



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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August 30, 1988

Mr. David R. Smaldone, Director  
Permitting, Compliance and Services  
Utah Power and Light Company  
Mining Division  
41 North Redwood Road  
Salt Lake City, Utah 84140

Dear Mr. Smaldone:

Re: Remaining Deficiencies for Mid-Term Review, Utah Power and Light Company, Des-Bee-Dove Mine, ACT/015/017, Folder #2, Emery County, Utah

Attached are the Division comments on the July 13, 1988 Utah Power and Light Company (UP&L) submittal regarding the mid-term review currently being conducted by the Division on the Des-Bee-Dove Permit Application Package (PAP). The attached comments identify the remaining issues which must be addressed by UP&L in order to successfully conclude this review.

After reviewing the comments, please submit a complete response addressing each comment no later than September 30, 1988.

Please feel free to contact me or members of my staff if you have questions on any of these matters.

Sincerely,

John J. Whitehead  
Permit Supervisor/  
Reclamation Hydrologist

djh  
Attachments  
cc: P. Rutledge, OSM  
Tech Review Team  
WP+/16

MID-TERM REVIEW  
DES-BEE-DOVE MINE  
ACT/015/017

Utah Power and Light Company  
Emery County, Utah  
August 1988

UMC 782.13 Identification of Interests - (PGL, BAS, JSL)

Paragraph 2 on page 1-2 contains an erroneous statement that should be corrected - "coal mining will not take place within the areas of this permit".

UMC 784.13 Reclamation Plan: General Requirements - (PGL/BAS/JSL)

The reclamation of the Wilberg/Des-Bee-Dove Junction road should be more clearly detailed in the reclamation plan. The reclamation of the access road should also be detailed; i.e., the removal of asphalt and ripping the road should be described.

The interim and final reclamation seed mixes must be revised prior to the permit renewal in 1990. The rate of seed application is too high for some species and too low for others. Seed costs and availability may dictate changes, as well. Introduced species should be replaced with native species.

The PAP must incorporate recently collected soils data and include a program identifying all suitable backfill materials which can be used as substitute topsoil. All acid- or toxic-forming materials must also be identified. The volume of the suitable material to be used as substitute topsoil along with the extent and volume of any identified acid- or toxic-forming material must be included.

UMC 784.14 Reclamation Plan: Protection of Hydrologic Balance - (TM)

The PAP includes a discussion of the occurrence of springs within the Des-Bee-Dove Permit area and lists sampling months as July and October. The PAP lists what laboratory parameters will be sampled, but provides only the "baseline" parameter list; the "operational" parameter list is not given. The PAP must be revised so that it is clear exactly what parameters will be sampled for each July and October, as explained in Utah Power and Light Company's (UP&L) Hydrologic Monitoring Program Annual Report.

UMC 817.22(e) Topsoil: Removal - (JSL)

The topsoil substitute material analytical data must be evaluated and determined to be the best available material to support the vegetation. A soil analysis must be included in the PAP.

UMC 817.44 Hydrologic Balance: Stream Channel Diversion - (TM)

The current channel design plans for the reclaimed channel are unstable and do not meet a minimum safety factor of 1. Several low energy grade control structures should be incorporated into the design as well as a more stable channel sideslope of 2:5:1 or 3:1.

After running several designs through the riprap design portion of the computer model SedCad, a safety factor of .5 was calculated for current channel and sideslopes. This is unacceptable to the Division, and the channel must be redesigned by the operator incorporating a more stable design.

JJW/djh  
WP+/17-18