

0023



Southern Utah Fuel Company

a subsidiary of The Coastal Corporation

P.O. Box P • Salina, Utah 84654 • (801) 529-7428

Mine: (801) 637-4880

RECEIVED
OCT 30 1989

DIVISION OF
OIL, GAS & MINING

October 25, 1989

Rick Smith
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

ACT/041/002

Dear Rick,

Enclosed are four copies of the pages we jointly modified in the Quitchupah MRP today. These match the ones I telecopied for insertion in the OSM book.

Yours very truly,
SOUTHERN UTAH FUEL COMPANY

Kerry A. Frame,
Mine Services Manager

KAF:jad

Enclosures

xc: Keith Welch



Southern Utah Fuel Company

a subsidiary of The Coastal Corporation

P.O. Box P • Salina, Utah 84654 • (801) 529-7428
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October 6, 1989

Richard V. Smith
Permit Supervisor
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear ^{Rich} Mr. Smith:

Enclosed are four copies of text modifications and hydrology maps for the Quitchupah Lease Addition Permit Application Package. In addition, one complete package incorporating all changes made to date is enclosed for you to forward to OSM.

The changes made since our last submittal are:

1. Added commitments in sections 5.3, 5.4, 6.2, and 6.4 to further address subsidence and spring monitoring concerns of the Manti LaSal National Forest.
2. Modifications to section 6.3 to expand the potential hydrologic consequences statement.
3. Modifications to section 6.4 to include baseline surface and groundwater monitoring data.
4. Modifications to the geology section to include roof and floor rock composition data.
5. Added underground water monitoring locations to Map 6.1 and added Map 6.2 to show the potentiometric surface.

The table of contents has been changed to reflect the effect of making these changes. If you or your staff have any questions, please feel free to call me.

Yours very truly,
SOUTHERN UTAH FUEL COMPANY

Kerry A. Frame
Mine Services Manager

KAF:jad

Enclosure



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P.O. Box P • Salina, Utah 84654 • (801) 529-7428

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KEN PAYNE
Vice President &
General Manager

September 21, 1989

Richard Smith
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

Dear ^{Rick} Mr. Smith:

Keith Welch has attempted to field-verify all of the hydrologic stations on the Quitcupah lease which were noted on the old spring resources map that the Forest Service provided. He was able to locate all of the stations except two (FS-101 and FS-258). He identified point FS-97 in the NE $\frac{1}{4}$ of section 27 to be a stock watering pond.

Enclosed are four copies of the Hydrologic Monitoring Stations Map 6.1 which has been revised to include this updated information. Please forward two of the copies to the respective offices for Manti-LaSal National Forest and Fishlake National Forest.

Yours very truly,
SOUTHERN UTAH FUEL COMPANY

Kerry A. Frame,
Mine Services Manager

KAF/jad



Southern Utah Fuel Company

a subsidiary of The Coastal Corporation

P.O. Box P • Salina, Utah 84654 • (801) 529-7428

Mine: (801) 637-4880

September 14, 1989

Richard V. Smith
Permit Supervisor
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear ^{Rick} Mr. Smith:

Enclosed are four complete copies of text modifications to the Quitchupah Lease Addition Permit Application Package. These are provided in response to the U.S. Forest Service comments dated September 1, 1989. Two of the copies are provided for the U.S.F.S. to review.

The modified pages which specifically address the U.S.F.S. comments are as follows:

<u>Comments</u>	<u>PAP Section</u>
Additional hydrologic monitoring commitments needed	Subchapter 6.4 pages 37, 37a and 42
Commitment to use BAT protection of stream buffer crossings	Chapter 5 pages 27, 28 and 28a
Commitment to design for no subsidence of escarpments	Chapter 5 pages 27, 28, and 28a

The U.S. Forest Service also required in its comment letter that the hydrologic map referenced in subchapter 6.2 be submitted with an updated spring survey for concurrence. The field work necessary to update the map is scheduled for the week of September 18, 1989. We will try to submit the map by September 29, 1989, but in no case will it be submitted later than October 15, 1989.

Additional modifications in this revised PAP version include:

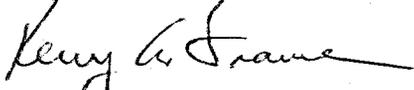
Effect on life of Waste Rock Site	Page 16
Cessation of Operations Statement	Page 17
Subsidence Mitigation Statement	Page 28b
Affidavit of Newspaper Publication	Exhibit VI

Mr. Rick Smith
September 14, 1989
Page 2

The table of contents has been changed to reflect the effect of adding the statement subsections.

If you or your staff have any questions, please feel free to call me.

