

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

March 25, 2005

TO: Internal File

THRU: D. Wayne Hedberg, Task Manager

FROM: Peter Hess, Environmental Scientist III, Team Lead, Engineering Discipline Review

RE: Revisions to Surface Facility Map, Canyon Fuel Company, Dugout Canyon Mine, C/007/039, Task ID# 2174

SUMMARY:

At the request of the assigned DOGM Reclamation Specialist, the permittee submitted a revision to the surface facilities map (Plate 5-2, SURFACE FACILITIES) for the Mine site area to include a equipment storage dock which is located on the east side of the Office / Warehouse / Shop building. The storage dock consists of steel storage racks secured in a concrete foundation. The permittee submitted the map revision on March 7, 2005.

This amendment is a minor adjustment to the surface facilities map of the Mining and Reclamation Plan for the Dugout Canyon Mine surface facilities disturbance. There is no need to modify the Master Technical Analysis for the Dugout Canyon Mine permit area.

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TECHNICAL ANALYSIS:

OPERATION PLAN

MAPS, PLANS, AND CROSS SECTIONS OF MINING OPERATIONS

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

Analysis:

Mining Facilities Maps

In order to increase equipment storage capability and the efficiency of handling at the Mine, the permittee constructed a storage rack / storage dock on the east side of the Office / Warehouse / Shop building. The storage facility consists of steel racks, mounted in a concrete foundation. The dimensions of the racks / storage docks are approximately 180 feet in length, by a width of 8 to 12 feet.

An adjustment to the reclamation bond was made via Division review in Task ID #1980, which was approved on July 27, 2004.

The Task ID# 2174 submittal consists of a revised PLATE 5-2, SURFACE FACILITIES. The single revision / update includes the new storage dock facility located on the east side of the Office / Warehouse / Shop building.

Revised PLATE 5-2, SURFACE FACILITIES is certified by Mr. David G. Spillman, Utah registered professional engineer, and Manager of Technical Services for the permittee.

Findings:

Task ID# 2174 meets the minimum regulatory requirements of this section.

RECLAMATION PLAN

BONDING AND INSURANCE REQUIREMENTS

Regulatory Reference: 30 CFR Sec. 800; R645-301-800, et seq.

Analysis:

Determination of Bond Amount

The modifications to Plate 5-2, Surface Facilities, did not involve any modifications to the bond. The concrete pad that is associated with the changes in Plate 5-2 has been included in the bond calculations revised and approved via Task ID# 1980 (approval date July 27, 2004).

Findings:

The information in the amendment is adequate to meet the minimum requirements of the bonding section of the regulations.

RECOMMENDATION:

Task ID# 2174 meets the minimum regulatory requirements of the R645 coal rules and should be approved.