ANNUAL REPORT

UTAH FUEL COMPANY
SKYLINE MINES

1993

Table 2.3.7-1

COMPREHENSIVE WATER QUALITY ANALYTICAL SCHEDULE
(SURFACE AND GROUNDWATER STATIONS)
-LOW SUMMER FLOW-
(AUGUST - SEPTEMBER)

ANNUAL - WATER QUALITY STATIONS CS-1, CS-2, CS-3, CS-4, CS-6, CS-7, CS-8, CS-9, CS-10, CS-11, CS-12, CS-13, CS-14, UPL-10, VC-6, VC-9, VC-10, S10-1, S12-1, S13-2, S13-7, S14-4, S15-3, S17-2, S22-5, S22-11, S23-4, S24-12, S26-13, S34-12, S35-8, S36-12, WRDS #1, WRDS #2, WRDS #3 and WRDS #4.
Note: The waste rock disposal site well 92-91-03MW will be monitored in accordance with Division water monitoring guidelines for ground water baseline through the summer of 1994.

FIELD MEASUREMENTS	LABORATORY MEASUREMENTS	
Flow	Acidity	Lead, Total & Dis
Dissolved Oxygen	Alkalinity	Magnesium
pH	Ammonia	Manganese, Total & Dis
Specific Conductance	Barium, Total & Dis	Nitrate
Temperature, Air	Bicarbonate	Phosphate
Temperature, Water	Boron, Total & Dis	Potassium
Turbidity	Calcium	Sodium
	Chloride	Sulfate
Note: Station VC-9 will use calculated flow from Station CS-6 and CS-13.	Copper, Total & Dis	Suspended Solids
	Fluoride	Total Dissolved Solids
	Iron, Total & Dis	

ADDITIONS TO THE COMPREHENSIVE SCHEDULE FOR ECCLES CANYON STREAM STATIONS AND WASTE ROCK DISPOSAL SITE

Includes stations CS-1, CS-2, CS-3, CS-4, CS-6, CS-9, CS-11, CS-12, CS-13, CS-14, VC-6, VC-9, VC-10, WRDS #1, WRDS #2, WRDS #3 and WRDS #4.

Cyanide	Phenols
Oil & Grease	Total Organic Carbon

WELLS - WATER LEVEL ONLY

Well locations: W79-10-1A, W79-10-1B, W79-14-2A, W79-14-2B, W79-22-2-1, W79-22-2-2, W79-26-1, W79-35-1A, W79-35-1B.

CHANGE TO	TEXT	
Table 2.3.7-1 Page 2-36	Table 2.3.7-1 Page 2-36	Date 09/30/92

TABLE 2.3.7-2

ABBREVIATED WATER QUALITY ANALYTICAL SCHEDULE
(SURFACE AND GROUNDWATER STATIONS)
-HIGH SPRING (APRIL - JUNE) AND
LATE FALL (OCTOBER - NOVEMBER) FLOWS-

SEASONAL - WATER QUALITY STATIONS CS-1, CS-2, CS-3, CS-4, CS-6, CS-7, CS-8, CS-9, CS-10, CS-11, CS-12, CS-13, CS-14, UPL-10, VC-6, VC-9, VC-10, S10-1, S12-1, S13-2, S13-7, S14-4, S15-3, S17-2, S22-5, S22-11, S23-4, S24-12, S26-13, S34-12, S35-8, S36-12, WRDS #1, WRDS #2, WRDS #3 and WRDS #4.

FIELD MEASUREMENT	LABORATORY MEASUREMENTS	
Flow	Ammonia	Nitrate
pH	Bicarbonate	Phosphate
Specific Conductance		CalciumPotassium
Temperature, Air	Chloride	Sodium
Temperature, Water	Iron, Total	Sulfate
Turbidity	Magnesium	Suspended Solids
	Manganese, Total	Total Dissolved Solids

NOTE: Station VC-9 will use calculated flow data from Stations CS-6 and CS-13.
Dissolved oxygen will be measured at Stations CS-2, CS-6, VC-6 and VC-9.

