



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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September 23, 1986

Mr. Louis Meschede
Consolidation Coal Company
Mid-Continent Division
12755 Olive Boulevard
St. Louis, Missouri 63141

FILE COPY

Dear Mr. Meschede:

Re: Conditional Approval, MRP Amendment, Minor Surface Drainage Control Area Change, Removal of 150 Foot/12 Inch Culvert, Consolidation Coal Company, Emery Deep Mine, ACT/015/015, Folder No. 4, Emery County, Utah

The Division's review of Consolidation Coal Company's August 4, 1986 request to remove a 150 foot section of 12 inch culvert at the Emery Deep minesite is complete. The proposal to amend the approved permit application package (PAP) is technically complete and adequate for Division approval. Please refer to the attached technical review memorandum for specific details of our technical assessment of Consol's proposal.

As a remaining condition to final approval of this proposal, the Division requests that the operator revise the appropriate plate(s) within the approved PAP to reflect the as-built changes which will result from approval of this amendment. If possible, please submit twelve (12) copies of the revised drawings to the Division by October 8, 1986. We will forward copies to the appropriate state and federal agencies to update their files.

Please call me or Dave Cline should you have remaining questions or concerns.

Sincerely,

D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

jvb
cc: Allen Klein
Lowell Braxton
David Cline
Holland Shepherd
8992R-72

September 19, 1986

TO: Technical File
FROM: Dave Cline *DSC*
RE: Request for Minor Surface Drainage Control Area Change,
Removal of 150 Foot 12 Inch Culvert, Consolidation Coal
Company, Emery Deep Mine, ACT/015/015, Folder #4, Emery
County, Utah

On August 4, 1986, Consolidation Coal Company (Consol) proposed to modify the approved Emery Deep Mine PAP by eliminating a 150 foot section of 12 inch culvert that was designed to convey disturbed drainage by the portal area adjacent to Christiansen Wash into Sedimentation Pond #2. However, this culvert has proved ineffective throughout its existence due to clogging of the inlet and the runoff has been running along the berm adjacent to Christiansen Wash or into the mine portal. Therefore, Consol is proposing to eliminate the culvert from the drainage system and allow the surface runoff to flow along the berm into the mine yard, which is treated in Sedimentation Pond #2, and/or allow the runoff to drain into the mine portal.

Division Hydrologists, Rick Summers and Dave Cline visited Emery Deep Mine on August 28, 1986 to review the proposal to remove the culvert. It was apparent that the culvert was not functioning as intended and that the surface runoff had been running along the berm adjacent to Christiansen Wash into the mine yard and also a portion of the runoff had been entering the mine portals. No evidence of erosion or ponding was observed at the site due to the surface runoff. Runoff entering the mine yard is treated in Sedimentation Pond #2 and runoff entering the mine drains down dip into the mine sump and is ultimately treated in Sedimentation Pond #1 along with any water made in the mine. Sedimentation Pond #2 has been designed and approved to handle the runoff volume from the 12-inch culvert during the design storm. Therefore, no change in pond capacity is required. Pond #1 has approximately 16 acre feet of storage capacity available. Currently the mine is discharging 4.1 acre feet of water into the pond from water that is made in the mine. The amount of water entering the mine from the surface runoff is negligible compared to the current amount of water being pumped from the mine sump into Pond #1. Therefore, the capacity of Pond #1 is more than adequate to handle the increased discharge due to surface runoff entering the mine.

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Memorandum to Technical File
September 19, 1986

Recommendations: The 12 inch culvert as it exists now is not functioning as designed and continues to be a source of maintenance problems and potential violations for Consol. The surface runoff that is supposed to be entering the culvert is running into the mine yard and the mine portal without consequence. The runoff is ultimately treated in Pond #1 or Pond #2 before being discharged off the permit area. Therefore, the proposal to eliminate the 12 inch culvert should be approved by the Division without stipulations or conditions.

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cc: Wayne Hedberg
Sue Linner
Rick Summers

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