



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

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OK

December 3, 2002

TO: Internal Files

THRU: Dave Darby, Team Lead/Reclamation Hydrologist 

FROM: Stephen J. Demczak, Sr. Reclamation Specialist/Engineering 

RE: Link Canyon Portal, Canyon Fuel Company, LLC, SUFCO Mine, C/041/002-AM02E-2

**SUMMARY:**

Canyon Fuel Company has submitted an amendment to construct a new portal at Link Canyon. Link Canyon is located in Sevier County Section 26, W1/2NW1/4sw1/4. The total disturbed area will be approximately 0.23 acres. The new disturbance will include the portal area and power line to the Link Canyon substation. The substation is located within the approved permit area.

The Link Canyon Portal will be used for intake ventilation, emergency escapeway, travelway for resetting the Link Canyon substation, and to provide power for future mining of the northern most reserves.

Canyon Fuel has met with the Division of Water Quality to determine if a UPDES water discharge sampling point would be needed. It has been determined that no UPDES sampling point will be needed, because the water has been discharging from the mine for the past forty years.

The permittee plans to commence work once this amendment is approved.

**TECHNICAL ANALYSIS:**

**GENERAL CONTENTS**

TECHNICAL MEMO

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## IDENTIFICATION OF INTERESTS

Regulatory Reference: 30 CFR 773.22; 30 CFR 778.13; R645-301-112

### Analysis:

This information is in the current Mining and Reclamation Plan.

### Findings:

The information submitted meets the minimum requirement of this section.

## VIOLATION INFORMATION

Regulatory Reference: 30 CFR 773.15(b); 30 CFR 773.23; 30 CFR 778.14; R645-300-132; R645-301-113

### Analysis:

Update is not required by this submittal.

### Findings:

The information submitted meets the minimum requirement of this section.

## RIGHT OF ENTRY

Regulatory Reference: 30 CFR 778.15; R645-301-114

### Analysis:

The permittee has the Right of Entry to the Link Canyon portals since the area is within the permit area.

### Findings:

The information submitted meets the minimum requirement of this section.

## ENVIRONMENTAL RESOURCE INFORMATION

Regulatory Reference: Pub. L 95-87 Sections 507(b), 508(a), and 516(b); 30 CFR 783., et. al.

## GENERAL

Regulatory Reference: 30 CFR 783.12; R645-301-411, -301-521, -301-721.

### Analysis:

The permittee submitted a map showing the previously mined area on Plate 5-2F.

### Findings:

The information submitted meets the minimum requirement of this section.

## PERMIT AREA

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

### Analysis:

The permit area will not change. The Link Canyon Portals are already within the permit area.

### Findings:

The information submitted meets the minimum requirement 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

There will be no change to the affected area, since underground mining will be minimal and no second mining in this area will be done. Therefore, subsidence will likely not take place.

#### Coal resource and Geologic Information Maps

This map will not need to be updated since no mining will take place. All entries have been developed. Minor amounts of mining may take place to connect the SUFCO mine with the Link Canyon mine.

**TECHNICAL MEMO**

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**Existing Structures and Facilities Maps**

The Link Canyon Portal area does not have any existing structures.

**Existing Surface Configuration Maps**

The permittee has submitted existing contours of the Link Canyon Portal area. This information is on Plate 5-2F.

**Mine Workings Maps**

The permittee has given underground mine workings of the old Link Canyon Mine and the immediate area of the SUFCO Mine. This information is on Plate 5-2F.

**Permit Area Boundary Maps**

The permit area will not change with the addition of the Link Canyon Mine.

**Contour Maps**

The permittee has given contours of the Link Canyon Portal area.

**Findings:**

The information submitted meets the minimum requirement of this section.

**OPERATION PLAN**

**MINING OPERATIONS AND FACILITIES**

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

**Analysis:**

**Facilities and Structures**

There will be no building at the Link Canyon Portal. This area will be used for mine ventilation, emergency escapeway, and to access the Link Canyon substation.

A culvert and power pole will be located in this area.

The permittee is bringing a power line from the Link Canyon substation to the Link

Canyon Portal.

**Findings:**

The information submitted meets the minimum requirement of this section.

**EXISTING STRUCTURES:**

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

**Analysis:**

There are no existing structures at the Link Canyon Portal area. The permittee will reopen one of the two cave-in portals.

**Findings:**

The information submitted meets the minimum requirement of 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**

There will be a small amount of mining to connect the Link Canyon Mine to the SUFCO mine. There will be no second mining in this area. Therefore, no subsidence should take place. The plan does not need to be changed.

**Findings:**

The information submitted meets the minimum requirement of this section.

**ROAD SYSTEMS AND OTHER TRANSPORTATION FACILITIES**

Regulatory Reference: 30 CFR Sec. 784.24, 817.150, 817.151; R645-301-521, -301-527, -301-534, -301-732.

