



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 7, 1986

CERTIFIED RETURN RECEIPT REQUESTED  
P402 459 386

Mr. Melvin A. Coonrod  
Permitting and Compliance  
Co-op Mining Company  
P.O Box 1245  
Huntington, Utah 84528

**FILE COPY**

Dear Mr. Coonrod:

Re: Final Approval, NOV Abatement Plans, Sediment Pond Embankment  
Slope and Stream Channel Diversion, N85-4-26-3 (1 & 2 of 3),  
Co-Op Mining Company, Bear Canyon Mine, ACT/015/025,  
Folder No. 4 & 7, Emery County, Utah

An inspection of the construction required for abatement of the above mentioned NOVS was conducted by Division Hydrologist, Tom Munson, on June 10, 1986 (refer to attached memorandum). It was determined that the the completed structures effectively address the conditions outlined in the Division's November 1, 1985 letter and final approval is hereby granted.

Thank you for your cooperation in this permitting matter. Should you have any questions or concerns, please feel free to contact me or Tom Munson at your earliest convenience.

Sincerely,

D. Wayne Hedberg  
Permit Supervisor/  
Reclamation Hydrologist

Review Chronology:

- A. Operator Submittals  
1. 10/30/85  
2. 12/17/85

- DOGM Responses  
1. 11/1/85  
2. 7/3/86

DMW:jvb

Enclosure

cc: Allen Klein Tom Munson  
Lowell Braxton John Whitehead  
Dave Lof

0851R-16



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June 16, 1986

TO: File

FROM: Tom Munson *TM*

RE: Site Inspection of Gabion Structures & RipRap on Embankment of Pond "B" for Abatement of Violations N85-4-26-3 (1 of 3) and N85-4-26-3 (2 of 3), Bear Canyon Mine, COOP Mining Company, ACT/OL5/025, File #7, NOV 85-4-26-3 (2 of 3)

On June 10, 1986, at 3:00 pm, I met with Mel Coonrod at the Bear Canyon Mine to inspect the installation of small riprap on the embankment of sediment pond "B" and the construction of gabion structures. Unfortunately, I was unable to oversee the construction of the gabion structures in Bear Creek because I was out of town at the time of construction. The gabions as they are currently constructed appear to meet the minimum requirements of the construction plans. Filter cloth instead of a filter gravel blanket was used to underline the structures. Since I was not on site to inspect the construction, photos were taken by Mel Coonrod, showing construction procedures.

I could not visually ascertain if the design requirements of the construction plans were strictly adhered to, therefore erosion associated with a storm event of sufficient magnitude may cause gabion failure.

It was requested that additional rock be placed downstream of the third structure and that Mr. Coonrod would take care of this immediately.

NOV 85-4-26-3 (1 of 3)

Mr. Coonrod installed 1" minus gravel between the larger rocks on the embankment of sediment pond "B" to fill in the voids between the 12" plus riprap currently in place on the embankment. This also appears to meet the minimum requirements of the original design requirements of 12-inch plus well-graded riprap.

Recommended Actions

In summary, I recommend that NOV 85-4-26-3 (1 of 3 and 2 of 3) be terminated.

djh  
Copy: Tom Wright, John Whitehead and Joe Helfrich  
9486R-18