

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

January 3, 2006

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor

THRU: Jim Smith, Team Lead

FROM: Wayne H. Western, Environmental Scientist III

RE: Escarpment Failure, C.W. Mining Company, Bear Canyon Mine #3, C/015/0025, and Task ID #2383

SUMMARY:

This amendment extends the projection of subsidence caused by mining in the Blind Canyon Seam into an area where C.O.P.D is the owner of the surface land.

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TECHNICAL ANALYSIS:

OPERATION PLAN

COAL RECOVERY

Regulatory Reference: 30 CFR 817.59; R645-301-522.

Analysis:

The Permittee and the BLM developed a resource recovery protection plan (R2P2.) The Division used the information in the R2P2 to make a finding that the Permittee would achieve maximum economic coal recovery

Findings:

Information provided in the amendment is adequate to meet the regulatory requirements for this section.

SUBSIDENCE CONTROL PLAN

Regulatory Reference: 30 CFR 784.20, 817.121, 817.122; R645-301-521, -301-525, -301-724.

Analysis:

Subsidence Control Plan

The Permittee meet the requirements for the subsidence control plan. The Permittee shows that full extraction mining will not occur in an escarpment protection zone.

Findings:

The information provided in the amendment is considered adequate to meet the requirements of the subsidence control plan.

MAPS, PLANS, AND CROSS SECTIONS OF MINING OPERATIONS

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Regulatory Reference: 30 CFR Sec. 784.23; R645-301-512, -301-521, -301-542, -301-632, -301-731, -302-323.

Analysis:

Mine Workings Maps

The Permittee did meet the minimum requirements for mine maps. The Permittee updated Plate 3-4C to show the changes to the mine plan.

Findings:

The information provided in the amendment is considered adequate to meet the requirements of the maps, plans and cross sections of mining operations section of the TA.

RECOMMENDATIONS:

The Division should approve the amendment.