

May 19, 1981

Memo to Coal File:

RE: Blazon Company  
Blazon No. 1 Mine  
ACT/007/021  
Carbon County, Utah

On May 14, 1981, the technical staff of the Division including: Sally Kefer, reclamation hydrologist; Tom Tetting, engineering geologist; Wayne Hedberg, reclamation hydrologist; Lee Spencer, reclamation engineer; and Gilbert Hunt, reclamation geologist, visited the Blazon No. 1 Mine above Clear Creek. The weather was excellent and most of the snow had melted from the site. The Division technical staff was on-site for a two-fold purpose:

1. To familiarize the staff with the site prior to apparent completeness review of the Blazon Mine Permit Application.
2. To investigate the site of a mine development waste disposal area prior to approval.

Mr. Joe Harvey of Blazon, escorted the staff starting at the tipple along the road up Mud Creek Canyon adjacent to the site to the water well. Mr. Harvey explained that the well was approximately 140 feet deep where the Aberdeen sandstone was producing approximately 10 gallons per minute. Mr. Harvey explained that the water pipe leading from the well had frozen beneath Mud Creek in February and he had been forced to dig it up along the bank. He presently has a pipe suspended above the creek. Mr. Harvey intends to wait until this fall when the stream dries up to rebury it.

At the topsoil stockpile, no vegetation had germinated. There appeared to be an adequate berm. Near the topsoil stockpile, trucks were being loaded with coal and the coal was scattered around the area. Mr. Harvey will have his coal handling system finished this summer and terminate using this method, whereby, the problem of coal spillage along this area will be precluded.

Mr. Harvey then took the staff in the belt portal to see the massive cave which had created his refuse problem. Some 30 feet of the entry was completely supported by yieldable arches.

Mr. Harvey showed the staff the site of the valley fill. Mr. Harvey plans to be able to use the 24-inch culvert from the tributary canyon to by-pass the 100-year, 24-hour event. Waste will be laid along the longitudinal profile of the canyon in two foot lifts. As the lifts rise in elevation, topsoil will be scraped off the sides, transported to the top and placed on the finished surface of the fill. From the size of the fill and the downslope and side to side grading plan for drainage, it appears that the need for an underdrain is not necessary as it is highly unlikely the fill could impound water, as long as the culvert remains open. Mr. Harvey should agree to maintain the headwall and culvert as a stipulation to the waste disposal approval.

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It appears that the diesel fuel storage tank should be bermed since it is very near the stream. Although, there are a number of safeguards to prevent a spill, the possibility of such an event clearly would impact the stream and all precautions should be taken. The cuts and slopes of fills of the Blazon surface area should be checked for any signs of instability upon future inspections.

MAY 20 1981

LCS

LELAND C. SPENCER  
RECLAMATION ENGINEER

cc: Tom Ehmett, OSM

LCS/btm

Statistics:

Vehicle: #EX 68805--691 miles

Per Diem: Three person x two days, 15 1/2 hours @ \$37.50/day = \$87.50.

Grant: A & E