

# TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

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February 22, 2007

OK

TO: Internal File

THRU: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

FROM: Wayne H. Western, Team Lead *WHW*

RE: Permit Area Expansion – Addition of 40 Acres, Canyon Fuel Company, LLC, Dugout Mine, C/007/0039, Task ID #2762

**SUMMARY:**

On January 26, 2007, the Division received an application for a lease modification to increase the permit area by 40 acres. No new surface disturbance is expected. This memo covers engineering and bonding. On March 8, 2008, the Division received additional information to address deficiencies in task 2743.

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**TECHNICAL ANALYSIS:**

**ENVIRONMENTAL RESOURCE INFORMATION**

**PERMIT AREA**

Regulatory Requirements: 30 CFR 783.12; R645-301-521.

**Analysis:**

The Permittee met the requirements of this section by update the information in Section 114 of the MRP and showing the revised permit boundary on several maps including Plate 1-4, Dugout Canyon Mine Permit Area.

**Findings:**

The information in the proposed amendment is considered adequate to meet the requirements of this section.

**MAPS, PLANS, AND CROSS SECTIONS OF RESOURCE INFORMATION**

Regulatory Reference: 30 CFR 783.24, 783.25; R645-301-323, -301-411, -301-521, -301-622, -301-722, -301-731.

**Analysis:**

**Affected Area Boundary Maps**

The Permittee met the requirements of this section by showing the revised permit boundaries on several maps including Plate 1-4, Dugout Canyon Mine Permit Area.

**Findings:**

The information in the proposed amendment is considered adequate to meet the requirements of this section.

**OPERATION PLAN**

## **COAL RECOVERY**

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

### **Analysis:**

The Permittee met the requirements of this section by providing Plate 5-7, Proposed Mine Sequence and Planned Subsidence Boundary. The Permittee originally did not plan on mining the area because they thought the economic reserves did not exist. The Permittee later determined that economic reserves do exist and will recovery them.

### **Findings:**

The information in the proposed amendment is considered adequate to meet the requirements of this section.

## **SUBSIDENCE CONTROL PLAN**

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

### **Analysis:**

#### **Renewable Resources Survey**

The Permittee met the requirements of this section. The Permittee showed or referenced the resource survey of the 40-acre site. The survey included:

- Condition of all non-commercial buildings.
- Renewable resource lands.
- State appropriated water supplies.

#### **Subsidence Control Plan**

The Permittee met the requirements of this section. The Permittee included a map that shows the projected subsidence contour.

### **Findings:**

The information in the proposed amendment is considered adequate to meet the requirements of this section.

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**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:**

**Affected Area Maps**

The Permittee met the requirements of this section by providing Plate 5-7, Proposed Mine Sequence and Planned Subsidence Boundary.

**Mine Workings Maps**

The Permittee met the requirements of this section by providing Plate 5-7, Proposed Mine Sequence and Planned Subsidence Boundary.

**Certification Requirements**

The Permittee met the requirements by having maps certified as required by the regulations.

**Findings:**

The information in the proposed amendment is considered adequate to meet the requirements of this section.

**RECLAMATION PLAN**

**MAPS, PLANS, AND CROSS SECTIONS OF RECLAMATION OPERATIONS**

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

**Analysis:**

**Affected Area Boundary Maps**

The Permittee met the requirements of this section by providing Plate 5-7, Proposed Mine Sequence and Planned Subsidence Boundary.

**Findings:**

The information in the proposed amendment is considered adequate to meet the requirements of this section.

**BONDING AND INSURANCE REQUIREMENTS**

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

**Analysis:**

**General**

The addition of the 40 acres will not result in any additional surface disturbance. Therefore, the reclamation cost will not change and the bond is adequate to insure reclamation in the event of bond forfeiture.

**Findings:**

The information in the proposed amendment is considered adequate to meet the requirements of this section.

**RECOMMENDATIONS:**

The Division should approve the application.