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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

November 15, 1983

P324-743-396
CERTIFIED RETURN RECEIPT REQUESTED

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

RE: Plans submitted for abatement
of NOV83-4-14-1
Star Point Mines
ACT/007/006, Folder No. 7
Carbon, County, Utah

Dear Mr. Grimes:

As I discussed with Mr. Bob Lauman of Plateau, on November 4, 1983 the Division has done a cursory review of the plans submitted in response to NOV83-4-14-1. We have found the use of 54 inch diameter half round culvert installed at a minimum slope of 5% will be acceptable. As I told Mr. Lauman, the half round culvert should be ordered immediately so that it can be installed as soon as possible. The operator is expected to make every attempt possible to complete the remedial actions required for the abatement of the violation within the 90 day maximum time available for abatement of a violation in accordance with UMC 843.12(c) & (d). However, we are aware of the possible onset of winter weather conditions which may dictate that the project be completed in the spring of 1984. In the interim, prior to receiving the half round culvert, we agree that you, the operator, should repair and maintain the existing ditch so that it meets the approved size specifications.

Prior to the approval of this abatement plan, and revision to your approved Mining and Reclamation Plan, the following information must be submitted within two weeks from receipt of this letter. The applicant must submit plans for the proposed rock apron outlet protection. This plan must include calculation with assumtions (i. e. final slope of culvert) of exit velocity, riprap size to be installed, and extent and slope of the apron.

In closing I would like to make several corrections or clarifications, as they may be, in regard to the second paragraph on page two of your November 1, 1983 letter.

Ditch No. 14 was designed and approved to pass safely the peak runoff from a 50 year, 24 hour precipitation event (as was ditch No. 9).

UMC 817.43(a) further states "However, temporary diversions designed to divert runoff from the sediment ponds" (i.e. diversion ditch No. 14) "must be designed and constructed to pass safely the peak runoff from a 10 year, 24 hour precipitation event." In this instance a larger event may be specified by the Division.

The Divisions policy is that the design event criteria will vary in relation to the specific conditions found at each site, the requirement of 25 year, 24 hour event criteria for temporary diversion of natural drainages is not uncommon. Therefore, the use of a 25 year, 24 hour event or even a 50 year, 24 hour event design does not greatly exceed the requirements of the regulations nor is it inconsistent with Division policy. Food for thought: What would happen to sediment pond No. 6 if diversion ditch No. 14 was sized for a ten year 24 hour event and a 25 year, 24 hour event occured.

In any matter the 54 inch half round culvert is large enough to safely pass the peak runoff from a 50 year, 24 hour event.

We appreciate your timely response to the remedial actions for NOV83-4-14-1. If you should have any questions concerning this letter or any other matter please do not hesitate to call myself or Joe Helfrich, Field Supervisor.

Sincerely,

David Lof

DAVID LOF
FIELD SPECIALIST

DL/jvb

cc: Tom Ehmett, OSM
Rick Summers, DOGM
Wayne Hedberg, DOGM
Joe Helfrich, DOGM