SEASONAL ADDITIONS TO THE ABBREVIATED SCHEDULE
FOR ECCLES CANYON STREAM STATIONS
AND WASTE ROCK DISPOSAL SITE STATIONS

Includes stations CS-1, CS-2, CS-3, CS-4, CS-6, CS-9, CS-11, CS-12, CS-13, CS-14, VC-6, VC-9, VC-10, WRDS #1, WRDS #2, WRDS #3 and WRDS #4.

Phenols
Oil & Grease

WELLS - WATER LEVEL ONLY

Well locations: W79-10-1A, W79-10-1B, W79-14-2A, W79-14-2B* W79-22-2-1, W79-22-2-2* W79-26-1, W79-35-1A, W79-35-1B.

*Failed Casings

In addition to the high spring and late fall monitorings taken at all stations, winter season monitoring (Dec. - Feb.) for the above abbreviated schedule, including seasonal additions, will be taken at the following stations as accessibility permits: CS-2, CS-3, CS-6, CS-9, CS-11, CS-12, CS-13, CS-14, VC-6, VC-9 and VC-10. Station CS-15 will be monitored for flow only each Spring, Summer and Fall beginning Fall 1988.

CHANGES TO;		TEXT		
Table 2.3.7	Page 2-37	Table 2.3.7-2	Page 2-37	Date 2/23/93

TABLE 2.3.7-3

MONITORING STATION IDENTIFICATION

ECCLES CANYON

STREAM STATIONS - 11 Stations

CS-1	CS-2	CS-3	CS-4	CS-6 CS-9
CS-11	CS-15	VC-6	VC-9	VC-10

MINE DISCHARGE STATIONS - 2 Stations

CS-12 (Mine #3) CS-14 (Mine #1)

FRENCH DRAIN STATIONS - 1 Station

CS-13

HUNTINGTON CANYON

STREAM STATIONS - 5 Stations

CS-7 CS-8 CS-10 UPL-3* UPL-10

WASTEROCK DISPOSAL SITE

STREAM STATIONS - 4 Stations

WRDS #1 WRDS #2 WRDS #3 WRDS #4

GROUNDWATER STATIONS

SPRINGS - 15 Stations

S10-1	S12-1	S13-2	S13-7 S14-4
S15-3	S17-2	S22-5	S22-11 S23-4
S24-12	S26-13	S34-12	S35-8 S36-12

WELLS (MONITORING) - 9 Well Stations

W79-10-1A	W79-10-1B	W79-14-2A	W79-14-2B*
W79-22-2-1	W79-22-2-2*	W79-26-1	W79-35-1A
W79-35-1B.			

WELLS, CULINARY -Referenced but not monitored

W13-1 W13-2 W17-1 W17-3 W24-1

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES)

001 Portal Area 002 Loadout Area

* Failed Casings

CHANGES TO;		TEXT		
Table 2.3.7	Page 2-38	Table 2.3.7-3	Page 2-38	Date 2/23/93

Permit No.: UT-0023540

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
DENVER PLACE
999 18TH STREET, SUITE 500
DENVER, COLORADO 80202-2405

AUTHORIZATION TO DISCHARGE UNDER THE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C. Section 1251 et seq; the "Act"),

The Coastal States Energy Company - Utah Fuel Company, Skyline Mine,

is authorized to discharge from a facility located in Section 13, Township 13 South, Range 6 East, and Section 17, Township 13 South, Range 7 East, Carbon County, Utah,

to receiving water named Eccles Creek, a tributary of the Price River,

in accordance with discharge point(s), effluent limitations, monitoring requirements and other conditions set forth herein. Authorization for discharge is limited to those outfalls specifically listed in the permit.

This permit shall become effective September 1, 1990.

This permit and the authorization to discharge shall expire at midnight, Setpember 30, 1994.

Signed this 15th day of August, 1990.

Authorized Permitting Official

Max H. Dodson
Director
Water Management Division
Title

MINE (Rev. 03/02/90)

CLIMATOLOGIC DATA

ALL CLIMATOLOGIC DATA FOR THIS SITE HAVE BEEN INCLUDED ON THE DISKETTE WITH THE WATER QUALITY DATA. SEE SECTION A OF THIS REPORT.

