

0007

File

June 29, 1987

To: File

From: David Darby, Geologist *DD*

Re: Underground Mine Sequence Change, Convulsion Canyon Mine,
ACT/041/002, Southern Utah Fuels Company, Sevier County, Utah.
File #3.

Southern Utah Fuels Company requests a mine sequence change. The change will allow them to increase recovery of coal in the forth longwall panel in the 6 East block by an additional 106,000 tons. The modification consists of extending three entries of the 6 East submain into the 3 North mining panel where they will turn north and connect with the 5 East submains allowing them to mine another 720 feet of longwall panel in the forth longwall panel.

These changes are consistant with UMC 817.59 and will take place within the approved limits of mining.

The Bureau of Land Management (BLM) has reviewed and approved the changes in this modification.

I recommend the Division of Oil, Gas and Mining support the BLM's decision to approve this minor modification on the basis of economics. Incorporation of this modification will not have any adverse effects on the reclamation procedures of this mine. Other than increasing coal recovery from reserves in the panel, the procedures of the mine plan will be followed. This minor modification is recommended for approval.

cc.

Wayne Hedberg
Sue Linner

File



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 6, 1987

Mr. Wess Sorenson
Southern Utah Fuel Company
P. O. Box P
Salina, Utah 84654

Dear Mr. Sorenson:

Re: Modification of Subsidence Zone, Convulsion Canyon Mine,
ACT/O41/OO2-86A, Folder No. 2, Sevier County, Utah

On November 3, 1986, the Division approved modification of the subsidence zone along the north fork of Quitchupah Creek, with a condition that a raptor survey be done in the spring of 1987.

Results of that survey were received on April 17, 1987. The Division has determined that there will be no adverse impacts to raptors from the currently approved mining sequence (see attached review memo). The U. S. Fish and Wildlife Service has concurred with that assessment with a letter received June 22, 1987 (attached).

At this time SUFCO has met all requirements of approval for this amendment.

Sincerely,

A handwritten signature in cursive script that reads "Susan C. Linner".

Susan C. Linner
Reclamation Biologist/
Permit Supervisor

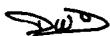
jvb
Attachments
cc: R. Hagen
P. Rutledge
D. Darby
W. Hedberg
0028R-68



355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 22, 1987

To: File

From: David W. Darby, Geologist 

RE: Change in Mining Sequence, Convulsion Canyon Mine, Southern Utah Fuel Company, ACT/041/002, Sevier County, Utah, Folder #2 and 3.

Proposal

Southern Utah Fuel Company (SUFCo) submitted a proposal June 23, 1986 requesting a modification to their mine plan. The modification called for a change in the method and sequence of mining, whereby longwall mining would take place beneath and beyond the escarpment along Quitchupah Creek.

The proposal was reviewed on August 11, 1986. The Division required SUFCo to implement a raptor survey of the escarpment along Quitchupah Creek and commit to conduct detailed subsidence surveys before mining could be permitted.

The raptor survey was conducted on March 14, 1987 by Miles Moretti and Larry Dalton from the Utah Division of Wildlife Resources and Keith Welch of Coastal States Energy Company. Three golden eagle nests were sited on the western escarpment of Quitchupah Creek outside the boundry of mining. A fourth nest on the west escarpment inside the mining boundry appeared old and dilapidated. Nests previously located on the east escarpment by the U.S. Fish and Wildlife Service could not be found.

SUFCo has committed to conducting a detailed subsidence survey in a letter dated November 11, 1986. SUFCo has also discussed their subsidence monitoring plans in their Mining and Reclamation Plan (MRP), which stated that they intend to use the photogrametric method to detect subsidence activity caused by mining.

Conclusion and Recommendation

SUFCo has conducted the raptor survey required by the Division for approval of the mining modification. The survey indicates that nests of endangered species will not be affected if the escarpment is subsided or displaced. Condition 817.97 - (1) is addressed, and I recommended that SUFCo be permitted to expand their mining operations under the western escarpment in accordance with their proposed plans and the Divisions conditional approval (approval letter dated November 3, 1986).



United States Department of the Interior

Fish and Wildlife Service
Fish and Wildlife Enhancement
2060 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-5110

Only - mine file
cc - DR Nielson
KE May
LP Braxton

RECEIVED
JUN 22 1987

DIVISION OF
OIL, GAS & MINING

IN REPLY REFER TO:

(FWE)

June 16, 1987

Dr. Dianne Nielson, Director
Utah Division of Oil, Gas, & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84140-1203
ATTN: Susan Linner

Dear Dr. Nielson:

This letter is in response to Southern Utah Fuel Company's PAP Amendment for a modification of the subsidence zone for the Convulsion Canyon Mine, Sevier County. Because the April, 1987 raptor survey found no raptor nests within the subsidence zone or within a one-half mile buffer zone, and because the Company is monitoring subsidence of the escarpments, we feel no further protective stipulations for raptors are necessary at this time.

