



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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September 11, 1990

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Susan M. White, Reclamation Biologist *SMW*

RE: Reference Area, Beaver Creek Coal Company, Trail Mountain #9 Mine, ACT/015/009, Folder #2, Emery County, Utah

Synopsis and Analysis

A permit deficiency was noted while reviewing the Trail Mountain No. 9 permit and proposed culvert extension. The reference areas (Riparian and Grass/Shrub) shown on Map A-Appendix 9-1 apparently have never been sampled for cover, diversity, and tree and shrub densities. The descriptions and data for the Riparian and Grass/Shrub communities are included in the Permit Application Package (PAP); however, it appears from the information available that the data was taken from areas other than the reference area. Per R614-301-356.110 and the Division's Vegetation Information Guidelines, the reference areas must be quantitatively sampled in order to establish standards for success.

Recommendation

The required quantitative vegetation information from Trail Mountain No. 9 Mine reference areas must be taken between June and August, 1991. The information obtained must be submitted for inclusion in the PAP by December, 1991.

SMW/djh
AT