

0014



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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March 13, 1989

TO: Richard V. Smith, Acting Permit Supervisor

FROM: Darin Worden, Reclamation Hydrologist *DW*

RE: Hydrologic Field Data for the Third Quarter plus October, and November and December, Utah Power and Light Company, Des-Bee-Dove Mine, ACT/015/017; Deer Creek Mine, ACT/015/018, and Wilberg/Cottonwood Mine, ACT/015/019, Folders #2 and #7, Emery County, Utah

## Synopsis

Third Quarter and the month of October, and November and December Hydrologic Field Data was submitted by Utah Power and Light Company (UP&L) to the Division on November 25, 1988 and January 27, 1989, respectively. This memo reviews that data.

## Analysis

The operator supplied the proper data and tested for all applicable parameters.

Three larger than acceptable (1-2%) Cation-Anion differences were also found (see List #1).

## Recommendation

Have the operator inform the lab completing the analyses to take proper precautions to alleviate any unacceptable Cation-Anion differences.

Please clarify identification of Deer Creek discharge monitoring stations. We are unclear on what is meant by Oil skimmer #1, 2, 3 and 4.

djh  
Attachment  
AT30/4-5

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Memo to R. Smith  
ACT/015/017, 018 and 019  
March 13, 1989

List #1 - Cation - Anion Balance

| <u>Station</u>                                    | <u>Date</u> | <u>Differences</u> |
|---|-------------|--------------------|
| Deer Creek In-Mine<br>First West Mains<br>XC 242L | 10/26/88    | 0.59 meq/l         |
| First West Mains                                  | 12/15/88    | 1.77 meq/l         |
| Wilberg Runoff<br>Below Mine                      | 12/15/88    | 3.0 meq/l          |

djh  
AT30/5