

388 East Boynton Road • Kaysville, Utah 84037 • (801) 544-3641

13 July 1992

Pamela Grubaugh-Littig  
Permit Supervisor  
Utah Division of Oil Gas & Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

*Copy PAM*  
**RECEIVED**

JUL 14 1992

DIVISION OF  
OIL GAS & MINING

Dear Pamela:

Re: Diversion Designs, Related to NOV #N92-40-3-1, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025, Emery County, Utah

Two copies of Plates 7-1C (Rev 5 & 6), 7-5 (Rev 3 & 4) and 8-5C (Rev 2) and two copies of pages 7-87, 7-87A and pages 49 thru 79 of Appendix 7-G were submitted in April 1992. The submittal was returned the end of May after some errors in top widths of ditches were found. This submittal includes new calculations and summary tables.

Calculations in the approved PAP were generated by EarthFax Engineering using their on-site survey of as-built cross sections. The new calculations and tabulated cross sections etc. have been generated based on the required hydrologic design event. Maintenance and inspections should be easier to conduct using the actual requirements included in this submittal.

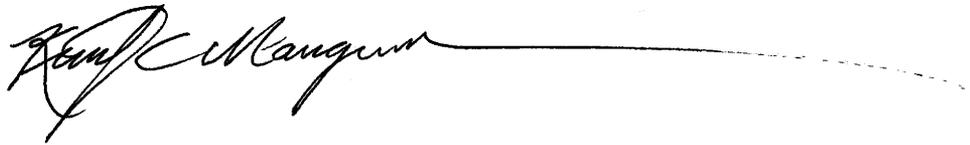
The April submittal noted that two ditches near the tipple area had been labeled D-10D and D-10aD (See Plate 7-1C). The change in the angle of the loadout crossover belt was also noted. No copies of the revised Plates are included with this submittal because the modifications are included in later copies submitted to the Division. Two copies of pages 7-87, 7-87A, and pages 46 thru 104 of Appendix 7-G are included for your review.

Please note that ditches to be incorporated in the Shower House proposal are also included (D-9D, extension of D-8U, and D-14U). This proposal has been held back waiting for final review and approval of other open issues. The shower house proposal will be submitted Thursday 16 July 1992 during our scheduled meeting to review these open issues including the 8 May 1992 submittal.

DOGM  
July 1992  
Page 2

The copies of the proposed revised pages are marked "DRAFT" to differentiate them from those previously approved. Additional copies will be forwarded to the Division upon receipt of written approval. I understand that the Division has many obligation but we would appreciate you soonest attention. Please notify me if there are any questions or concerns regarding this matter.

Thank you,

A handwritten signature in black ink, appearing to read "Kimly C. Mangum", with a long horizontal flourish extending to the right.

Kimly C. Mangum, P.E.

cc: Co-Op Mining Co.  
attachment(s)

# CO-OP MINING COMPANY

P.O. Box 1245  
Huntington, Utah 84528



(801) 381-5238  
Coal Sales (801) 381-5777

20 July 1992

Pamela Grubaugh-Littig  
Permit Supervisor  
Utah Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

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JUL 20 1992

DIVISION OF  
OIL GAS & MINING

Ms. Grubaugh-Littig,

Enclosed please find a proposal designed by Mangum Engineering Consultants for a PAP modification and/or violation abatement. Please review and notify Co-Op Mining Company upon approval of the attached proposal. Thank You.

Sincerely,

A handwritten signature in cursive script that reads "Wendell Owen". The signature is written in dark ink and is positioned above the printed name and title.

Wendell Owen  
Resident Agent