

0047



Norman H. Bangertter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 14, 1989

TO: Richard V. Smith, Permit Supervisor
FROM: Pamela Grubaugh-Littig, Reclamation Engineer *pgk*
RE: Backfilling and Grading Deficiencies, Five Year Renewal,
Utah Power and Light Company, Wilberg/Cottonwood Mine,
ACT/015/019, Folder #2, Emery County, Utah

Synopsis and Analysis

The Five-Year Renewal response submittal dated June 12, 1989 revised Plates 4-1 and 4-2, Reclamation Maps. A mass balance of the cut and fill requirements was added to these plates and "highwalls" were indicated in the service yard. In so doing, however, the applicant did not justify retaining these highwalls as required by UMC 817.101(b)(8). Also, "highwall retention" must be noted on the plates.

A stability analysis must demonstrate that the final reclaimed slopes at the Wilberg/Cottonwood Mine area and Cottonwood Fan Portal area meet the requirements of UMC 817.101(b)(1).

The narrative describes the final slopes as meeting Roberts and Schaefer specifications of 2H:1V for final reclamation. However, the specifications (page 15 of Construction Specifications) state 1.5H:1V. This discrepancy must be corrected.

The Roberts and Schaefer "reclamation" specifications should be included in the reclamation portion of the text and clearly denoted as such. The mass balance for the Cottonwood Fan Portal reclamation must be added to Plate 3-14.

Recommendations

The following items must be addressed for inclusion in the Permit Application Package for the Five-Year Renewal response.

Page 2
Memo to R. V. Smith
ACT/015/019
June 14, 1989

1. Justification for retention of highwalls in the text.
2. "Highwalls Retained" noted clearly on the final reclamation maps.
3. Stability analysis for the final reclaimed slopes at the mine site and the Cottonwood Fan Portal must demonstrate that the final configuration meets the required safety factor.
4. The mass balance must be added to Plate 3-14, Cottonwood Fan Portal, final reclamation.
5. The Roberts and Schaefer final reclamation (not construction) specifications must be included in the text and be consistent throughout the PAP.

djh
cc: D. Smaldone, UP&L
AT4/61-62