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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

July 11, 1991

Mr. Ben Grimes
Plateau Mining Company
P.O. Drawer PMC
Price, Utah 84501

Dear Mr. Grimes:

Re: Refuse Pile Drainage, Cyprus-Plateau Mining Company, Star Point Mines,
ACT/007/006-DO-91A, Folder #2, Carbon County, Utah

Enclosed please find a memo identifying two more items that must be addressed regarding the refuse pile drainage. Please submit this information by July 26, 1991.

Sincerely,

A handwritten signature in cursive script, reading "Pamela Grubaugh-Littig".

Pamela Grubaugh-Littig
Permit Supervisor

jbe
Enclosure
cc: Tom Munson
AT007006.3



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July 11, 1991

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Tom Munson, Senior Reclamation Hydrologist *TM*

RE: Review of Division Order ACT/007/006-DO-91A, Cyprus-Plateau Mining Company, Star Point Mine, ACT/007/006-DO-91A, Folder #2, Carbon County, Utah

SYNOPSIS

The Division sent a Division Order to Cyprus-Plateau regarding drainage associated with the coal refuse pile. This memo reviews Plateau's June 7, 1991 response to the Division Order.

ANALYSIS

The operator will implement a drainage plan incorporating the design event associated with the 100 year - 6 hour storm. The current surface area of the pile equals 24.9 acres. A berm will be placed around the refuse pile to contain and direct runoff to the proposed drainage culvert. Any one of the three sizes analyzed can be selected for use.

This plan addresses the requirements associated with R614-301-746.212. It was factored in the design that the refuse pile is a dynamic structure. The out slopes are regraded once a year and all drainage is diverted from the out slopes into sediment control facilities in ditches designed to handle the 100 year - 6 hour storm. The Division feels this is a workable plan meeting the design requirements of the regulations. The plans are acceptable except for the plate which shows the watershed area and culvert location. This plate will be prepared and certified according to the requirements of R614-301-512 as requested in R614-301-731.720.

The Division also requests that the operator show inlet protection for the culvert to prevent blockage of the inlet from coal refuse debris per the requirements of R614-301-742-423.2.

Once these two issues are cleared up, I feel this amendment will be approvable.

RECOMMENDATION

The operator provide these two items:

- 1) A plate must be prepared and certified according to the requirements of R614-301-512 and R614-301-731.720, showing the watershed drainage area and culvert location.
- 2) Inlet protection must be supplied to prevent blockage of the inlet from coal refuse debris per the requirements of R614-301-742.423.2.

mbm/jbe
ATDO007006.TM