

Misc File

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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter
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

May 5, 1989

Mr. Benjamin Grimes
Senior Environmental Coordinator
Plateau Mining Company
P. O. Box Drawer PMC
Price, Utah 84501

Ben

Dear Mr. Grimes:

Re: Mid-Term Stipulation 817.71-.74, Acid- and Toxic-Forming Materials,
Cyprus-Plateau Mining Corporation, Star Point Mine, ACT/007/006, Folder #2,
Carbon County, Utah

The Division has reviewed the latest submittal by Plateau Mining Company (PMC) concerning final disposal of refuse. Moreover, the Division has re-reviewed the three previous submittals regarding Stipulation 817.71-.74. Inasmuch as the submitted information has not demonstrated that prior to reclamation acid- and toxic-forming materials will not occur in the refuse pile, PMC must provide plans to achieve compliance with Stipulation 817.71-.74 (see attachment).

The Division requests that PMC submit plans for baseline sampling and analyses of plant and soil/refuse material and monitoring the refuse pile prior to final reclamation by no later than May 31, 1989.

Sincerely,

Lowell

Lowell P. Braxton
Associate Director, Mining

vb
Attachment
MI13/53



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May 3, 1989

TO: Richard V. Smith, Acting Permit Supervisor

FROM: Henry Sauer, Reclamation Soils Specialist *HS*

RE: Mid-Term Stipulations 817.71-.74, Acid- and Toxic-Forming Materials, Cyprus-Plateau Mining Corporation, Starpoint Mine, ACT/007/006, Folder No. 2, Carbon County, Utah

Synopsis

Plateau Mining Corporation (PMC) has continually solicited the Division's response concerning issues relative to Stipulation 817.71-.74, Disposal of Excess Spoil and Underground Development Waste.

Analysis

To date, the Division has not received conclusive evidence to determine that the refuse material produced at the Starpoint Mine is non-acid and non-toxic forming.

PMC has submitted plans (letter to DOGM March 8, 1989) for a baseline sampling program which would involve the collection and analyses of plant and soil/refuse material within the revegetation test plots to determine the potential correlations between plant-soil Selenium concentrations. The Division encourages such investigations and approves of the sample program methodology. However, the baseline sampling program should be conducted periodically up to the time of final reclamation. At that time, current technology and a complete understanding of the subject may be asserted.

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Memo to R. Smith
ACT/007/006
May 3, 1989

Recommendations

1. As stated in previous memos to file (December 28, 1987, February 3, 1988, and September 29, 1988) the operator must commit to conducting a refuse pile monitoring program just prior to final reclamation. The monitoring plan shall include a discussion of the potential for, and mitigation of, water quality impacts and revegetation problems attendant to the refuse pile.

To address the concerns regarding acid- and/or toxic-forming materials in the PMC refuse pile at the time of final reclamation, a plan shall be submitted to include:

- A. A schedule of refuse monitoring (to be conducted at least two years prior to abandonment of the refuse pile).
- B. Sample spacing or grid spacing.
- C. Depth intervals at each sample point.
- D. Constituents to be analyzed (at a minimum: Selenium, Acid-Base Potential [to include Pyritic-Sulfur percent and Organic-Sulfur percent], Electrical Conductivity, Boron, and pH).
- E. Mitigation measures to be taken if acid-forming and/or toxic-forming materials are encountered as required under UMC 817.103.

2. The baseline sampling program should include plans to conduct soil/refuse-plant analyses periodically (i.e. 5 years) up to the time of final reclamation.

djh
AT23/62-63