

0068



Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

April 10, 1989

TO: Richard V. Smith, Acting Permit Supervisor

FROM: Tom Munson, Reclamation Hydrologist *TM*

RE: Methodology for Upgrading Coarse Refuse Area
Diversions, Plateau Mining Company, Starpoint Mines,
ACT/007/006, Folder #2, Carbon County, Utah

Synopsis

On March 30, 1989, the Division received a letter from Brent Wahlquist, Assistant Director of Program Policy for the Office of Surface Mining, regarding the informal review of Ten-Day Notice (TDN) No. X-88-02-107-9. This memo addresses the items discussed in that letter.

Analysis

The Division concurs with the Office of Surface Mining that the diversions and culverts diverting water away from the Coarse Refuse Pile are not designed on paper to meet the 100-year, 6-hour storm design criteria spelled out in the new rules under Rule R-614-301-746.330 (see attached Table 1).

It therefore becomes necessary to require Plateau Mining Company (PMC) to change the designs in their PAP to bring these diversions and culverts into compliance with the 100-year, 6-hour storm design criteria, as well as prove the diversions and culverts in the field meet this criteria.

After reviewing the field conditions of diversions 6B, 7E, 16 (A, B, C, D, E and F), 8, and 76, it was felt that these diversions were potentially capable of meeting the upgraded design requirements. It is therefore necessary for PMC to survey those ditches to ascertain compliance with the 100-year, 6-hour storm design criteria, and submit this information to the Division to document compliance or upgrade those ditches needing upgrading, based on the new design criteria.

Page 2
Memo to R. Smith
ACT/007/006
TDN X-88-02-107-9
April 10, 1989

Recommendation

A Notice of Violation be issued addressing Plateau's failure to design all diversions and culverts diverting surface water runoff from areas above and from the surface of coal processing waste piles for the 100-year, 6-hour design precipitation event. As an abatement to the NOV, the operator be required to survey existing diversions to determine compliance with the 100-year, 6-hour design precipitation event, and modify the PAP to incorporate the 100-year, 6-hour designs. It will also be an abatement requirement for PMC to upgrade any ditches or culverts not in compliance with the new rule.

djh
Attachment
cc: B. Grimes, PMC
B Malencik, DOGM, PFO
AT5/59-61

TABLE 1

<u>Ditch No.</u>	<u>PAP Design Flow</u>	<u>100-Yr., 6-Hr. Flow Designs</u>
8	0.5	1.97
7E	3.4	16.43
6B	5.2	23.08
16	.62	2.20
76	*	

* No design criteria found in plan.

djh
AT5/61