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STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

015/018 #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 21, 1987

Mr. Ray Christensen  
Permitting & Compliance  
Utah Power & Light Company  
Mining Division  
P.O. Box 310  
Huntington, Utah 84528

Dear Mr. Christensen:

Re: Review of PAP Amendment, C-2 Conveyor Culvert Installation, Utah Power & Light Company, Deer Creek, ACT/015/018-87D, Folder #2, Emery County, Utah

The Division has completed a review of plans received September 21, 1987 for the above referenced PAP amendment. Division hydrologist, Tom Munson, has reviewed the plans and found technical deficiencies that will require additional information before an approval may be considered. Please refer to the attached Technical Memorandum for an explanation of the technical deficiencies.

Please provide the requested information by November 13, 1987. Thank you for your cooperation in completing this permitting action. Please call me or Tom Munson should you have questions pertaining to this amendment review.

Sincerely,

D. Wayne Hedberg  
Data Management Coordinator

djh  
cc: D. Ariotti      T. Munson  
    R. Hagen        J. Whitehead  
    P. Rutledge     P.F.O.  
    G. Morris  
8992R/18



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October 15, 1987

TO: John Whitehead, Permit Supervisor  
FROM: Tom Munson, Reclamation Hydrologist *TM*  
RE: C-2 Conveyor Culvert Installation, Utah Power and  
Light Company, Deer Creek Mine, ACT/015/018-87D, Emery  
County, Utah

#### History of Proposal

An inspection of the Deer Creek Mine occurred on September 2, 1987 and it was noted by inspector #19 that a new culvert was being installed on the C-2 conveyor access road. The need for the operator to address the installation of this culvert and supply the necessary supporting calculations became apparent based on this inspection.

A phone call was made to Val Payne by myself, expressing the need for plans on this culvert installation, appropriate to insert into the PAP as an amendment. On September 21, 1987, the Division received plans from the operator.

#### Analysis

The operator has expressed the viewpoint that "to prevent further erosion damage beneath the conveyor, it was determined that installation of a culvert was an effect short-term solution". It was expressed that "this drainage was from a county road and therefore, no supporting calculations were called for".

I feel that this culvert is part and parcel of the mining operations and was installed to maintain the stability of the mining conveyor system.

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Memo to John Whitehead  
ACT/015/018-87D  
October 15, 1987

Recommendations

Therefore, the following information is needed:

1. The hydrologic sizing calculations for the culvert and its associated inlet and outlet protection.
2. The necessary plans for inclusion into the PAP as an amendment, including revised certified maps and additional supporting calculations.

djh  
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