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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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November 29, 1988

Mr. David R. Smaldone, Director  
Permitting, Compliance and Services  
Utah Power and Light Company  
Mining Division  
1407 West North Temple  
Salt Lake City, Utah 84110

Dear Mr. Smaldone:

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

The Division technical staff have reviewed the materials dated October 28, 1988, submitted in regard to the above noted mid-term review. The only remaining deficiency at this time are minor revisions needed in the text on pages 2-71 and 2-72. Attached is a Xerox copy with editorial notes indicating deletions and changes that should be made. Your correction of this material and resubmittal will satisfy all requirements necessary to conclude successfully the mid-term review for the Des-Bee-Dove Mine.

Additionally, since the Division received only one copy of the materials dated October 28, 1988, when you resubmit the revised pages, please include five copies of the materials submitted, in addition to the revised pages noted previously.

Thank you for your cooperation in this matter. Please feel free to contact me or Tom Munson if you should have a question on this.

Sincerely,

A handwritten signature in cursive script that reads "John J. Whitehead".

John J. Whitehead  
Permit Supervisor/  
Reclamation Hydrologist

djh  
Attachment  
cc: T. Munson  
AT7/93

HYDROLOGY

UMC 784.14 - RECLAMATION PLAN: PROTECTION OF HYDROLOGIC  
UMC 783.15 BALANCE  
UMC 783.16

The following is a summary of the hydrologic monitoring schedule that will be utilized for the Deer Creek, Cottonwood/Wilberg and Des-Bee-Dove Mines. The area in general encompasses East Mountain. The hydrologic monitoring schedule includes current mine workings, subsided areas and areas where mining is projected during the next five years.

Spring 79-32 will not be monitored in 1988 or hence because flows have not changed during the previous five years of monitoring.

Regarding in-mine monitoring, Utah Power & Light Company, in accordance with its established hydrologic monitoring program collects data regarding groundwater inflow at the Deer Creek and Cottonwood/Wilberg Mines but not the Des-Bee-Dove Mine. Because conditions and access in the mines are ever changing, likelihood that areas that are currently monitored will, at some point in the life of the mine, become inaccessible to monitoring, it is important that our in-mine monitoring be flexible to adapt to these changing conditions. Therefore, UP&L commits to monitoring all water inflows exceeding 5 GPM flow in long-term development entries at their point of entrance to the mine until, 1) they become inaccessible, 2) they become unfeasible to monitor with a permanently installed

*note that the deletion of a spring is based on the review of data by the division and why this statement is included here is not known. Please submit a separate amendment with the pertinent data requesting deletion of this spring.*

*-delete this language*

collection devise, or 3) it is mutually agreed by the Division and UP&L that monitoring of the location is not needed. [This is the situation at the Des-Bee-Dove Mines. This monitoring shall include both quantity and quality (baseline for one quarter <sup>Wilberg!</sup> and operational thereafter).] When conditions, as stated above, make a location inaccessible or unfeasible to monitor, UP&L shall notify the Division in writing to request deletion of the monitoring site. UP&L shall also notify the Division as new monitoring sites are added to the program. The current in-mine monitoring locations are shown on Maps 2-11 "Blind Canyon and Cottonwood In-Mine Water Monitoring Locations" Drawing No. CE-10533-DR dated 9/4/86, and by Map 2-11A "Hiawatha Coal Seam In-Mine Water Monitoring Locations Drawing No. CE-10532-WB dated 9/4/86. These maps will be updated with the submittal of the "1989 Annual Hydrologic Monitoring Report" to be submitted during the first quarter 1989. These in-mine locations pertain to the Cottonwood/Wilberg Mine and the Deer Creek Mine, not the Des-Bee-Dove Mine *for the following reasons.*

The mine workings of the Des-Bee-Dove mines have been dry with the exception of localized short-lived occurrences of ground water. When ground water was intersected in the mine, it was monitored to better understand its occurrence. At the time of the closure of the mines in February 1986 no water was actively flowing into the mine workings. If and when the mine is once again activated UP&L shall inspect the accessible working for water occurrences and shall monitor any occurrences that are found.

*delete this language*