

File

July 9, 1985

TO: Coal File, Inspection and Enforcement Folder
 FROM: Sandy Pruitt, Mining Field Specialist *SP*
 RE: Trail Mountain Mine, Trail Mountain Coal Company,
ACT/015/009, Emery County, Utah

The above mentioned mine was inspected by Sandy Pruitt, accompanied by Allen Childs, on June 18, 1985. An original intent of this inspection was to check on the results of drilling required by stipulation #817.41-(1), but the drilling project had been postponed until June 19, 1985.

The cut slope above the west end of the loadout yard had been regraded and stabilized. Allen Childs explained that the sandstone cliff along the highwall was exposed, to the extent possible. The slope was excavated somewhat to develop a fill slope, compacted in four foot lifts, extending the toe of the slope twenty feet. The width of the portal access road was cut back about twelve feet to accomplish this. A rock toe buttress was placed along the toe and a fence was installed around the base. The slope had already been seeded and mulched at the time of this inspection. Excess material was stored at the borrow area behind the office/shop building and used to raise the berm along Cottonwood Creek and improve surface grades. Since the berm was raised, the buffer zone sign at this location needs to be relocated for clear visibility.

The finished slope appears more stable than the cut slope originally approved by DOGM. The slope exceeds the design standards of UMC 817.152(c) and the stabilization probably raised the safety factor above that reported by the stability analysis (1.5 at Station 9+00) submitted in the MRP. This stability analysis was prepared by R&M Consultants. Allen Childs was instructed to contact R&M to report the improvements to the slope and obtain their certified report on the changes with regard to the existing stability analysis.

The cut slope above the east end of the loadout is very steep and eroded. The stability analysis in the approved MRP reported a safety factor of 1.34. Trail Mountain Coal Company has considered stabilizing this slope also. R&M should be consulted on this change also.

sp

cc: Donna Griffin
 Allen Childs
 Joe Helfrich

Statistics: See Des-Bee-Dove Mine memo dated July 8, 1985