 is attached

*placed in  
Ch. 8,  
Vol 6  
05/21/86*

If additional information is necessary, please feel free to contact me.

Sincerely,

*John H. Bauer*  
John H. Bauer  
Soil Scientist

JHB:vms

cc: Ferris P. Allgood



United States  
Department of  
Agriculture

Soil  
Conservation  
Service

P. O. Box 11350  
Salt Lake City, UT 84147

File ACT/015/015  
Folder # 2, 4

June 25, 1985

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

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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 Allgood*  
801-524-5065 or 5064  
FERRIS P. ALLGOOD  
State Soil Scientist

*Frank Holt*  
STATE SOIL SCIENTIST

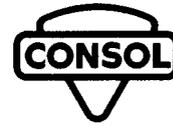


The Soil Conservation Service  
is an agency of the  
Department of Agriculture



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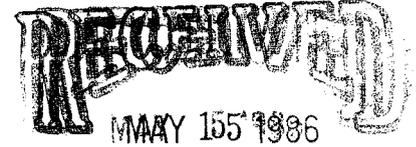
ACT/015/015  
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Consolidation Coal Company  
Mid-Continent Region  
12755 Olive Boulevard  
St. Louis, Missouri 63141  
(314) 275-2300

May 9, 1986

Mr. David Darby  
Utah Division of Oil, Gas and Mining  
355 W. North Temple  
3 Triad Center - Suite 350  
Salt Lake City, UT 84180-1203



DIVISION OF  
OIL, GAS & MINING

Dear Mr. Darby:

This letter pertains to the ground water monitoring program at our Emery Deep Mine. Stipulation UMC 817.52-(1) dated May 4, 1984 of our PAP required that within 4 months after permit approval, Consol must begin the monitoring program committed to in the February 2, 1984 Response to Stipulations. In that the Emery Deep Mine PAP was approved on or about January 11, 1986, the required implementation date for the plan is about May 12, 1986.

Under the committed plan and as modified by your letter of January 23, 1985, we are required to:

1. Obtain quarterly water-level measurements from 35 wells,
2. Obtain samples for biannual chemical analysis from 9 wells,
3. Monitor four springs (two landowners) for quarterly flow only, and
4. Monitor the Christiansen Spring for quarterly flow and water quality.

All spring sites have been located and all monitoring wells are functional with the exception of Well I-U#2. As you know, this well was to be drilled near previously existing, but obstructed Well I-U. However, field conditions during the week of April 28, 1986 were such that all heavy vehicles got stuck during attempts to access the site. On May 1, 1986 you verbally approved a relocation of Well I-U#2 to the SW/4, SW/4, SW/4, of the NW/4 of Section 21, T22S, R6E. However, the drilling rig was unable to complete the well at this location also, due to unstable ground conditions. It is now thought that the entire area has a perpetually high water table and that the best time to drill would be when the ground is frozen. Based on our conversation of May 9, 1986, it is my understanding that your department grants Consol approval to reattempt to drill Well I-U#2 during January or February 1987.

I have appreciated your prompt consideration of this matter.

Sincerely,

*Louis H. Meschede*

Louis H. Meschede  
Permit Coordinator/Hydrologist

LHM:vms