



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

ACT/007/006 #4  
Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

September 9, 1987

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

Dear Mr. Grimes:

Re: Review of Stipulation Response, Stipulation UMC  
817.101-(1)-(PGL), Plateau Mining Company, Star Point Mines,  
ACT/007/006, Folder #4, Carbon County, Utah

Attached are two (2) Memorandums outlining the review of the above-noted submittal. Several items need to be corrected on the stability analysis to adequately address this stipulation (UMC 817.101-(1)-(PGL). Additionally, a map identifying all highwalls to be retained will be needed to address the highwall retention issue.

Please feel free to contact Pamela Grubaugh-Littig if you have questions on the review.

Would you please have the response to these matters to the Division office by September 30, 1987. Thank you for your cooperation in this matter.

Sincerely,

John J. Whitehead  
Permit Supervisor/  
Reclamation Hydrologist

djh  
Attachments  
cc: P. Grubaugh-Littig  
0800R/57



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August 19, 1987

TO: John Whitehead, Permit Supervisor

FROM: Pamela Grubaugh-Littig, Reclamation Engineer *pgl*

RE: Stability of Backfilled Areas, Rollins, Brown & Gunnell-Stability Analysis Dated July 30, 1987, Plateau Mining Company, Star Point Mine, ACT/007/006, Folder #2, Carbon County, Utah

I reviewed the stability analysis from Rollins, Brown and Gunnell dated July 30, 1987. This brief analysis involved one cross-section of the Lion Deck Road. As shown on Section A-A, it was stated that the general slope is steeper than 1.5:1, which is true; it is about 1.3:1 (h:v). However, the next statement notes that the roadway cut has a slope of 1:2.5 (h:v) but is graphically shown as 1.5:1. This is a discrepancy and an explanation is needed.

Additionally, the letter from Dr. Rollins states that shear strength parameters are shown on the figure. The figures do not include that information and it should be included. Moreover, the strength parameters should be site-specific. Where were samples taken of the site and generalized to represent all of the backfilled areas? An explanation of the parameter assumptions should be submitted.

The complete stability analysis with the failure surfaces must be included. How many failure surfaces were generated? What assumptions, if any, were made for saturation. All of the analysis should be included in the submittal.

djh  
9075R/45



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August 19, 1987

TO: John Whitehead, Permit Supervisor

FROM: Pamela Grubaugh-Littig, Reclamation Engineer *pgl*

RE: Stipulation Response for Backfilling and Grading (UMC 817.101) Submitted July 29, 1987, Plateau Mining Company, Star Point Mines, ACT/007/006, Folder #2, Carbon County, Utah

The latest response from Plateau Mining Company for UMC 817.101(b)(8) addresses retained highwalls and is adequate as far as meeting criteria for highwall retention. However, all of the retained highwalls must be identified as such on a map (or maps).

I reviewed the stability analysis for the backfilling and grading under separate cover.

The additional cross-sections of the refuse pile are adequate.

djh  
9075R/47