

0003



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

February 6, 1996

Charles Reynolds  
Co-Op Mining Company  
P. O. Box 1245  
Huntington, Utah 84528

Re: Sediment Pond "B" Clean Out, Bear Canyon Mine, Co-Op Mining Company,  
ACT/015/025-95M, Folder #3, Emery County, Utah

Dear Mr. Reynolds:

I would like to refer your attention to the analysis portion of Bob Davidson's attached Technical Analysis which indicates that the high coarse fragment percentage of the waste renders the material unacceptable for use as suitable topsoil media. We would, however, be more than happy to evaluate an amendment delineating proper disposal of the material in a designated portion of the permit area.

Please feel free to submit a change to your Mining and Reclamation Plan at your convenience.

Sincerely,

A handwritten signature in cursive script that reads "Joseph C. Helfrich".

Joseph C. Helfrich  
Permit Supervisor

mt  
cc: Pete Hess  
a:ACT015.95M





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

January 31, 1996

TO: File

THRU: Joe Helfrich, Permit Supervisor 

FROM: Robert Davidson, Soils Reclamation Specialist *RAD*

Re: Determination of Acid-Toxic Forming Potential, Pond "B" Sediment Clean Out, Bear Canyon Mine, Co-Op Mining Company, ACT/015/025-95M, Folder #2, Emery County, Utah

**SYNOPSIS**

Co-Op Mining Company (Co-Op) removed sedimentation pond waste from Sediment Pond "B" to temporary storage in September 1995. Inter-Mountain Laboratories, Inc., Farmington, New Mexico received two Pond "B" sediment samples from Co-Op on October 4, 1995. Analysis results were completed and sent to Co-Op on November 14, 1995.

On November 28, 1995, Co-Op requested approval of the Utah Department of Natural Resources, Division of Oil, Gas and Mining (DOGM) to place the Pond "B" sedimentation pond waste into permanent storage on the surface of the coal stockpile area. For the purpose of assessing the suitability of Pond "B" sediment for permanent storage, Co-Op asked DOGM to review the analyses' results for acid-toxic forming potential.

**Regulatory Requirements:** R645-301-528.310, R645-301-535.100 through R645-301-535.500. Excess Spoil.

**ANALYSIS**

The DOGM's "Title V Coal Program Policy for Disposal of Sediment Pond Waste" state that all sedimentation pond waste (if not acid- and/or toxic-forming) is classified as **Excess Spoil**. Tests were performed by Co-Op to characterize the acid- and/or toxic-forming potential of the waste material prior to disposal. The soil analyses' results supplied by Co-Op show that the sedimentation pond waste was neither acid- nor toxic forming based on the Acid Base Potential, Selenium, and Boron results. In addition, pH, EC, soluble Ca, Mg, and Na, SAR, and Organic Carbon were within the guidelines' acceptable limits. As a note, the high Coarse Fragment percent of the waste renders the material unacceptable for use as substitute top soil (R645-301-233.200).



**FINDINGS**

The sedimentation pond waste is neither acid- nor toxic-forming based on "Title V" guidelines. The waste material is therefore classified as **Excess Spoil**.

**RECOMMENDATION**

Since the sedimentation pond waste is classified as **Excess Spoil**, disposal must follow the regulated Operation Plan (R645-301-528.310) for handling and disposal of excess spoil and the Operational Design Criteria and Plan (R645-301-535) for spoil placement and disposal. Since **Excess Spoil** must be placed within a designated disposal area within the permit area, it is not permissible to place the sedimentation pond waste on the surface of the coal stockpile area. Coal processing areas and **Excess Spoil** disposal areas are two separate entities and must be kept segregated.