1993 REVEGETATION REPORT

During 1993, Utah Fuel Company followed the approved SCS revegetation plan for the overland conveyor bench area. A copy of the inspection of this plan by the SCS is enclosed. All seeding was done with the approved seed mix. In addition, the following shrub seedlings were planted:

1. 200 Englemann Spruce
2. 1000 Woods Rose
3. 1000 Mountain Sagebrush
4. 500 White Stem Rubber Rabbit Brush

The shrub seedlings were planted by the trained Flame-N-Go crew from the Utah State Prison. The Flame-N-Go crew also spent two days in Musk Thistle control work on all permitted areas.

KZ:dk

UNITED STATES
DEPARTMENT OF
AGRICULTURE

SOIL
CONSERVATION
SERVICE

350 NORTH 400 EAST
PRICE, UTAH 84501

April 8, 1994

Keith Zobell
Utah Fuel Company
P.O. Box 719
Helper, utah 84526

Dear Mr. Zobell:

During the Fall of 1993 an inspection was conducted of the vegetative practices being conducted by the Utah Fuel Company along the conveyor bench.

The surviving shrubs planted in Area 1 look good. Although the survival rate is low, the cumulative effect is becoming noticeable. Utah Fuel Company should continue practices 2, 3, 4, 5, and 6 on Area 1. Practice 3 and 6 should continue on Area 4 as the density of shrubs and grass planted on Area 4 need to be improved. You should continue to withhold fertilizer until a better climatical condition occurs. Practice 6 should continue on all areas.

Utah Fuel is doing a good job of following the outlined plan. I don't feel it is necessary to continue to inspect the area every year. Therefore, we will start inspecting the planting practices every 3 years and the seeding trials every 5 years.

I have enclosed a copy of the seeding trial examination.

We will plan on visiting the vegetation pratices in 1997 and the seeding trials in 1999. In the interim period, if you have questions, please feel free to call me.

George S. Cook

George S. Cook
Range Conservationist

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

FIELD PLANTING EVALUATION

Cooperator: Skyline Mine Planting Plan Number: UT 88009

Field: Area on Beltline Soil:

Field Office: Price Utah Evaluation Date: 10/15/93

Land Use:

Conservation Practice erosion control

Plants to Evaluate

Characteristices	1	2	3	4	5	6	7	8
Survival								
Weed Competition								
Vigor								
Destroyed?								
Adaptation to Site								
Effectiveness of Use								
Visual Rating of Stand								

Plants to Evaluate:

1. See attachment
2.
3.
4.
5.
6.
7.
8.

Characteristics Legend:

Survival:
Percent
Weed Competition:
Rating (1 none, 9 severe)
Vigor:
Rating (1 best, 9 worst)
Destroyed?
Answer yes if the planting was destroyed, or no if it still exists.
Adaptation to Site:
Rating (1 best, 9 worst) - Will the plant perform adequately on this site given proper management?
Effectiveness of Use:
Rating (1 best, 9 worst) - Does the plant meet the requirements for the conservation practice used in this planting?
Visual Rating of Stand - (1 best, 9 worst); 1 plant per square foot = good = 3

Remarks: The Area where the beltline was constructed is no more, the other three parts of the seeding is still in tact I would suggest that we just look at this every other year. The plant that are doing good look very well to use in this type of area.

Consider resistance to insects, drought or wetness tolerance, spring recovery, spreading, seed production, AUM's of grazing, lbs./acre, and wildlife values.

10-10-93

SKAINE Mine / Utah FUEL COMPANY PLANT MATERIAL PLOTS [1]