We appreciate this opportunity to comment.

Sincerely,

Robert G. Ruesink

Robert G. Ruesink
Acting State Supervisor



**Southern Utah
Fuel Company**

P.O. Box P
Salina, Utah 84654
(801) 529-7428
(801) 637-4880 (Mine)

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JUN 04 1987

**DIVISION OF
OIL, GAS & MINING**

*orig name file
cell Brantton
04/1002*

Subsidiary of
Coastal States
Energy Company

May 29, 1987

Dr. Dianne R. Nielson
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Dr. Nielson:

For your information, please find enclosed a copy of Southern Utah Fuel Company's quarterly sediment pond inspection report conducted May 28, 1987.

Sincerely,
SOUTHERN UTAH FUEL COMPANY

Mike Davis

Mike Davis
Construction Engineer

MD:cfc

Enclosure

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JUN 04 1987

SOUTHERN UTAH FUEL COMPANY

Sediment Pond Quarterly Inspection Report

DIVISION OF
OIL, GAS & MINING

Mike Davis

Date 5-28-87

1. Dam Structural Weakness

A. Cracks or scarps on crest None Observed

B. Cracks or scarps on slope None Observed

C. Sloughing or bulging on slope None Observed

2. Major Erosion Problems None Observed

3. Surface Movements of Surrounding Slopes None Observed

4. Visible Sumps or Sinkholes in Slurry Surface None Observed

5. Clogging

A. Spillway channels and pipes None Observed

B. Decant system None Observed - system closed

C. Diversion ditches None observed

6. Seepage (Specify Location, Color and Approximate Volume) _____
None Observed

7. Other Comments _____



**Southern Utah
Fuel Company**

P.O. Box P
Salina, Utah 84654
(801) 529-7428
(801) 637-4880 (Mine)

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JUL 27 1987

**DIVISION OF
OIL, GAS & MINING**

*orig mine file
cc L Broxton*

Subsidiary of
Coastal States
Energy Company

041/002

July 17, 1987

Mr. Harold Thompson
U.S. Environmental Protection Agency
Water Management Division (8 WM-C)
1 Denver Place, Suite 500
999 18th Street
Denver, CO 80202-2413

Dear Mr. Thompson:

In accordance with Part II-A-2 of our NPDES permit UT0022918 and UMC 817.52 (b)(1)(ii), we are notifying you of a noncompliance sample for our NPDES discharge Point 003.

The sample taken 18 June 1987 had a TDS level of 702 mg/l which is 52 mg/l above our permit level of 650 mg/l. A copy of the laboratory analysis is enclosed. This sample was taken as part of our regular NPDES monitoring.

The TDS levels for Point 003 have averaged 621 mg/l for December 1986 through May 1987. The maximum TDS concentration during this same period was 650 mg/l. This concentration is believed to be associated with natural conditions. We have applied for an increase in this level and the new draft permit dated June 26, 1987 allows a maximum allowable TDS concentration of 800 mg/l.

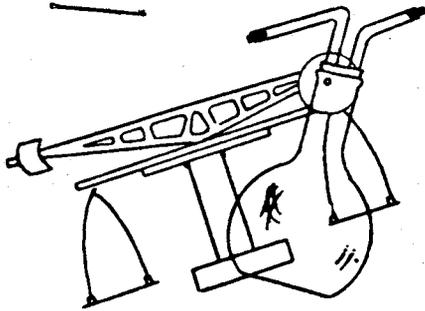
Sincerely,
SOUTHERN UTAH FUEL COMPANY

Wesley K. Sorensen
Chief Engineer

WKS:cfc

Enclosure

xc: Steve McNeal - DOH
Dianne Nielson - DOGM
Keith Welch - CSEC



Ford Chemical LABORATORY, INC.

