

**Southern Utah
Fuel Company**

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

Subsidiary of
Coastal States
Energy Company

June 24, 1983

Mr. Dick Allred
Fishlake National Forest
P.O. Box 646
55 South 100 East
Richfield, Utah 84701

Dear Dick:

Southern Utah Fuel Company, under the Special Use Permit granted to Coastal States Energy Company dated November 10, 1977, has permission to use the forest land described in the permit to accommodate a spring collection system, and sanitary drain field. On May 16, 1983, we requested permission to perform needed maintenance work on the drain field, which was granted by your office. During subsequent onsite visits with John Hansen of the Department of Health and Darrel Hintze of the Forest Service, it has been determined that a new drain field is needed.

We hereby request an amendment to our Special Use Permit to construct a new drain field to the northeast of our present field which has failed and to reclaim the present drain field. Attached is a copy of the Department of Health's letter requiring the new drain field.

To construct the new drain field, SUFCo requests permission to do the following:

1. Perform two percolation tests to verify previous percolation tests as required by the Department of Health.
2. Regrade the Convulsion Canyon road from the paved mine road to the site. This will allow better access for equipment for gravel hauling and construction.
3. Install a new drain field using deep trench absorption methods. The anticipated design consists of 6 lateral trenches 100 feet long interconnected on the end and 23 feet apart. The trenches will be dug 7½ feet deep and 2 feet wide and back filled with 4½ feet of 3-12" gravel. Perforated pipelines will then be installed within a bed of ½"-2½" sewer gravel 1 foot in depth. The remaining 2 feet of trench will be backfilled with native soil. This design has proven effective in similar soil types and will utilize an area of approximately 100' x 120'. The attached map shows the present field and proposed new field location. The drain field area will be reseeded with a grass mixture.

Mr. Dick Allred
June 24, 1983
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4. Reroute the road around the drain field within the stream channel buffer zone.
5. Reclaim the old field by covering with soil borrowed from adjacent hillsides and seeding with SUFCO's standard seed mixture used on drill sites.
6. Borrow material from adjacent hillsides to fill in ravine if necessary, to obtain area for drain field. Borrowed areas will be smoothed and reseeded.

