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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

ACT/007/006 #2

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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.

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