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ACT/015/015-42

September 24, 1987

TO: Memo to File

FROM: James Leatherwood, Soils Specialist *jsl*

Re: Revegetation Demonstration Site Field Visit, Consolidation Coal Company, Emery Deep Mine, ACT/015/015, Folder No. 2, Emery County, Utah.

The above mentioned test site was visited September 14, 1987, by Lynn Kunzler and James Leatherwood of the Division. The demonstration site was reconstructed April 22, 1987. Vegetation success ranged from extremely poor to good for the first year's growth.

Vegetative growth occurred predominately within depressions. We believe that the depressions retain and collect run-on water, thereby increasing the available water to the vegetation. The poorest vegetative success occurred in plots D2 and D4. It was evident that no water was being retained in the soil. The water was running off the plots onto adjacent plots.

Plot C1 had the best vegetation success. The soil was sampled and found to be moist from the surface to a depth greater than six inches. Additional water maybe running onto this plot from other test plots and there may be a potential leak from the irrigation lines that are located within plot C1. Soil in plots A1 and B2 were also sampled. Plot A1 had moisture occurring to a two inch depth. Plot B2 had moisture occurring to a three inch depth. The greater depth of moisture in plot B2 is attributed to the incorporated organic matter.

jsl  
cc: L. Kunzler  
S. Linner  
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