

# TECHNICAL MEMORANDUM

## Utah Coal Regulatory Program

January 20, 2006

TO: Internal File

THRU: Pamela Grubaugh-Littig, Permit Supervisor  
Karl R. Houskeeper, Environmental Scientist III/Team Lead

FROM: Karl R. Houskeeper, Environmental Scientist III

RE: Surface Buildings & Pond Map, Genwal Resources, Inc., Crandall Canyon Mine, C/015/032, Task ID #2350

### **SUMMARY:**

Genwal Resources, Inc. submitted an application for a permit change on October 11, 2005 to the Division (Task ID #2350). A previous application Task ID #2291 was sent back deficient. Both applications address three new buildings that have been retained after construction of the South Portals. The area has been surveyed and the map (Plate 5-3) updated accordingly.

Plate 7-3 Crandall Canyon Mine, Genwal Pond (As-Built) was also submitted to show the contours of the sediment pond after the last pond cleaning.

In addition, text changes have been made on pages 5-29, 7-48, and 7-49 that provide further definition and updates to the approved Mining and Reclamation Plan (MRP).

Supplemental information was submitted on December 15, 2005 that gives further definition and clarification on Hydrologic, Bonding issues, and Permit Boundaries. The maps contained in this submittal have all been P.E. stamped, signed, and dated.

This memo addresses the engineering portions of this application. The Sediment Pond Map and Reclamation Costs will be evaluated under separate memos.

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**TECHNICAL MEMO**

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**TECHNICAL ANALYSIS:**

**OPERATION PLAN**

**EXISTING STRUCTURES:**

Regulatory Reference: 30 CFR 784.12; R645-301-526.

**Analysis:**

Existing structures are required to be identified and listed in the approved Mining and Reclamation Plan (MRP). The three buildings that were used for the South Portal construction on a temporary basis have now been requested to become permanent structures. Plate 5-3, Crandall Canyon Mine Surface Facilities Map, shows the location of these buildings, discussion in the MRP of their intended use, size and final disposition at the time of reclamation is located on page 5-29.

**Findings:**

The information contained in this section of the amendment meets the minimum requirements.

**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**

Plate 1-1, Crandall Canyon Mine Lease/Permit Map; Plate 2-3, Crandall Canyon Mine Topsoil Stockpile Locations; Plate 5-3, Crandall Canyon Mine Surface Facilities Map; and Plate 7-3, Crandall Canyon Mine Genwal Pond (As-Built) Map are part of this permit amendment application. Plate 1-1 and Plate 2-3 show that the topsoil piles are part of the permit area. Plate 5-3 shows the location of three temporary buildings that are now to become permanent structures. Plate 7-3 shows the contours of the sediment pond after the last sediment pond cleaning.

**Certification Requirements**

All the Plates are sealed and signed and dated by Utah P.E.'s.

**Findings:**

The minimum requirements of this section have been met.

**RECOMMENDATIONS:**

It is recommended that this amendment be approved.