



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

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January 21, 1994

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Henry Sauer, Senior Reclamation Soils Specialist 

RE: Analytical Results of Sediment Pond Waste from Sediment Pond "A", Co-Op Mining Company, Bear Canyon Mine, ACT/015/025, Folder #2, Emery County, Utah

SYNOPSIS

Laboratory analyses of sediment pond waste from Sediment Pond "A" has been submitted (received January 10, 1994) to the Division.

After review of the sediment pond waste analysis this writer finds that the sediment pond waste removed between October 4, 1993 and November 6, 1993 from Sediment Pond "A" exceeds the toxicity limits promulgated in the Title V Coal Program Guideline for Disposal of Sediment Pond Waste (November 26, 1990).

ANALYSIS

According to the values reported by Chemtech Analytical Laboratory (Laboratory # U101392 & U101393) the selenium and boron concentrations of the sediment pond waste exceed allowable limits (see table below) as set forth in the Title V Coal Program Guideline for Disposal of Sediment Pond Waste (November 26, 1990).

Lab No.	Selenium	Se limit	Boron	B limit
U101392	< 4 mg/Kg	0.1 mg/Kg	93.6 mg/Kg	5.0 mg/Kg
U101393	< 4 mg/Kg	0.1 mg/Kg	94.2 mg/Kg	5.0 mg/Kg



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RECOMMENDATION

The permittee must handle and dispose of the aforementioned sediment pond waste in accordance with the provisions of the R645-301 Utah Coal Mining Rules which apply to acid and/or toxic forming materials.