



# BLACKHAWK ENGINEERING, CO.

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AUG 5 1988

DIVISION OF OIL  
GAS & MINING  
PRICE, UTAH

August 4, 1988

Mr. Lowell P. Braxton,  
Administrator  
Utah Division of Oil, Gas, and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attn: Mr. Rick Summers

Re: N.O.V. N87-15-1-1  
Final Abatement Plans  
Summit Coal Company  
Boyer Mine  
ACT/043/008  
Summit County, Utah

Dear Mr. Braxton:

Enclosed are 8 copies of revised pages describing procedures to be undertaken on the diversion UD-1 as a final abatement action for N.O.V. N87-15-1-1. This revision is being submitted at the request of Mr. Rick Summers.

The pages are numbered and should be inserted or replace corresponding numbers in the present plan. The 8 copies of revised maps, including Plates 3-1 and 7-1, submitted on 7/15/88 show the proposed changes to UD-1.

By this letter, Summit Coal Co. will confirm its acceptance of the conditions on UD-1 as set forth by Mr. Summers.

If you have any questions, or need any further information, please contact me or Jack Blonquist.

Respectfully,

Dan W. Guy

cc: Jack Blonquist  
File

### Special Notes on UD-1

The inlet to undisturbed diversion UD-1 has been protected by a berm, headwall trashrack, and straw bales. In early 1988, due to limited storage space for coal and non-coal waste, this area was being encroached upon by storage of materials. In addition, deer were breaking up the straw bales, causing interference with the culvert inlet.

The company is herein committing to the following 2-Phased program to protect the inlet to UD-1:

Phase I - A "buffer zone" will be established around the inlet to UD-1. This will consist of an area of at least 20' in all lateral and downstream directions from the inlet structure. This area will be cleaned and sloped away from the headwall to assure disturbed area drainage does not enter the culvert inlet. A fence will be installed in at least a 20' radius around the inlet area to create a "buffer zone", and to ensure stockpiling of materials will not interfere with the culvert inlet operation.

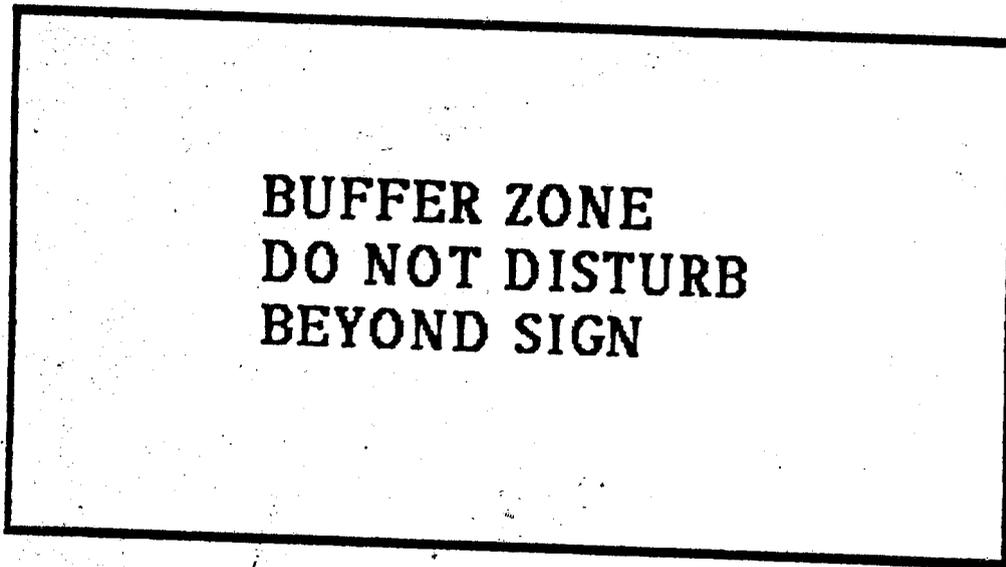
A "Buffer Zone" sign will be placed on the fence to prevent further disturbance, and the cleaned area will be reseeded with the interim seed mix.

Phase II - The second phase of the protection for the culvert inlet area will be initiated after the waste material is removed from the site. At this time, the planned culvert installation will be completed, and the highwall near the culvert inlet area will be resloped to intersect the disturbed area at a level below the culvert inlet headwall. This will further ensure the inlet will be protected from plugging or from disturbed area runoff. The 36" bypass culvert will be installed in UD-1 for the entire length of the disturbed area as shown on Plate 7-1.

The disturbed area will also be reseeded with the approved interim seed mix.

Figure 7-0

BUFFER ZONE SIGN



8/4/88

7-4-a-4

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