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State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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April 18, 1989

Mr. Dan Guy, Manager  
Permitting and Compliance  
Beaver Creek Coal Company  
P. O. Box 1378  
Price, Utah 84501

Dear Mr. Guy:

Re: Defect in Permit Application Package, Beaver Creek Coal Company,  
Huntington #4 Mine, ACT/015/004, Folder #2, Emery County, Utah

Division staff have identified a defect in the approved Permit Application Package (PAP) for the Huntington #4 Mine (see attachment). The identified defect is associated with a permit change, designated ACT/015/004-88C, that was initiated in the field during the Fall of 1988. Division staff mistakenly overlooked the need for the approved PAP to include engineered designs as described under UMC 817.43.

In order to rectify this defect and avoid enforcement action, Beaver Creek Coal Company (BCCC) is requested to submit by May 31, 1989, diversion calculations as shown in the attached Technical Memorandum. The submitted calculations should be suitably formatted for insertion into the approved PAP. Moreover, BCCC should include a commitment to install additional erosion protection as required by the Division.

Sincerely,

Richard V. Smith  
Acting Permit Supervisor

djh  
Attachment  
cc: L. Braxton, DOGM  
T. Munson, DOGM  
W. Malencik, DOGM, PFO  
AT8/58

7 CHANNEL PARAMETERS FOR HUNT4

\*\*\*\*\*  
10 \* CHANNEL BED SLOPE = 10.0 PERCENT \*  
11 \* MANNING'S N = .035 \*  
12 \* BOTTOM WIDTH = 4.00 FEET \*  
13 \* CHANNEL SIDESLOPE = 2.0:1 \*  
14 \* FLOW DEPTH = .55 FEET \*  
15 \* X-SECTIONAL AREA = 2.83 SQUARE FEET \*  
16 \* WETTED PERIMETER = 6.47 FEET \*  
17 \* HYDRAULIC RADIUS = .43 FEET \*  
18 \* DISCHARGE = 21.98 CFS \*  
19 \* VELOCITY = 7.76 FPS \*  
20 \*\*\*\*\*

22 CHANNEL PARAMETERS FOR HUNT4

\*\*\*\*\*  
26 \* CHANNEL BED SLOPE = 20.0 PERCENT \*  
27 \* MANNING'S N = .035 \*  
28 \* BOTTOM WIDTH = 4.00 FEET \*  
29 \* CHANNEL SIDESLOPE = 2.0:1 \*  
30 \* FLOW DEPTH = .43 FEET \*  
31 \* X-SECTIONAL AREA = 2.23 SQUARE FEET \*  
32 \* WETTED PERIMETER = 6.03 FEET \*  
33 \* HYDRAULIC RADIUS = .37 FEET \*  
34 \* DISCHARGE = 21.98 CFS \*  
35 \* VELOCITY = 9.85 FPS \*  
36 \*\*\*\*\*

38 CHANNEL PARAMETERS FOR HUNT4

\*\*\*\*\*  
42 \* CHANNEL BED SLOPE = 30.0 PERCENT \*  
43 \* MANNING'S N = .035 \*  
44 \* BOTTOM WIDTH = 4.00 FEET \*  
45 \* CHANNEL SIDESLOPE = 2.0:1 \*  
46 \* FLOW DEPTH = .40 FEET \*  
47 \* X-SECTIONAL AREA = 1.94 SQUARE FEET \*  
48 \* WETTED PERIMETER = 5.81 FEET \*  
49 \* HYDRAULIC RADIUS = .33 FEET \*  
50 \* DISCHARGE = 21.98 CFS \*  
51 \* VELOCITY = 11.28 FPS \*  
52 \*\*\*\*\*

Planimeter Program

INPUT SUMMARY

FOR W.S.: huntington4

STORM:	WATERSHED:
DISTRIBUTION = SCS TYPE 2	LAND SLOPE = 40.0000 PCT
PRECIP. DEPTH = 3.60 IN	CURVE NUMBER = 75.00
DURATION = 24.00 HR	CHANNEL LENGTH = 2300.00 FT
NUMBER OF LINES = 966	TIME OF CONC. = 0.1893 HR
	AREA = 16.30 AC
	D = 0.0252 HR

OUTPUT SUMMARY

RUNOFF DEPTH = 1.3701 IN
INITIAL ABSTRACTION = 0.6667 IN
PEAK FLOW = 21.98 CFS ( 1.3372 IPH)
AT T = 12.55 HRS