Bacteriological and Chemical Analysis

40 WEST LOUISE AVENUE
SALT LAKE CITY, UTAH 84115

PHONE 466-8761

RECEIVED
JUL 27 1987

DIVISION OF
OIL, GAS & MINING

DATE: 07/14/87

CERTIFICATE OF ANALYSIS

COASTAL STATE ENERGY
175 E. 400 SO. #800
SALT LAKE CITY, UT
(KEITH WELCH) 84111

87-003013

SAMPLE: WATER SAMPLE NPDES 003 SUFCO -021 COLLECTED 6-18-87 AT 1300
HRS. BY WES SORENSON RECEIVED 6-19-87 FOR ANALYSIS STARTING
AT 10 A.M.

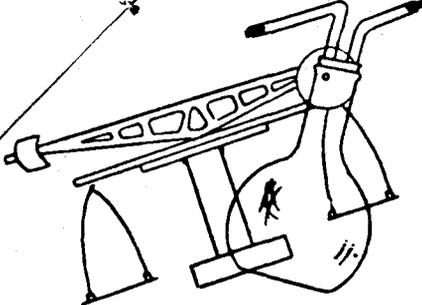
RESULTS

Acidity as CaCO ₃ mg/l SM402Y	<.01
Alkalinity, CaCO ₃ mg/l SM403	240
Barium, Ba (Tot) mg/l SM303A	.05
Bicarbonate, HCO ₃ mg/l SM403	293
Boron as B Total mg/l SM404A	.580
Calcium, Ca mg/l SM303A	120.00
Carbonate as CO ₃ mg/l SM403	<.01
Chloride, Cl mg/l SM407A	12.8
Conductivity umhos/cm SM205	1,080
Hardness, CaCO ₃ mg/l SM314B	452
Hydroxide as OH mg/l SM 403	<.01
Iron, Fe (Dis) mg/l SM303A	<.01
Iron, Fe (Tot) mg/l SM303A	.03

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JUL 17 1987

VIA SLC

SOUTHERN UTAH
FUEL COMPANY



Ford Chemical

LABORATORY, INC.

Bacteriological and Chemical Analysis

40 WEST LOUISE AVENUE
SALT LAKE CITY, UTAH 84115

PHONE 466-8761

PAGE: 2

CERTIFICATE OF ANALYSIS
87-003013

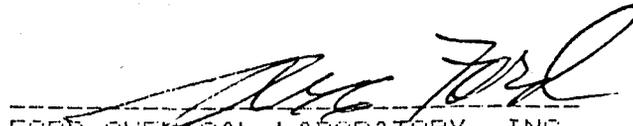
RESULTS

Magnesium, Mg mg/l SM303A	36.40
Manganese, Mn (Dis) mg/l SM303A	<.01
Manganese, Mn (Tot) mg/l SM303A	<.02
Nitrate, NO ₃ -N mg/l SM418C	.10
Oil and Grease mg/l SM503C	.2
Phos. Total PO ₄ -P mg/l SM242G	<.04
Sodium, Na mg/l SM303A	46.36
Sulfate, SO ₄ mg/l SM426D	279
Suspended Solids mg/l EPA160.2	<1
Total Dis. Solids mg/l SM209B	702
Turbidity NTU	.91
pH Units SM423	7.60

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JUL 17 1987

SOUTHERN UTAH
FUEL COMPANY


FORD CHEMICAL LABORATORY, INC.



STATE OF UTAH
 NATURAL RESOURCES
 Wildlife Resources

File Act 1041/002 #15

Norman H. Bangerter, Governor
 Dee C. Hansen, Executive Director
 William H. Geer, Division Director

Southeastern Region • 455 West Railroad Avenue • Price, UT 84501-2829 • 801-637-3310

April 14, 1987

RECEIVED
 APR 17 1987

Mr. Keith Welch
 Coastal States Energy Company
 175 East 400 South, Suite 800
 Salt Lake City, UT 84111

DIVISION OF
 OIL, GAS & MINING

Dear Keith:

Enclosed are the results of the Raptor Survey conducted on 4-14-87, by Miles Moretti, Larry Dalton and yourself. The nests have been plotted on the enclosed maps.

Nest numbers 1 - 3 are all Golden Eagle nests. Nests number one and two were both tended and contained greenery. Nest number three had an adult eagle incubating eggs. The bird did not fly when we passed through the area.

Nest number 4 was located from the USFWS survey of 1981-82. This nest was very old and dilapidated and small, more like a Buteo nest. The nests located by the USFWS in 1981-82 as indicated by the circle, were not located.

Sincerely,

John Livesay/Miles Moretti

John Livesay, Supervisor
 Southeastern Region

JL/MM/dd

Enclosure

cc: ~~Clark Johnson, USFWS - Salt Lake City~~
~~Kathy Mutz, Div. of Oil, Gas & Mining~~

Sue

