



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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March 7, 1984

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

RE: Final Conditional
Approval to Abate
Violation 83-5-8-3, 2 of 3
Bear Canyon Mine
ACT/015/025, Folder #3 and 7
Emery County, Utah

Dear Mr. Owen,

The issues addressed in the Division's letter of January 30, 1984 regarding abatement plans to Violation 83-5-8-3 involved a resubmission of information by Co-Op on February 29, 1984. This information has been reviewed and the following conditions have to be agreed upon before final approval is given by the division to abate the violation.

The resubmitted plan should include some narrative addressing the following issues that were not adequately addressed in the resubmittal. They are as follows:

1. Accurate dimensions must be submitted for the inlets and outlets to the pond and a cross-section showing these dimensions will be put on the Sedimentation Pond "A" Plate.
2. The letter submitted by Co-Op from Mr. H. Lee Wimmer, P.E., to Mr. Wendell Owen, does not adequately explain the engineering calculations submitted to the Division on February 29, 1984. After a phone conversation with Mr. Wimmer on March 7, 1984, it was explained to him what information was needed to make the plan complete. This information will include a narrative tying together the calculations submitted with the background information used in the mine plan. This narrative will also include any coefficients used in computing, also all detailed hydrologic calculations, (i.e) coefficients for the broad crested wier formula, slopes, peak flows, etc.

3. Adequate protection of the inlet and outlet structures to the pond including rip-rap size and depth based on expected velocities for the 24 hour - 25 year storm.
4. Stability Analysis of the outside slopes of the sediment pond based on established engineering criteria must be submitted by June 1, 1984.
5. Co-Op should realize that the Utah State Health Department may require an effective Oil Skimming Device sufficiently above the designed sediment level in order to be able to decant the pond. They should submit their revised pond drawing to Steve McNeal of State Health.
6. Co-Op will indicate on Sedimentation Pond "A" Pond Plate the accurate sediment level elevation and make a commitment in the plan to mark the 60% sediment pond clean out level with an easily distinguishable marker.

Please submit this information by March 16, 1984 so that Violation 83-5-8-3 can be vacated. Any questions with this, please feel free to call the Division.

Sincerely,

Thomas Munson

Thomas Munson
Reclamation Hydrologist

TM:grc

cc: Joe Helfrich
Ken Wyatt
John Whitehead
Wayne Hedberg
Mary Boucek

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