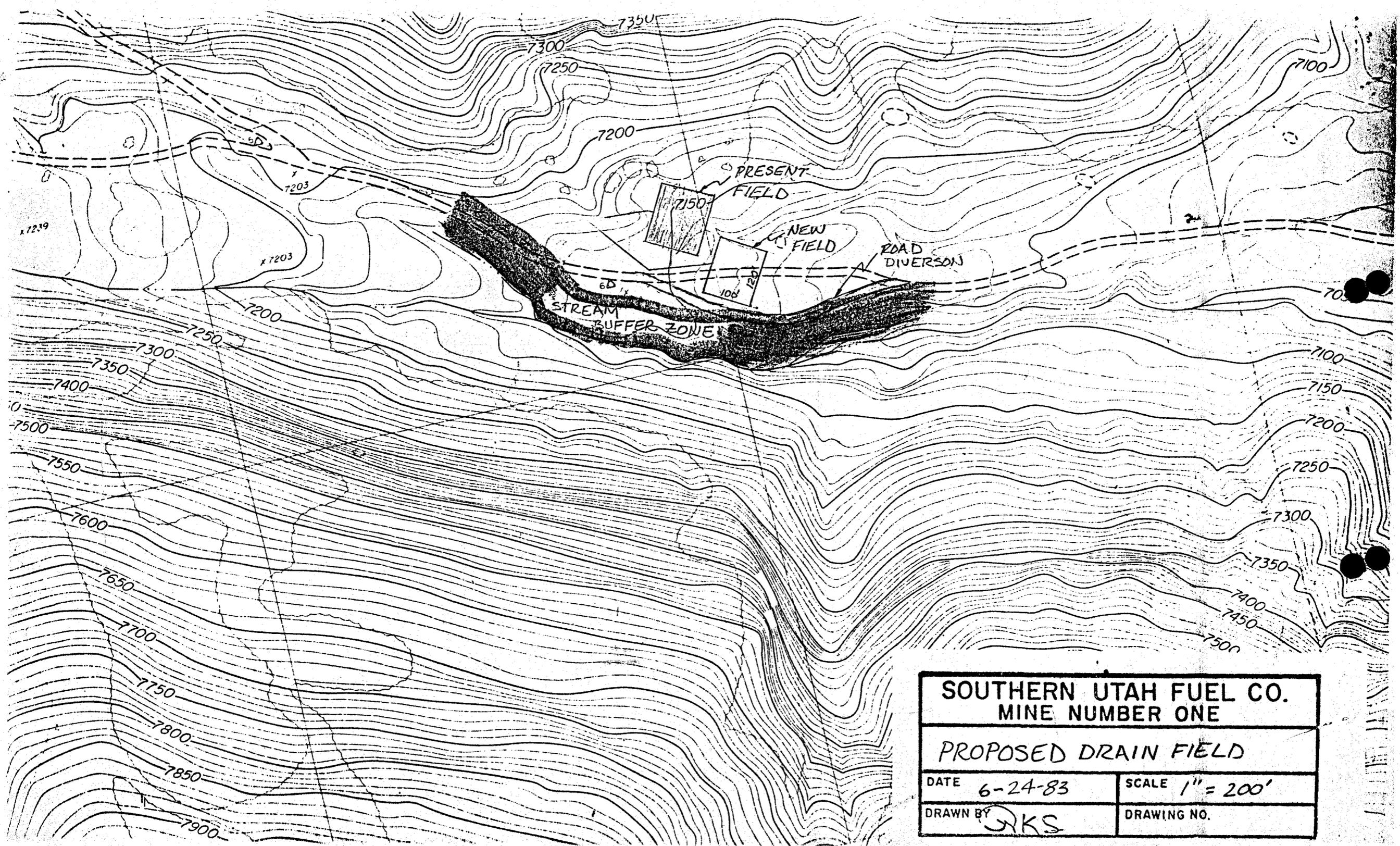
Sincerely,
SOUTHERN UTAH FUEL COMPANY



Wesley K. Sorensen
Senior Engineer

WKS:dlj

xc: Ken Payne



SOUTHERN UTAH FUEL CO. MINE NUMBER ONE	
PROPOSED DRAIN FIELD	
DATE 6-24-83	SCALE 1" = 200'
DRAWN BY JKS	DRAWING NO.



DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
Utah Water Pollution Control Committee
150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110-2500

Calvin K. Sudweeks
Executive Secretary
Room 410 801-533-6146

June 17, 1983
533-6146

James O. Mason, M.D., Dr.P.H.
Executive Director
Department of Health
801-533-6111
||
Marv H. Maxell, Ph.D.
Acting Director
Division of Environmental Health
801-533-6121

Mr. Wesley K. Sorensen
Southern Utah Fuel Company
P.O. Box P
Salina, UT 84654

MEMBERS

- Grant K. Borg, Chairman
- W. Lynn Cottrell
- Harold B. Lamb
- Marv H. Maxell, Ph.D.
- Franklin N. Davis
- Dale P. Bateman
- Joseph A. Urbanik
- C. Arthur Zeldin
- Mrs. Lloyd G. Bliss

RE: Absorption Field Failure

Dear Mr. Sorensen:

During an inspection with you and Mike Davis on June 9, 1983, it was observed that the SUFCo drainfield had failed and there was ponded sewage on top of the ground. The sewage constitutes a health hazard and immediate remedial action is needed.

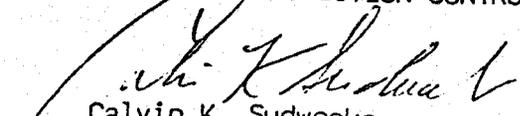
Since the plans which were submitted to this office to expand the failing drainfield cannot be approved, a new drainfield system will have to be installed. The following schedule is proposed for SUFCo to meet to eliminate the health hazard.

1. Immediately post warning signs telling people to keep out of the raw sewage.
2. Submit to this office plans for a new drainfield by July 1, 1983.
3. Complete the construction of the new drainfield by August 1, 1983.

Please inform us immediately if you will have any trouble meeting this schedule. Any alternate schedule proposed must have substantial justification. We must advise you that if the targeted schedule dates are not met, enforcement action against SUFCo may be taken.

Sincerely,

UTAH WATER POLLUTION CONTROL COMMITTEE


Calvin K. Sudweeks
Executive Secretary

JWH:gb
cc: Central Utah DHD
2153



**Southern Utah
Fuel Company**

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

Subsidiary of
Coastal States
Energy Company

June 30, 1983

Mr. Calvin K. Sudweeks
Executive Secretary
Department of Health
P.O. Box 2500
Salt Lake City, Utah 84110-2500

RE: Absorption Field Failure

Dear Mr. Sudweeks:

An onsite inspection was held with Darrel Hintze of the U.S. Forest Service on June 23, 1983. He concurred that the drain field had failed and that remedial action was necessary. An application for the new drain field was submitted to the USFS on June 24, 1983, a copy of which is attached. The Forest Service indicated that they could not get this application processed within the time frame necessary for us to complete the new drain field by August 1, 1983. We therefore propose that SUFCo complete the new drain field within 45 days of obtaining permission from the U.S. Forest Service and Department of Health approval. This will allow sufficient time for material delivery and construction.

Attached is our proposed design for the absorption field. It is based on deep trench absorption criteria using 25 gallons per capita for 340 employees or 8500 gallons/day. Our current work force is 300 at full capacity. The total trench length required would be 532 feet using a wall area of 10 square feet for a 5 foot deep trench and a rate of 1.6 gallons/day square feet (Table V-7 of Part V). We will install six 100 foot laterals for a total length of 600 feet or 6000 square feet of sidewall area. In addition, the bottom interconnecting line between laterals will be installed using the same design as used on the laterals. All lines will be installed level and be of 4" PVC construction.

We respectfully request that you approve this drain field design and allow us to proceed with construction on the schedule outlined above.

Sincerely,
SOUTHERN UTAH FUEL COMPANY

Wesley K. Sorensen
Senior Engineer

WKS:dlj

Enclosure