Yours very truly,
SOUTHERN UTAH FUEL COMPANY



Kerry A. Frame
Mine Services Manager

KAF/jm

Enclosure



Southern Utah Fuel Company

a subsidiary of The Coastal Corporation

P.O. Box P • Salina, Utah 84654 • (801) 529-7428
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KEN PAYNE
Vice President &
General Manager

July 26, 1989

Richard V. Smith
Permit Supervisor
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Mr. Smith:

RE: Response to Initial Completeness Review, Quitchupah Lease Tract Addition

Enclosed are two copies of additions and revisions to the Permit Application Package (PAP) for the Quitchupah Lease Tract Addition. These were made in response to your Initial Completeness Review of July 13, 1989 and comments we received from you and your staff during our meeting last Wednesday.

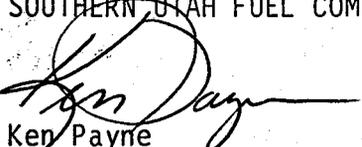
The additions and revisions caused the page number sequence to change. Therefore, we are providing the complete text for Chapters 1.0 through 11.0 with the following other additions to the package:

Exhibit VII	Modified Newspaper Advertisement
Maps 1.1, 1.2, 4.1	Revisions of original submittals
Map 8.1	Vegetation Map
Figure 5.1	Stratigraphic Section
Figure 6.1	Water Well Monitoring Design
Appendix II	Cultural Resources Evaluation Report

Upon your determination that the package is complete with these changes, we will provide 14 copies for you to distribute as necessary.

If you or your staff have any questions, please feel free to call me.

Yours very truly,
SOUTHERN UTAH FUEL COMPANY


Ken Payne
Vice President & General Manager

KAF/jm

Enclosure



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a subsidiary of The Coastal Corporation

P.O. Box P • Salina, Utah 84654 • (801) 529-7428
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KEN PAYNE
Vice President &
General Manager

June 30, 1989

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

Dear Dr. Nielson:

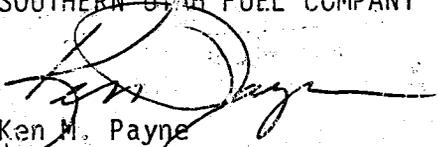
The United States Bureau of Land Management awarded the Quitchupah lease to Coastal States Energy Company on June 13, 1989. We herewith submit our application to modify the Southern Utah Fuel Company Mining Permit to allow us to mine this new lease.

Please find enclosed fourteen copies of the application to allow Division distribution to other regulatory agencies for review. The application has been prepared as a separate volume to the previously permitted SUFCo Mining and Reclamation Plan. This new volume addresses the regulatory requirements as they apply to the Quitchupah Lease.

Our mining schedule is such that we anticipate the need to mine on the new lease early in 1990. To give the Division review time necessary to allow a January 1990 approval, we are submitting this application prior to our consultant's completion of required vegetation studies. Vegetation data and discussion will be submitted before July 24, 1989. The places in the application where this information is to be inserted later are noted in the application package. Insertion instructions will also be provided with the vegetation material.

Please initiate the review and approval process of this SUFCo mining plan modification to allow mining on the Quitchupah Lease in early 1990. I will be pleased to discuss any questions you or your staff have with this submittal by telephone.

Very truly yours,
SOUTHERN UTAH FUEL COMPANY


Ken M. Payne
Vice President & General Manager

KAF/jm

Enclosures



**Southern Utah
Fuel Company**

P.O. Box P
Salina, Utah 84654
(801) 529-7428
(801) 637-4880 (Main)
(801) 534-3296 (Fax)

Subsidiary of
Coastal States
Energy Company

*File ACT/041/002
#2*

FACSIMILE COVER PAGE

TO: PAM GRUBAUGH-LITTING LOCATION: _____

FROM: KERRY FRAME LOCATION: _____

THIS TRANSMISSION CONSISTS OF _____ PAGES INCLUDING COVER PAGE

MESSAGE: PAGE 28 # 3.1.5 SHOULD

TAKE CARE OF YOUR CONCERN.

COPY FOR YOUR MRP VOL. 9

FOLLOWS COPY OF 9-21-88 LETTER.

If you have trouble with this transmission, please call (801) 637-4889.

Kerry

Ken Payne
Vice President & General Manager

Subsidiary of
Coastal States
Energy Company



**Southern Utah
Fuel Company**

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

September 21, 1988

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

Dear Dr. Nielson:

Enclosed are stipulation responses for Southern Utah Fuel Company's waste rock disposal site that was approved by the Division on August 26, 1988. Included with the stipulation responses are 14 copies of updated materials for Volume 9 of the MRP "Waste Rock Disposal Site MRP Modification". Please distribute these to the appropriate agencies for updating their copy of Volume 9.