[2] Mixture # 5

Species	Steep Slope		Gentle Slope	
	Fertilized	Non-Fertilized	Fertilized	Non Fertiliz
Rosana western wheatgrass	Fair	Fair	Fair	Fair
Paiute orchardgrass	very good	good	good	good
Covar sheep Fescue	good	good	good	good
Bandera Rocky Mt. Penstemon	Fair	Fair	Fair	Fair
Mixture 6				
Tegmar intermediate wheatgrass	Fair	Fair	Fair	Fair
Durar hard Fescue	high Fair	Low Fair	high Fair	high Fair
T21076 Thickspike wheatgrass	good	good	good	Fair
Lutana cicer milkvetch	very good	good	very good	good
Mixture 7				
San Luis slender wheatgrass	good	good	good	good
P21 Agre x Agsp wheatgrass	Fair	Fair	Fair	Fair
Cascade birdsfoot trefoil	Poor	Poor	Poor	Poor
Blueleaf aster	starting to be more in every plot		high Fair	high Fair
Western yarrow	good	good	good	good

all plots grazed by wildlife

some seedlings + grazed

[1] see layout and design sheet [2] aster is not listed died out of mix 1 he

10-10-93

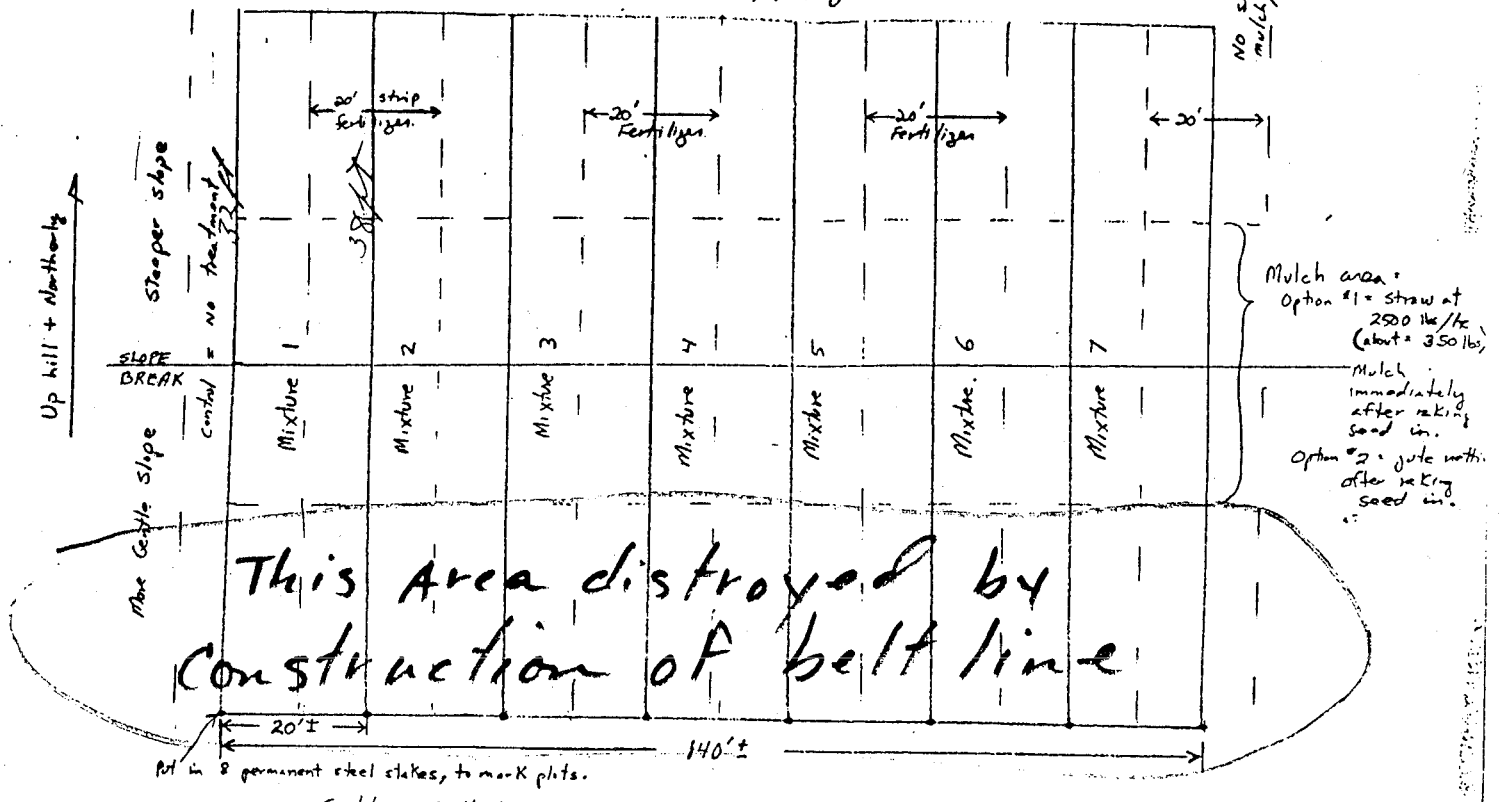
SKLINE Mine/Utah FUEL COMPANY PLANT MATERIAL PLOTS [1]

