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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

007/022#2

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

October 30, 1987

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

Dear Mr. Guy:

Re: Review of PAP Amendment, Revised Typical Cross-Sections of Collection
Ditches, Beaver Creek Coal Company, C.V. Spur Loadout Facility,
ACT/007/022-87B, Folder No. 2, Carbon County, Utah

The Division cannot approve the above referenced PAP amendment request as received September 29, 1987. Division hydrologist, James Fricke has performed a technical review of the proposal and has made recommendations which will require additional information from the operator. Please refer to the attached technical memo for an explanation of our concerns with this amendment request. These deficiencies must be adequately addressed before the Division may consider granting approval. Please provide the technical information as requested in the technical memo no later than November 20, 1987.

Thank you for your cooperation in completing this permitting activity. Please contact James Fricke, or John Whitehead should you have questions concerning the technical review recommendations.

Sincerely,

D. Wayne Hedberg
Data Management Coordinator

djh
Attachment
cc: P. Rutledge
R. Hagen
J. Whitehead
8992R/23

J. Fricke
P.F.O.



October 19, 1987

TO: John Whitehead, Permit Supervisor

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

RE: C. V. Spur Ditch Amendment, Beaver Creek Coal Company, C. V. Spur Loadout, ACT/007/022-87B, Folder #2, Carbon County, Utah

Synopsis of Proposal

The operator has requested to amend the typical cross-section configuration for the C. V. Spur collection ditches and diversion ditch DD-1 (letter to DOGM 9/1/5/87). The amendment is in the form of a note on each plate (7-3, 7-5) stating that ditch configurations may vary but minimum cross-sectional areas will be maintained as shown.

Analysis

Division calculations show that the minimum cross-sectional areas cannot be maintained. Ditch DD-1 (Plate 7-3) has a bottom width of 30 inches and a depth of 18 inches. The cross-sectional area required (6 feet²) cannot be maintained at slopes greater than 2:1. The C. V. Spur collection ditches also require sideslopes of 2:1 to maintain the cross-sectional area with the dimensions shown on Plate 7-5.

Recommendations

The Division should not approve the amendment. The operator may want to consider regrading all affected ditches to either a triangular or trapezoidal shape meeting the cross-sectional capacity requirements. The ditch areas that have eroded in the past could be protected with loose-rock check dams.

djh
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