



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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October 9, 1984

CERTIFIED RETURN RECEIPT REQUESTED
(P492 430 104)

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

Dear Mr. Coonrod:

RE: Sediment Pond A Stability Analysis, Bear Canyon Mine,
ACT/015/025, #4 and #7, Emery County, Utah

The Division has received Co-op's latest response (August 2, 1984) to respond to the deficiencies identified in the Determination of Completeness/Technical Deficiency Document of March 27, 1984, UMC 817.46(4). The following comments regarding your stability analysis must be addressed before reconstruction of the sedimentation pond takes place.

Slope Stability of Sediment Pond A

The method of analysis by Horrocks/Carollo Engineers is adequate to prove slope stability of the sedimentation pond.

However, computer analysis of the sediment pond apparently does not include submergence of the interior slopes of the pond. If submergence was input into the analysis, no indication is made on the output format.

The consultant should rerun analysis with submergence included. The Division recommends that submergence be included under the three following conditions.

1. Sediment pond full.
2. Sediment pond empty.
3. Sediment pond half-full.

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Mr. Melvin A. Coonrod

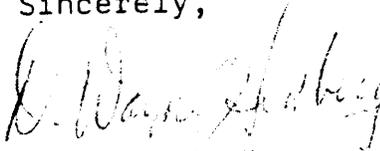
ACT/015/025

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Submergence may have significant impact on interior slopes. The engineers must assure saturation of soils for all cases to be the same as that shown in the initial calculations as rapid drawdown or dewatering of the sediment pond would cause such a situation.

Please respond to these comments within 15 days of receipt of this letter. Thank you for your submittal of this material. Hopefully we can resolve the remaining concerns in the very near future. Should questions arise, please call Tom Munson or myself at your earliest convenience.

Sincerely,



D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

TM/btb

cc: Mary Boucek
Pam Grubaugh-Littig
Randy Harden
Ev Hooper
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