**TECHNICAL MEMO**

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**Analysis:**

**Road classification system**

The permittee will construct a road from the Link Canyon Road to the Link Canyon Portal. This road has been classified as an ancillary road. There will not be frequent travel on this road. The road will be reclaimed during reclamation of this area.

**Findings:**

The information submitted meets the minimum requirement of this section.

**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**

Affected area map will not be required because no second mining will take place.

**Mining facilities maps**

The mine facility is on Plate 5-2F. This map is P.E. certified. The permittee will need to show the utility corridor on Plate 5-2F as a requirement of R645-301-521.161.

**Mine workings maps**

The permittee has submitted a mine-working map showing the SUFCO and the old Link Canyon Mines see Plate 5-2F. The permittee has shown the power line corridor from the Link Canyon substation to the Link Canyon portals.

**Findings:**

The information provided will meet the minimum requirement of this section.

## RECLAMATION PLAN

### APPROXIMATE ORIGINAL CONTOUR RESTORATION

Regulatory Reference: 30 CFR Sec. 784.15, 785.16, 817.102, 817.107, 817.133; R645-301-234, -301-270, -301-271, -301-412, -301-413, -301-512, -301-531, -301-533, -301-553, -301-536, -301-542, -301-731, -301-732, -301-733, -301-764.

#### Analysis:

The permittee will restore the Link Canyon Portal area to the approximate original contour. This is indicated on Plate 5-2F.

The permittee has added the cost of removal of the power poles during reclamation.

#### Findings:

The information provided will meet the minimum requirement of this section.

### BACKFILLING AND GRADING

Regulatory Reference: 30 CFR Sec. 785.15, 817.102, 817.107; R645-301-234, -301-537, -301-552, -301-553, -302-230, -302-231, -302-232, -302-233.

#### Analysis:

##### General

The permittee has submitted backfilling and grading information for the reclamation of the Link Canyon Portal area. This information is on Plate 5-2F. The permittee will cut 234.83 cubic yards and fill 278.20 cubic yards.

#### Findings:

The information provided meets the minimum requirement of this section.

### MINE OPENINGS

Regulatory Reference: 30 CFR Sec. 817.13, 817.14, 817.15; R645-301-513, -301-529, -301-551, -301-631, -301-748, -301-765, -301-748.

**TECHNICAL MEMO**

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**Analysis:**

The permittee has given information on sealing the portal. The plan is to seal the mine opening at least 25 ft. inside the mine. The seal will be constructed of solid concrete blocks using mortar. Also, MSHA regulation requires a 4-inch hitch into solid ribs, floor, and roof. The permittee has committed to 16-inch hitch into solid ribs, floor, and roof.

**Findings:**

The information submitted meets the minimum requirement of this section.

**ROAD SYSTEMS AND OTHER TRANSPORTATION FACILITIES**

Regulatory Reference: 30 CFR Sec. 701.5, 784.24, 817.150, 817.151; R645-100-200, -301-513, -301-521, -301-527, -301-534, -301-537, -301-732.

**Analysis:**

**Reclamation**

The road will be reclaimed during reclamation.

**Findings:**

The information submitted meets the minimum requirement of this section.

**BONDING AND INSURANCE REQUIREMENTS**

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

**Analysis:**

**Determination of bond amount**

The permittee has submitted bonding information for the Link Canyon Portal project. This information is in Appendix 5-9. The permittee has calculated that the reclamation of the Link Canyon Portal Facilities will cost \$12,250. It has been determined by Wayne Western that the permittee has sufficient bond for the Link Canyon project.