[2] Mixture #1

Species	Steep Slope		Gentle Slope	
	Fertilized	Non-fertilized	Fertilized	Non Fertilized
Luna pubescent wheatgrass	very good	good where soil	Very good	
Hycrest crested Wheatgrass	Poor	Poor	Poor	Poor
Manchar smooth Brome	Poor	Poor	poor	Poor
Appar Lewis Flax	good	good	very good	very good
Kalo dwarf birdfoot trefoil	Poor	Poor	Poor	Poor
Mixture #2				
Topar pubescent wheatgrass	very good	very good	good	Fair
Ephraim crested wheatgross	None	Poor	None	
Sodar streambank wheatgrass	Fair	Fair	Fair	Fair
Delmar small burnet	Fair	Fair	← all These plots grozed by wildlife	Good
Mixture #3				
P1281863 Rush wheatgrass	Good	Good	Good	Fair
P27 Siberian Wheatgrass	Good	Good	Good	Fair
Critana thickspike wheatgrass	Fair	Fair	Fair	Fair
Cedar Palmer penstemon	Poor	Poor	Fair	Poor
Mixture #4				
Arriba western wheatgrass	None	None	None	Fair
T36554 Mountain rye	very good	Good	Good	Fair
Sherman big blue grass	Good	very good	very Good	Good
Summit Louisiana Sage	Poor	Poor	Poor	Poor

[1] Site layout and design sheet [2] species not listed died out of mixture

LAYOUT AND DESIGN
SKYLINE MINE/UTAH FUEL COMPANY
PLANT MATERIAL ADAPTABILITY PLOTS
8/8/88 JZK



Seeding: Each mixture is 20' x 100' broadcast, target 100 seeds/sq ft. raked in as well as possible. Goal is 50% overstory grass, 20% understory grass 30% forb and legumes. .04 lb acres each. See Plan for mixes. Seed Fall of 1988.

Fertilize: South to north in 20' strips, ½ to adjoining treatments, entire length, about 100'±.
Use starter fertilizer, slow release, 10-10-10 or similar %, at 40 lbs/ac. N or about.
7.3 lbs N = on 75 lbs of 10-10-10.
Fertilize just prior to seeding, fall 1988.

Coastal
The Energy People

April 5, 1994

I, Carl W. Winters, do certify that on March 21, 1994, I personally inspected the sedimentation pond located at the railroad loadout area, and it:

1. Has been basically constructed and maintained as designed, and in accordance with the approved plan and R645-301-533.

2. Is monitored according to NPDES Permit No. UT-0023540.

3. The depth of the pond is 5.7 feet. Overflow elevation is 7,919.71 feet. The maximum observed depth and elevation of water for the past year is 2.0 feet and 7,916 feet, respectively.

4. The pond was enlarged in 1993 to a new existing storage capacity of 1.62 acre feet.

5. No fires have occurred in the construction material.

6. No hazardous conditions or instability of the dam or embankment have been detected. Woody vegetation is growing on the embankment. It will be removed in 1994.

Carl W. Winters
Registered Professional Engineer
Utah Registration No. 5118

REGISTERED PROFESSIONAL ENGINEER
CWW
4-7-94
NO. 5118
STATE OF UTAH

SEDPNDCR.KZ

Utah Fuel Company
A SUBSIDIARY OF THE COASTAL CORPORATION
P.O. BOX 719 • HELPER UT 84526-0719 • 801 637-7925 • FAX 801 637-7909 • SALT LAKE 801 596-7111

Coastal
The Energy People

April 5, 1994

I, Carl W. Winters, do certify that on March 21, 1994 I personally inspected the sedimentation pond located at the Mine Portal area, and it:

1. Has been basically constructed and maintained as designed, and in accordance with the approved plan and R645-301-533.

2. Is monitored according to NPDES Permit No. UT-0023540.

3. The depth of the pond is 19.6 feet. Overflow elevation is 8,579.6 feet. The average maximum depth and elevation of water for the past year is 19.6 feet and 8,579.6 feet, respectively.