Sincerely,
SOUTHERN UTAH FUEL COMPANY

Ken M. Payne
V. P. & General Manager

UIC 817.48 (USL)

wp:dcf

Enclosure

Addressed in
Section 3.1.5
of Vol. 9.

STIPULATION RESPONSES
WASTE ROCK DISPOSAL SITE
SEPTEMBER 1988

Division's Stipulation UMC 817.11 - (1) - SCL

1. A mine and permit identification sign must be placed at each point of access from a public road to the area of surface operations prior to initiation of surface-disturbing activities. The sign shall show the name, business address, telephone number, mine name and permit identification number.

Applicant's Response

Identification signs were posted on August 30, 1988 prior to initiation of surface-disturbing activities.

Division's Stipulation UMC 817.13 -.15 - (1) - JRH

1. Prior to the construction or abandonment of any water monitoring wells, and no later than 30 days from permit approval for the waste rock disposal facilities, the operator shall incorporate into the plan, a commitment to construct and abandon all water monitoring wells in compliance with the Administrative Rules for Water Well Drillers, Division of Water Rights.

Applicant's Response

Addressed in revised section 4.7.

Division's Stipulation UMC 817.22 - (1) - JSL

1. Within 90 days of permit approval the operator shall submit to the Division, plans to remove sufficient volume of soil materials such that a 2.5 feet soil redistribution depth over the waste materials will be achieved.

Applicant's Response

Section 3.22 Topsoil Handling, Section 4.5 Soil Preparation and Fertilization Plan, and the Waste Rock Disposal Reclamation cost section Appendix III, and the Topsoil Estimate Section Appendix III have been revised to show a minimum of 30 inches of soil cover. A minimum of 45 inches of soil will be collected for redistribution on the waste rock disposal site disturbed area where soil cover is available.

Division's Stipulation UMC 817.41 - (1) - RPS

1. Within 30 days of permit approval, the applicant must submit an appropriate number of copies of all baseline ground water quality data collected to date in a format for direct insertion into the approved Mining and Reclamation Plan (MRP). The submittal must also contain a summary narrative discussing the results of the monitoring program.

Applicant's Response

Addressed in revised Section 4.7.3.

Division's Stipulation UCM 817.48 - (1) - JSL

1. Within 90 days of permit approval, the operator shall submit to the Division, a commitment to submit an acid- or toxic- forming mitigation plan if the collected quarterly waste analysis indicates that an acid- or toxic- forming potential exists other than high boron levels. Said acid- or toxic- forming material mitigation report shall be submitted to the Division not more than 30 days from receipt of analysis. All identified potential acid- or toxic- forming materials must be buried or treated within 30 days after the material is first exposed on the mine site. The proposed mitigation plan must meet the requirements of UMC 817.48 and UMC 817.103.

Applicant's Response

Addressed in new Section 3.1.5.

Division's Stipulation UMC 817.49 - (1) - RPS

1. The applicant must submit a certification report that complies with the requirements of subsection (h) of this rule within 30 days of completion of the construction of the sedimentation pond.

Applicant's Response

Southern Utah Fuel Company will submit a certification report consistent with the requirements of UMC 817.49 (h) within 30 days after completion of the sedimentation pond construction.

Division's Stipulation UMC 817.52 - (1) - RPS

1. The applicant must submit a revised ground water monitoring plan. In addition to the proposed plan, this plan is to include: 1) collection of baseline water quality and level measurements for a period of two years (inclusive of data collected to date) in accordance with the Division Guideliness for Water Monitoring Programs, 2) specific sampling frequency information, and 3) a plan for collection of ground water quality and level data during the operational and postmining phases of the project. This plan must be submitted in approvable form within 30 days of permit approval.

Applicant's Response

Addressed in revised Section 4.7.2.

Division's Stipulation UMC 817.89 - (1) - JRH

1. Within 30 days of permit approval, the operator shall incorporate into the plan for the waste rock disposal facility, a commitment not to dispose non-coal waste materials within the refuse embankment and to dispose of non-coal waste materials in accordance with the requirements of this section.

Applicant's Response

Addressed in revised Section 3.1.4.

Division's Stipulation UMC 817.99 - (1) - JSL

1. Within 30 days of permit approval, the operator shall provide and incorporate into the text of the MRP a commitment to notify the Division in the event of a slide or other damage as required by this section.

Applicant's Response

Addressed in revised Section 3.1.4.