**Findings:**

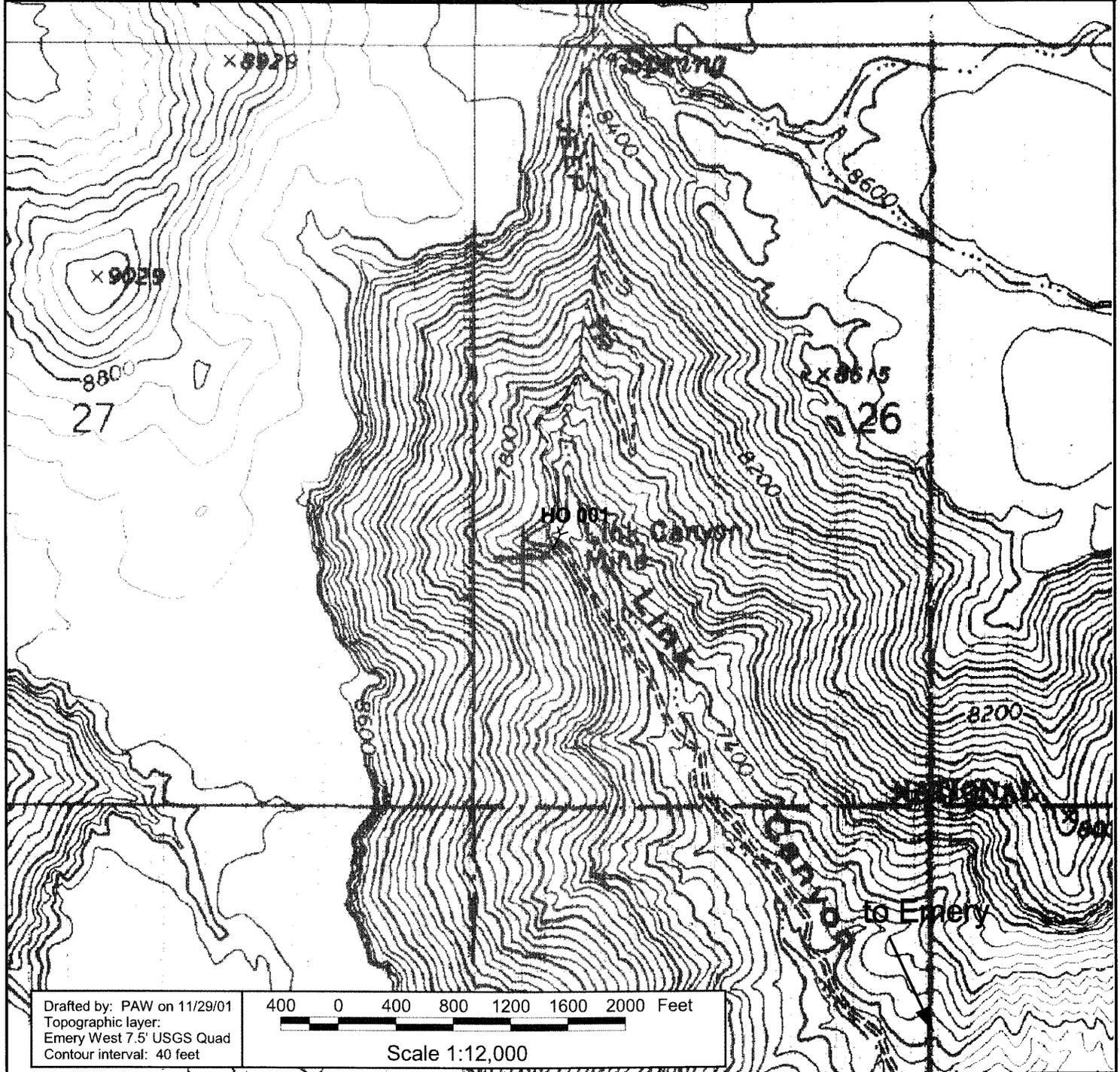
The information provided will meet the minimum requirement of this section

**RECOMMENDATIONS:**

The permittee has met the minimum requirements. Therefore, this amendment is recommended for approval.

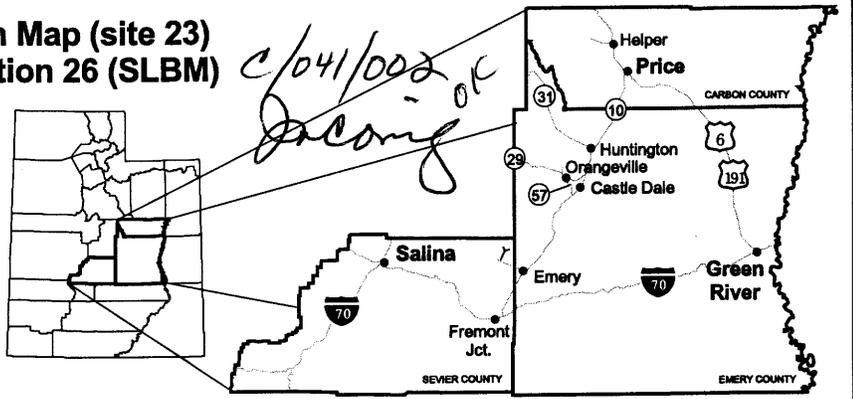
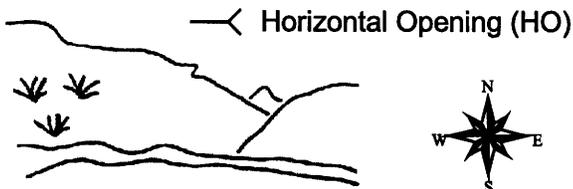
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# Old Johnson Reclamation Project



**Link Canyon Abandoned Mine Location Map (site 23)  
Township 21 South, Range 5 East, Section 26 (SLBM)  
Sevier County Group, Map Sheet 7 of 7**

*c/041/002 OK  
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Utah Oil Gas and Mining  
Abandoned Mine Reclamation Program