4. The existing storage capacity is 8.98 acre feet.

5. No fires have occurred in the construction material.

6. No hazardous conditions or instability have been detected.

7. This sedimentation pond is an incised pond and therefore has no dam or embankment.

8. Sediment was removed from the pond during October, 1993.

Carl W. Winters
Registered Professional Engineer
Utah Registration No. 5118

REGISTERED PROFESSIONAL ENGINEER
CWW
4-7-94
NO. 5118
STATE OF UTAH

SEDPNDCR.KZ

Utah Fuel Company
A SUBSIDIARY OF THE COASTAL CORPORATION
P O BOX 719 • HELPER UT 84526-0719 • 801 637-7925 • FAX 801 637-7929 • SALT LAKE 801 596-5111

Coastal
The Energy People

April 5, 1994

I, Carl W. Winters, do certify that on November 4, 1993, I personally inspected the sedimentation pond located at the Waste Rock Disposal area, and it:

1. Has been basically constructed and maintained as designed and in accordance with the approved plan and R645-301-533.

2. The depth of the pond, excluding sediment, is a minimum of 10.0 feet. This is a total containment pond, and - therefore, has no constructed overflow structure. The elevation of the bottom of the pond is 7,940 feet. The maximum depth and elevation of water for the past year is 1.50 feet and 7,941.5 feet, respectively.

3. The existing storage capacity is approximately .70 acre feet.

4. No fires have occurred in the construction material. There is an underground mine fire in the vicinity of the pond which has had fire control work done on it. To date, the fire has had no effect on the pond.

5. No hazardous conditions or instability have been detected.

6. This sedimentation pond is an incised pond, and therefore, has no dam or embankment.

Carl W. Winters
Registered Professional Engineer
Utah Registration No. 5118

REGISTERED PROFESSIONAL ENGINEER
CARL
4-7-94
NO. 5118
STATE OF UTAH

Utah Fuel Company
A SUBSIDIARY OF THE COASTAL CORPORATION
P.O. BOX 719 • HELPER UT 84526-0719 • 801 637-7935 • FAX 801 637-7929 • SALT LAKE 801 596-7111

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-9306

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TEL: (801) 653-2311
FAX: (801) 653-2436

August 27, 1993

UTAH FUEL COMPANY
P.O. Box 719
Helper, Utah 84526

Sample identification by
UTAH FUEL COMPANY

Kind of sample reported to us: Coal

Sample taken at: Utah Fuel

Sample taken by: Utah Fuel

Date sampled: June 23, 1993

Date received: June 24, 1993

Scofield Waste Rock
Soil Sample

REVISED REPORT:
(CORRECTED SELENIUM)

Analysis report no. 59-161266

SOIL ANALYSIS

pH	8.1 units
Conductivity	3.08mmhos/cm
Saturation %	36.1

PARTICLE SIZE ANALYSIS

% Sand	66.9
% Silt	20.4
% Clay	12.7
TEXTURE:	Sandy Loam

SOLUBLE CATIONS

Calcium	21.0 meq/l
Magnesium	11.3 meq/l
Sodium	4.44 meq/l
Sodium Adsorption Ratio	1.10
Exchangeable Sodium Percentage	0.39

Rock Fragments	55.4 %
Total Nitrogen	0.38 %
Nitrate-nitrogen	1.52 mg/kg
Organic Carbon	28.4 %

Total Available Selenium
<.02 mg/kg
Total Available Boron
1.52mg/kg

Available Water Capacity
13.7 (1/3)
9.7 (15)

ACID BASE POTENTIAL

Maximum Acid Potential	10.0 tons CaCO3/ 1000 tons
Neutralization Potential	123.0 tons CaCO3/ 1000 tons
Acid-Base Potential	113.0 tons CaCO3/ 1000 tons

