



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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OK

April 10, 2002

TO: Internal Files

FROM: Gregg A. Galecki, Sr. Reclamation Specialist/Hydrologist, Team Lead *AGH*

RE: Topsoil Storage, Canyon Fuel Company, LLC, Soldier Canyon Mine, C/007/018-AM02A

SUMMARY:

Canyon Fuel Company, LLC submitted an amendment to the Division on March 13, 2002, which updated text and maps for the Dugout Canyon Mine topsoil storage expansion area located at the Soldier Canyon Mine. The expansion was approved effective October 16, 1998. Placement of material from the Gilson Well project was approved on February 6, 2002. The following is a review of the updated information based on accuracy and completeness. The impetus of the submittal is to eliminate redline/strikeout text existing in the currently approved MRP, and to ensure map coverage of the Stockpile area is consistent in both the Soldier Canyon and Dugout Canyon MRPs. Requirements for approval are similar with the evaluation of identical maps submitted for evaluation for the Dugout Mine. The amendment is considered incomplete, review the following analysis for details.

TECHNICAL ANALYSIS:

OPERATION PLAN

MINING OPERATIONS AND FACILITIES

Regulatory Reference: 30 CFR 784.2, 784.11; R645-301-231, -301-526, -301-528.

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Analysis:

Facilities and Structures

The applicant has submitted a new Soil Stockpile Location map showing the proposed topsoil location of material from Dugout Mine at the joint Soldier Canyon / Dugout Canyon mines facility. Plate 2-3 illustrates the location of the proposed additional riparian soil and soil/rock stockpiles. This map was P.E. certified by Layne D. Jensen, badge #189797.

The submitted text changes in Appendix 2-F are consistent with the currently approved MRP with one exception. Two sentences on page 8 address the placement of rocks originating from the Dugout Canyon Mine disturbed area that were uncovered during the leach field construction project. The placement of the rock storage pile was approved by the Division Inspectors for both the Dugout Canyon and Soldier Canyon mines. The deletion of the redline/strikeout text from the MRP will eliminate any confusion to the reader.

Findings:

The permittee has adequately addressed the minimum requirements of the Operation Plan – Mining Operations and Facilities section of the regulations.

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

The permittee submitted Exhibit A & B as part of this amendment package. Exhibit A is titled, "Expanded Soil Stockpile Area" and Exhibit B titled, "Expanded Soil Stockpile and Transportation Facilities Map. These maps have not been updated to show the expanded riparian soil stockpile and soil/rock storage area to the south. These maps need to be updated to reflect the same design as on Plate 2-3 of this submitted. As expressed in the Dugout Canyon mine amendment reviewing the same maps, Exhibit B is not needed. Plate 2-3 has the same information with the exception of the footnote at the bottom of Exhibit B. This footnote pertains to the total disturbed area of 7.8 acres and permit area of 8.6 acres. This footnote could be added to Plate 2-3.

Additional modifications to both Plate 2-3 and Exhibit A are recommended. Existing Dugout Canyon Mine Soil Stockpiles are labeled as (A) and (B). If there is a distinction between them, it should be listed (i.e. riparian, topsoil, subsoil, etc.). Also, the legend title lists the

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Dugout Canyon Mine, not the Soldier Canyon Mine. Although a majority of the stockpile storage is for the Dugout Canyon Mine, these maps are part of the Soldier Canyon Mine permit area and going into the Soldier Canyon MRP. In the legend title of Plate 2-3, and Exhibits A and B, identify the Soldier Canyon Mine and not the Dugout Canyon Mine.

The footnote at the bottom of Exhibit B needs to be updated to reflect the change in disturbed area acres. The 7.8 acres does not include the new storage area for the Gilson Well material.

Findings:

The applicant has not met all the requirements of the Operation Plan – Maps, Plans, and Cross Sections of Mining Operations section of the regulations. Prior to approval, the applicant must provide the following in accordance with:

R645-301-521, Exhibit A and B will need to be updated to show the location of the additional topsoil and rock storage sites, shown on Plate 2-3 of this amendment.

R645-301-521, The footnote on Exhibit B will need to reflect the additional disturbed area needed for the Gilson Well soil storage.

R645-301-521, If there is a distinction between Dugout Canyon Mine Soil Stockpiles (A) and (B), identify their contents.

R645-301-521, In the legend title of Plate 2-3, and Exhibits A and B, identify the Soldier Canyon Mine and not the Dugout Canyon Mine.

RECOMMENDATIONS:

Prior to approval, the requirements of R645-301-521 must be provided as outlined above.