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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

015/025 #2
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

November 5, 1987

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

Dear Mr. Coonrod:

Re: Review of PAP Amendment, Clarification of Ground H2O
Monitoring Locations, Co-Op Mining Company, Bear Canyon Mine,
ACT/015/025-87D, Folder #2, Emery County, Utah

Division Hydrologist Tom Munson has completed reviewing the plans received September 8, 1987 for the PAP amendment referenced above, and has determined them to be technically deficient. Please refer to the attached Technical Review Memorandum for an explanation of the information still required before approval may be considered for this amendment.

Please provide all of the requested information by November 23, 1987. Thank you for your cooperation in completing this permitting action. Please call me or Tom Munson should you have questions regarding this amendment review.

Sincerely,

A handwritten signature in cursive script that reads "D. Wayne Hedberg".

D. Wayne Hedberg
Data Management Coordinator

djh
Attachment
cc: R. Hagen T. Munson
 P. Rutledge J. Whitehead
 D. Ariotti P.F.O.
8992R/20



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October 30, 1987

TO: John Whitehead, Permit Supervisor
FROM: Tom Munson, Reclamation Hydrologist
RE: Clarification of Monitoring Locations for the Bear Canyon Mine, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025-87D, Folder #2, Emery County, Utah

History of Proposal

On August 12, 1987, I prepared a memo which discussed the review of Co-Op Mining Company's Annual Hydrologic Monitoring Report. This memo pointed out discrepancies in both the surface and ground water monitoring parameters and locations. On September 8, 1987, the Division received a memo from Co-Op Mining Company addressing these discrepancies. The operator cleared up the discrepancies regarding the sampling of surface water parameters. The ground water discrepancies, both location and description, were to be cleared up by the submittal of text and a map.

Analysis

The Division has received the request regarding elimination of monitoring Birch Springs and the "mine sump area". The following recommendations are made regarding these two issues. The remainder of the issues, concerning the monitoring location discrepancies, will have to wait until the revised monitoring location map is received.

Recommendations

1. The operator must submit a map and text within two (2) weeks of receipt of this review to clarify sampling point locations for insertion into the PAP.
2. The plan must be revised to commit to providing annual water quality and quantity data from the Special Services District for Birch Spring for inclusion into the Annual Report. If and when the operator can provide a water sample during overflow of the junction box at Birch Spring,

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Memo to J. Whitehead
ACT/015/025
October 30, 1987

Recommendations

2. (cont'd) he will specifically denote what data he collects and what data comes from the Special Services District in his Annual Report. Since the baseline monitoring requirements have been satisfied for this location, the operator will sample for operational water quality, lab and field parameters, when available, until conclusion of mining at Bear Canyon.
3. The plan must be revised to commit to installing a flow meter for the outflow from the "mine sump area" and include monthly flow readings in the Annual Report. This information must be in the form of gallons/day and gallons/month and be obtained from a totalizing flow meter.

djh
9486R/14