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-9306

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TEL: (801) 653-2311
FAX: (801) 653-2436

November 9, 1993

UTAH FUEL COMPANY
P.O. Box 719
Helper, Utah 84526

Sample identification by
UTAH FUEL COMPANY

Kind of sample reported to us: Soil

Sample taken at: Utah Fuel — Scofield Gob

Sample taken by: Utah Fuel

Date sampled: ------

Date received: September 29, 1993

Analysis report no. 59-164209

SOIL ANALYSIS

pH	7.6 units	Rock Fragments	21.8 %
Conductivity	2.64mmhos/cm	Total Nitrogen	0.01 %
Saturation %	31.8		
		Organic Carbon	2.90 %

PARTICLE SIZE ANALYSIS

% Sand	58.2
% Silt	31.6
% Clay	10.2
TEXTURE:	Sandy Loam

Total Available Selenium
<0.02mg/kg
Total Available Boron
0.52mg/kg

SOLUBLE CATIONS

Calcium	12.6 meq/l
Magnesium	4.95 meq/l
Sodium	11.4 meq/l

Available Water Capacity
16.3 (1/3)
8.80 (15)

Sodium Adsorption Ratio	3.85
Exchangeable Sodium Percentage	7.14

ACID BASE POTENTIAL

Maximum Acid Potential	1.56	tons CaCO3/ 1000 tons
Neutralization Potential	39.5	tons CaCO3/ 1000 tons
Acid-Base Potential	37.9	tons CaCO3/ 1000 tons

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory

COASTAL STATES ENERGY COMPANY

LIST OF CORPORATE OFFICERS

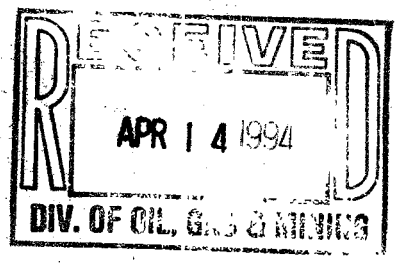
AN UPDATED LISTING OF CORPORATE OFFICERS AND CORPORATE STRUCTURE WAS SUBMITTED IN FEBRUARY 1994. AN APPROVAL OF THIS LISTING BY THE DIVISION IS PENDING.

AS PER A TELEPHONE CONVERSATION WITH DARON HADDOCK AND KEITH ZOBELL THE UNAPPROVED LIST WILL NOT BE REPEATED IN THIS ANNUAL REPORT.

COAL MINING AND RECLAMATION OPERATIONS FOR 1993

(Must be submitted to the Division by April 15, 1994)

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203
(801) 538-5340



Permittee: Coastal States Energy Company & Skyline Coal Company

Mine Name: Skyline Mines No. 1 and No. 3

Mailing Address: 175 East 400 South, Suite 800 Salt Lake City, Utah 84111

Company Representative: Ken Payne

Resident Agent: Vernal J. Mortensen

Permit Number: ACT/007/005

MSHA ID Number: Mine No. 1 42-01435 Mine No. 3 42-01566

Date of Initial Permanent Program Permit: November 9, 1982

Date of Permit Renewal: May 1, 1992

Quantity of Coal Mined (tonnage) 1993: 5,182,000

Attach Updated Mine Sequence Map(s) showing mine development through December 31, 1993. (Same as Lease Royalty Payment Map and/or MSHA Progress Map)

All monitoring activities during the report period to be submitted with this report (including, but not limited to):

A. General

1. **Discuss anomalies, missing data and monitoring changes made throughout the year.**
2. **Summarize any corrective actions and the results that may have occurred during the year.**

B. Water Monitoring Data:
Groundwater Summary

1. **Mine Discharge**
   a. **Summarize the total annual discharge from mine water discharge points and breakdown on a monthly basis for each site.**
   b. **Discuss the past five years of data comparing changes in discharge. Elements such as mining rate, location of faults or large in-mine flows during the year should be discussed.**
   c. **Discuss trends and exceedence in water quality parameters. A correlation with flow could provide additional information.**