



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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Mine file

September 13, 1994

Ben Grimes
Cyprus Plateau Mining Corporation
P. O. Drawer PMC
Price, Utah 84501

Re: Deficiencies in Slide Mitigation Plan, Cyprus Plateau Mining Corporation, Star Point Mine, ACT/007/006-94E, Folder #2, Carbon County, Utah

Dear Mr. Grimes:

The Division has completed a review of the plans submitted to mitigate the landslide that occurred on May 2, 1994, at the Star Point Mine. While the activities that have occurred to date are appropriate for the mitigation of the slide, your plans cannot be considered complete and must be supplemented. The following areas need to be addressed:

1. **Stability.** The current plan does not discuss stability. While there has not been any visual movement of the slide since the sewer line has been replaced, documentation is needed to demonstrate that the slide area in the interim period until reclamation takes will be stable.
2. **Pre-Topsoiling Practices.** The current plan does not discuss methods to interface the fill material with the topsoil material.
3. **Topsoiling.** The plan does not discuss the source of topsoil material or additives that may need to be used.
4. **Seedbed Preparation.** The plan does not discuss the seedbed preparation. The topsoiled area should be in a roughened condition with the seedbed firm and not crusted.
5. **Seeding.** The plan does not discuss the seeding method and other essential details. The seed mix should be identified as part of this plan.
6. **Post Seeding.** The plan is somewhat sketchy on the post-seeding measures that will be implemented. The use of erosion control netting or mulch should be described.

Page 2
Cyprus Plateau
ACT/007/006-94E
September 13, 1994

7. Road Reconstruction. The plan does not discuss the road reconstruction. Some questions need to be answered such as: Will the road be blacktopped? Will the Jersey barriers be removed? and Will a berm or a ditch be installed to prevent road runoff from discharging onto the slide area?

Since the June 15th plan indicates that the slide mitigation will be considered permanent reclamation, the plan should be incorporated into your overall Mining and Reclamation Plan as an amendment. Cyprus should submit a revised plan which addressed the above issues and which is insertable to your Mining and Reclamation Plan by no later than October 12, 1994. Thank you for your cooperation during the permitting process.

Sincerely,



Daron R. Haddock
Permit Supervisor

vb
cc: P. Grubaugh-Littig
J. Helfrich
B. Malencik
SLIDEMIT.STA