



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangert  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

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

May 7, 1991

Mr. Wendell Owen  
Co-Op Mining Company  
P.O. Box 1245  
Huntington, Utah 84528

Dear Mr. Owen:

Re: Inadequacy of Water Monitoring Map (Plate 7-4) and Watershed Map (Plate 7-5)  
NOV #N90-34-1-1, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025,  
Folder #2, Emery County, Utah

Plates 7-4 and 7-5 are both unacceptable as submitted on April 22, 1991. The attached memo outlines some of the problems still associated with these maps. Information required for these maps was outlined in NOV #N91-34-1-1.

Complete and technically adequate maps have not been submitted to the Division as of this date. It is incumbent upon Co-Op Mining Company to maintain complete and adequate information for the permit at all times (R614-301-121.100 and R614-301-122.200).

Please correct these maps, so that they are complete and technically adequate, by May 17, 1991. If these maps are not corrected, enforcement action may be taken by that date.

Sincerely,

Pamela Grubaugh-Littig  
Permit Supervisor

jbe

cc: Eldon Kingston  
Lowell Braxton  
Tom Munson



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May 6, 1991

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Thomas Munson, Senior Reclamation Hydrologist *TM*

RE: Adequacy of Hydrology Maps, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025, Folder #2, Emery County, Utah

## Synopsis

The following plates, 7-4 and 7-5, were submitted April 22, 1991, and have been reviewed by the Division.

## Analysis

Plate 7-4, Water Monitoring Plate: This plate is inadequate. There is: 1) No north arrow; 2) No water rights shown; and 3) No coal outcrops.

Plate 7-5, Watershed Map: This plate is unclear and the differentiation between disturbed and undisturbed areas cannot be adequately determined.

## Recommendation

Plates 7-4 and 7-5 must be redone.

jbe  
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