



0033

STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

May 29, 1985

Mr. Larry Guymon  
Construction Manager  
Emery Mining Corporation  
P. O. Box 310  
Huntington, Utah 84528

Dear Mr. Guymon:

RE: Submittal of Plans Addressing Erosion Control Near the  
Beehive Mine Substation, Utah Power & Light Company,  
Des-Bee-Dove Mines, ACT/015/017, #3 and #14, Emery County,  
Utah

The Division has reviewed the proposed plans for erosion control adjacent to the Beehive Mine substation received from Emery Mining Corporation May 9, 1985. The plans were found to be inadequate in several areas. Before the Division can issue final approval, Emery Mining Corporation must address the following deficiencies:

1. The rills and gullies formed as a result of erosional processes near the substation should be backfilled to original contour levels;
2. The drop culvert inlet structure design needs to be described in the plans. Since there seems to be questions as to how runoff flows in the area are to be collected and routed to the culvert inlet, site-specific plans must be submitted showing the drainage configuration and runoff control structures;
3. Potential exit velocities from the culvert have been calculated by the Division to be in excess of 11 feet per second. Plans must show what type of outlet controls are to be installed by the Company to effectively dissipate the flow velocities;

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4. Drop culvert calculations performed by the Division indicate that an eight inch culvert will not convey peak flows approximating 6.58 cfs as submitted in the Company's plan. Submit calculations with methodologies showing maximum flows that the proposed 12 inch drop culvert will convey and also the peak flow that might result from a 10-year, 24-hour storm event;
5. The Company must describe what delineates "Area 1" and "Area 2" as related in the plan.

The Company must respond to these deficiencies by June 17, 1985. If you have questions concerning this matter, please contact me or Dave Hooper.

Sincerely,

*L.P. Braflin for*

D. Wayne Hedberg  
Permit Supervisor/  
Reclamation Hydrologist

btb  
cc: Sandy Pruitt  
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