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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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August 17, 1998

TO: Folder #2

THRU: Joe Helfrich, Permit Supervisor *JH*

FROM: Priscilla Burton, Reclamation Specialist *PB*

RE: Technical Analysis of Waste Rock Amendment, Canyon Fuels Company, Dugout Canyon Mine, ACT/007/039-98-C, Folder # 2, Carbon County, Utah

SUMMARY

The Dugout Canyon MRP identifies two locations for disposal of waste rock from the Dugout Mine. Those locations are the SUFCO mine and the Skyline Mine waste rock disposal sites. This amendment (received August 7, 1998) proposes to include any permitted waste rock disposal site as a potential location for waste rock disposal from the Dugout Canyon mine. Several questions concerning the chemical nature of the waste rock remain unanswered.

TECHNICAL ANALYSIS

OPERATION PLAN

ACID OR TOXIC FORMING MATERIALS

Regulatory Reference: R645-301-731.300

Analysis:

Information on the waste rock storage area to be utilized during site construction is included in Appendix 5-7. Space has been allocated for approximately 1500 CY of rock development waste on the surface as shown on Plate 5-2A. This material will be removed from the Dugout Mine site every 4 months or when 1500 CY accumulates, whichever comes

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first. Waste rock will then be removed to a DOGM permitted disposal site for final disposal. Quarterly inspections of the temporary waste rock storage area at Dugout Mine will be made by a professional engineer.

Roof and Floor analytical results are found in App 5-7 for the Gilson seam and the Rock Canyon seam. These samples were taken August 24, 1995. This sample of waste rock indicates that the material is not acidic or toxic given the parameters evaluated. However, an ongoing program of sampling the waste rock must be included in the MRP to allow the Division to evaluate the changing nature of the waste rock to ensure:

- (1) protection of the surface and groundwater at the temporary storage site, and
- (2) impacts on other potential temporary or final storage sites.

Findings:

Approval of this amendment is not recommended at this time.

R645-301-731.300 Sampling and analysis of the material according to Table 6 of the Topsoil and Overburden guidelines is recommended for evaluation of its acid and toxic-forming potential. An on-going plan for testing the material as it is brought to the surface would ensure proper handling and disposal. This submittal does not provide enough information for the purposes of this regulation.