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Norman H. Bangerter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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

July 7, 1992

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Thomas Munson, Senior Reclamation Hydrologist 

RE: NOV N92-26-2-1 Request for Extension of Abatement, Cyprus Plateau Mining Corporation, Star Point Mine, ACT/007/006, Folder #2, Carbon County, Utah

## Synopsis

The Division received on July 6, 1992 a submittal from Cyprus Plateau Mining Corporation showing abatement measures for NOV #N92-26-2-1 and a request for an extension to address all the concerns associated with the runoff conveyance from the entire pile and address any additional concerns with other aspects of the pile, namely whether the pile can be successfully reclaimed with the slopes planned. This memo will discuss both the submittal and the request for an extension.

## Analysis

The calculations submitted were based on the 10-year/6-hour storm event which does not adequately address the requirements of R645-301-746.212 requiring the 100-year/6-hour design precipitation event.

The request for an extension does seem valid based on all the design considerations existing both operationally and with regards to final pile configurations. As it was noted, in the Division's letter to Mr. Grimes of June 30, 1992, the operator should request a meeting to discuss long term planning issues for the refuse pile. With some revisions to the PAP it would appear that successful reclamation of the pile would become more realistic. In working towards that goal it becomes imperative that the operator put as much comprehensive thought into any designs as possible, benefitting both the Division and the Operator.

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Some of the issues at stake are long term erosion control on reclaimed steep long slopes with minimal topsoil and vegetative cover, long term sediment control, and bond release.

### Recommendations

The operator be required to submit a revised plan using the 100-year/6-hour storm event as the design criteria for any diversion designs associated with the refuse pile.

A meeting be set up with Mr. Grimes to discuss Refuse pile reclamation issues and final configuration. The proper extension be granted to allow both the operator and the Division sufficient time to review any modifications to the pile design or exclude it from the NOV abatement process and include it in the Permit renewal review.

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