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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 16, 1985

Mr. Dan W. Guy, Manager
Permitting and Compliance
Beaver Creek Coal Company
P. O. Box 1378
Price, Utah 84501

Dear Mr. Guy:

RE: MRP Revision, Modification to Sweet's Canyon Water Fill-Up Area, Beaver Creek Coal Company, Gordon Creek #2 Mine, ACT/007/016, #3, Carbon County, Utah

Beaver Creek Coal Company (BCCC) submitted a mine reclamation plan revision March 21, 1985 to modify the in-stream pond in Sweet's Canyon Creek. The plan essentially states that the pond will be removed from the stream channel and reconstructed in an area approximately 25 feet to the northeast, separated from the channel by a berm.

The Company must address several aspects of the plan before final approval can be granted by the Division:

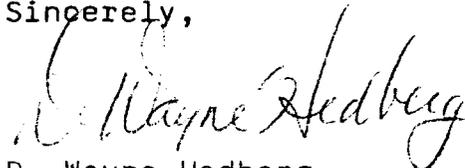
1. If the reestablished perennial channel is to become a permanent structure, the channel configuration and resulting floodplain must be constructed to pass the peak flow from a 100-year, 24-hour storm event. If the Company determines that the newly aligned channel will be a temporary structure, it is the Division's opinion that due to excessive hydraulic slopes and potential erosive flows upstream of the proposed diversion, the temporary channel configuration should be able to pass the peak flow from a 50-year, 24-hour storm. The Company must submit hydrologic calculations using proper watershed parameters and include cross-sectional drawings of the typical channel dimensions verifying that the newly constructed stream will convey the perspective peak flows with proper freeboard. Since the new channel will degrade to a point that establishes equilibrium between the upstream and downstream stretches, an average hydraulic slope must be predicted for the reestablished channel and used in the calculations.

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2. Based on new slope predictions and consequent flow velocities, the Company must submit calculations verifying that eight inch drain rock will be adequate to stabilize the channel bottom and side slopes maintaining the channel in a nonerosive condition.
3. Plans must be submitted to the Division that indicate what the Company proposes to do with the existing 12 inch culvert which presently conveys flow from a side drainage into the Sweet's Canyon stream, but will bisect the area the new pond structure will occupy.

If the Company has further questions or need of further clarification on the above plan deficiencies, please contact me or Dave Hooper of the technical staff.

Sincerely,



D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

DH/btb

cc: Allen Klein
Lowell Braxton
Tom Munson
John Whitehead
Tom Wright

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