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June 16, 1987

TO: Coal File

FROM: James R. Fricke, Reclamation Hydrologist *JRF*

RE: Amended Mid-Term Review Document, Beaver Creek Coal Company, Gordon Creek No. 2 and No. 7 Mine, ACT/007/016, Folder #2, Carbon County, Utah.

This memo and the enclosed letter to Beaver Creek Coal Company supercedes the May 28, 1987 letter, UMC 817.44 has been edited, please use the enclosed document as the original.

New: There is not sufficient information to determine that the reclaimed channels will have a pattern of riffles, pools and drops that approximate natural stream channel characteristics. The Left Fork of Bryner Canyon profile appears to be essentially smooth through much of the reclaimed area. Additionally, a drop in the profile appears at station 2800' to 2900'. Will there be energy dissipation provided at this location? The applicant is advised to break the reclaimed channels into segments and address complete design details for each segment. It would be helpful if the segments were identified on the plan view and profile plates. The design methodology should include channel depth as calculated from minimum slope calculations and the rip rap D(50) calculated from the maximum slope calculations. All calculations must be based on the 100-year, 24-hour design storm criteria.

(The above paragraph is the edited version of UMC 817.44.)

OLD: There is not sufficient information to determine that the reclaimed channels will have a pattern of riffles, pools and drops that approximate natural stream channel characteristics. The left Fork of Bryner Canyon profile appears at station 2800'- 2900'. Will there be energy dissipation provided at this location? The applicant is advised to break the reclaimed channels into segments and address complete design details for each segment. It would be helpful if the segments were identified on the plan view and profile plates. The design methodology should include channel depth as calculated from minimum slope calculations and the rip rap D(50) calculated from the maximum slope calculations. All calculations must be based on the 100-year, 24-hour design storm criteria.

ACT/007/016

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JUN 12 1987

DIVISION OF
OIL, GAS & MINING

(FWE)

June 11, 1987

MEMORANDUM

TO: Administrator, Western Technical Center, Office of Surface Mining,
Denver, Colorado
ATTN: Richard Holbrook, OSMRE Senior Project Manager

FROM: Acting State Supervisor, Fish and Wildlife Enhancement,
Salt Lake City, Utah

SUBJECT: Mid-term Review of Gordon Creek No. 2 and No. 7 Mine Permit.

We continue to have several concerns with the Gordon Creek No. 2 Mine which have not been adequately addressed through amendments to the mine plan. These issues have been previously discussed in memoranda and letters to the Office of Surface Mining and the Utah Division of Oil, Gas, and Mining. These issues include assignment of responsibility for reclamation and a plan to reclaim the mine haul road; inclusion of a plan to monitor the effects of the haul road and conveyors on big game migration; and mitigation commitments for riparian habitat losses.

We recommend these issues be incorporated in the updated permit.

/s/ Robert G. Rucinski

bcc: UDOGM/SLC
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