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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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June 5, 1985

CERTIFIED RETURN RECEIPT REQUESTED
(P402 457 177)

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

Dear Mr. Grimes:

RE: Review Comments for Sediment Pond #2, Star Point Mines,
ACT/007/006, #3, Carbon County, Utah

The Division's technical staff has reviewed the design plans for the #2 Sediment Pond received by the Division May 10, 1985 as well as those pertinent portions of the January 23, 1984 "as-built" runoff and sediment control plan for the Star Point Mines. These designs have been submitted to address a deficiency pointed out in the August 2, 1984 conditional approval letter regarding the "as-built" runoff and sedimentation control plan modification request of January 3, 1984. Based on the above review, the Division has the following concerns regarding the designs for the #2 Sediment Pond:

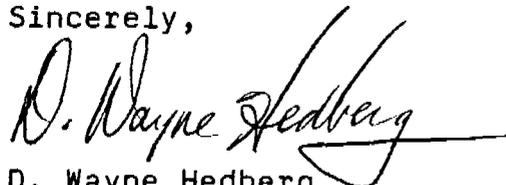
1. The sizing for the principal spillway does not appear to be adequate. Based on the Division's peak flow review the principal spillway for the #2 Sediment Pond must be capable of passing approximately 16 cfs. As presently designed, the spillway for the #2 Sediment Pond is limited by the 12 inch barrel culvert through the embankment at approximately 10.5 cfs;
2. No emergency spillway has been incorporated into the #2 Sediment Pond design. UMC 817.46(i) requires that an appropriate combination of spillways, one emergency and one principal spillway, be used for the conveyance of excess flows through the sediment pond. The purpose of this requirement is to prohibit possible failure of the sediment pond because the principal spillway pipe becomes plugged or is not capable of handling the flow. Plateau Mining Company must incorporate an emergency spillway into the design of Sediment Pond #2;

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3. A grouted riprap splash basin has been located at the base or outlet of the barrel culvert through the embankment. No design information for the splash basin was provided with the designs for Sediment Pond #2. In accordance with UMC 817.47, Plateau Mining Company must provide documentation demonstrating that the proposed splash basin dimensions will be acceptable;
4. The cross section on map titled "Sediment Pond #2 Design Details" indicated that a six-inch CMP riser will be installed vertically from approximately the crest of the embankment down to the barrel culvert through the embankment between the two antiseep collars. No documentation is provided regarding the purpose of this riser, therefore, Plateau Mining Company must describe the use of the riser.

To facilitate the Division's review of the designs for Sediment Pond #2 and to allow Plateau Mining Company to implement those designs this construction season, the above required information must be submitted to the Division no later than June 28, 1985. If you have any questions, please call me or Tom Suchoski of the Division staff.

Sincerely,



D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

TJS/btb
cc: Allen Klein
Lowell Braxton
Bart Kale
Tom Suchoski
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