Division's Stipulation UMC 817.101 - (1) - JRH

1. Within 90 days of permit approval, the operator shall revise the plan to increase the amount of cover material required in accordance with the requirements of Stipulation UMC 817.22-(1)-JSL. At the same time all drawings, text, and calculations relevant to this change in the amount of cover material shall also be modified and resubmitted into the plan.

Applicant's Response

See response to stipulation UMC 817.229-(1)-JSL.

Division's Stipulation UMC 817.111 - (1) - LK

1. Within 30 days of permit approval, the operator will clarify the seeding method to be used and revise the appropriate pages in the MRP to clarify the discrepancy. If broadcast seeding methods are to be utilized, the operator must also identify the broadcast seeding rate.

Applicant's Response

Discrepancy located in Section 4.6.1 has been corrected to reflect drilling as the method to be used for seed distribution.

Division's Stipulation UMC 817.114 - (1) - LK

1. Within 30 days of permit approval, the operator will clarify the rate of straw mulch to be applied during reclamation activities.

Applicant's Response

The rate of straw mulch to be used is now discussed in Section 4.6.2.

Division's Stipulation UMC 817.116 - (1) - LK

1. Within 30 days of permit approval, the operator will modify Table 4.6.3-1 of the MRP to show that productivity will be sampled on reclaimed areas for the last two (2) years (years 9 and 10) of the liability period.

Applicant's Response

Table 4.6.3-1 Revegetation Monitoring Schedule has been revised to include productivity monitoring during years 9 and 10.

3.1.5 Acid and Toxic Forming Materials

Based on preliminary analyses of material similar to that which will be placed in the waste rock disposal site, no acid forming problems are anticipated. There is a potential for borderline toxicity problems from boron and selenium. Samples of the waste material will be collected quarterly when the site is receiving material and will be analyzed for acid or toxic forming potential. Should a problem be identified, a mitigation plan will be prepared and submitted to the Division for approval within 30 days of receipt of the analysis.

All identified potential acid or toxic forming materials will be buried within 30 days after the material is first exposed on the minesite.

Copies of laboratory reports on toxicity/acid-base accountability from representative waste samples are included as Exhibit 5.

3.2 COMPONENTS OF OPERATION

3.2.1 Sedimentation Pond

A sedimentation pond shall be constructed down gradient from the rock fill area to control sediment removed from the disturbed areas by surface runoff in accordance with UMC 817.46. The pond shall be constructed prior to disturbing any other areas of the site. It must remain in place until the waste rock disposal area has been completely restored.

The pond shall consist of an excavated storage basin. Suitable material removed from the excavation shall be used to construct an embankment on the downstream perimeter of the excavation to yield a maximum storage depth in the pond of 5.70 feet.

Revised 9/88



Coastal States Energy Company

175 East 400 S. • Suite 800 • Box 3 • Salt Lake City, UT 84111
a subsidiary of The Coastal Corporation (801) 596-7111

RECEIVED
SEP 19 1989

DIVISION OF
OIL, GAS & MINING

September 15, 1989

Mr. Rick Smith
Division of Oil, Gas and Mining
335 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear ^{Rick} Mr. ~~Mr.~~ Smith:

Attached for your review are copies of the water quality data from the SUFCO/Quitcupah monitoring sites. These data, as requested by Tom Munson, include collections for July and August. The September data will be provided as soon as the laboratory reports are available.

Please call if you have questions.

Sincerely,

Keith W. Welch

Keith W. Welch
Environmental Coordinator

KWW/ak/181

attachments

xc: Wess Sorensen (w/o attachment)



Southern Utah Fuel Company

a subsidiary of The Coastal Corporation

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KEN PAYNE
Vice President &
General Manager

July 26, 1989

Richard V. Smith
Permit Supervisor
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Mr. Smith:

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Yours very truly,
SOUTHERN UTAH FUEL COMPANY


Ken Payne
Vice President & General Manager

KAF/jm

Enclosure



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ACT/041/00 #2

RECEIVED
SEP 15 1989

DIVISION OF
OIL, GAS & MINING

September 14, 1989

Richard V. Smith
Permit Supervisor
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear ^{Rick} Mr. Smith:

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Additional modifications in this revised PAP version include:

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Cessation of Operations Statement	Page 17
Subsidence Mitigation Statement	Page 28b
Affidavit of Newspaper Publication	Exhibit VI

Mr. Rick Smith
September 14, 1989
Page 2

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If you or your staff have any questions, please feel free to call me.

Yours very truly,
SOUTHERN UTAH FUEL COMPANY



Kerry A. Frame
Mine Services Manager

KAF/jm

Enclosure