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Coastal
The Energy People

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CC: Steve Demczak

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JAN 11 1993

DIVISION OF
OIL GAS & MINING

January 5, 1993

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

Dear Mr. Braxton:

Enclosed are annual certification reports for Southern Utah Fuel Company's Minesite Sedimentation Pond, Waste Rock Disposal Site and the associated Waste Rock Sedimentation Pond.

These certifications are being submitted prior to SUFCO's Annual Report as required by R645-514.

Sincerely,
SOUTHERN UTAH FUEL COMPANY

Wesley K. Sorensen, P.E.
Chief Engineer

WKS:jad

Enclosures

Southern Utah Fuel Company

A SUBSIDIARY OF THE COASTAL CORPORATION

397 SOUTH 800 WEST • SALINA UT 84654 • 801/637-4880 • FAX 801/534-3296

**ANNUAL WASTE ROCK DISPOSAL SITE
CERTIFICATION -- 1992**

An inspection of Southern Utah Fuel Company's Waste Rock Disposal Site was made by Wesley K. Sorensen, P.E. on December 22, 1992.

The second lift of the waste rock disposal site has been reclaimed using moguels to enhance vegetation growth. The resulting surface of about two acres was hydroseeded in accordance to the M&RP during October 1992. The third lift is just started with a maximum height of about 13 ft.

The active area pad of the third lift has approximate dimensions of 100 ft x 195 ft. Underground development waste is end dumped from 10 wheel dump trucks in piles about 3.5 ft high. These piles are leveled with a D-8 Cat dozer. The resulting lift thickness is 18-24 inches. The dozer and loaded trucks are routed over the pad to compact the lift.

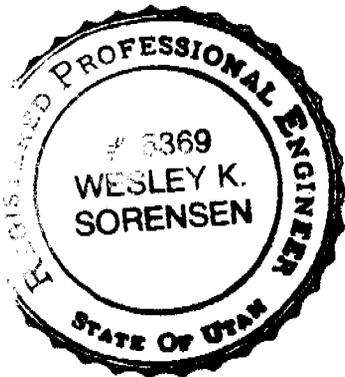
Final and intermediate construction slopes were less than the designed 1v:2h. Slopes are constructed such that water cannot pond against the toe.

No fires have occurred to date and none were observed during the inspection.

No significant erosion was observed.

A copy of the field notes are attached.

I certify that the above description accurately represents the conditions observed at the Waste Rock Disposal Site during my inspection on December 22, 1992.



A handwritten signature in black ink that reads "Wesley K. Sorensen". The signature is written in a cursive style and is positioned above a horizontal line.

Wesley K. Sorensen, P.E.
Registration No. 5369
State of Utah

WKS:jad

Attachment

**ANNUAL WASTE ROCK SEDIMENTATION POND
CERTIFICATION -- 1992**

An inspection of Southern Utah Fuel Company's Waste Rock Sediment Pond and associated Decant Impoundment was made on December 22, 1992 by Wesley K. Sorensen, P.E.

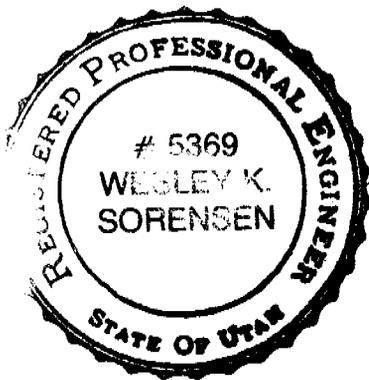
No signs of structural weakness of the sediment pond dam or decant impoundment dam were observed.

The diversion ditches, spillways and decant device are in as-constructed condition and are functional.

The sediment level in the center of the sediment pond is at 7884.14 ft. At the time of the inspection there was snow in the pond. The total storage volume between 7884.14 and 7889.50 (spillway) is 0.72 acre ft. No sediment or water was observed in the decant impoundment.

A copy of the field notes of the inspection are attached.

I certify that the above description accurately represents the condition of the Waste Rock Sedimentation Pond and Decant Impoundment observed during the inspection.



Wesley K. Sorensen

Wesley K. Sorensen, P.E.
Registration No. 5369
State of Utah

WKS:jad

Attachment

**ANNUAL MINESITE SEDIMENTATION POND
CERTIFICATION -- 1992**

An inspection of Southern Utah Fuel Company's Minesite Sediment Pond was conducted by Wesley K. Sorensen, P.E. on December 23, 1992.

No signs of structural weakness of the dam or surrounding slopes were observed.

The fill slope above the pond has minor erosion gullies in several locations. No signs of instability of the fill slope were noted.

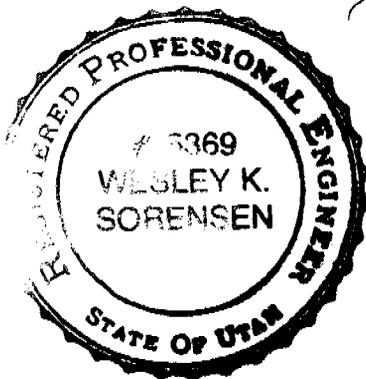
The primary spillway was raised to an elevation of 7418.15 to gain additional capacity in accordance with the M&RP. The sediment level is at 7410.03 ft. 15 feet directly west of the primary spillway.

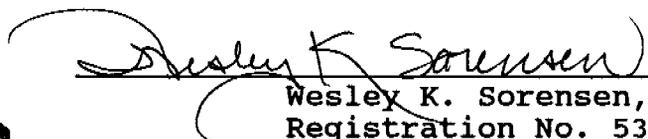
The water level in the pond during the inspection was 7413.11 ft. which is 5.04 feet below the standpipe spillway elevation. An additional 0.979 acre-ft of storage volume was available in the pond above the current water level. The sediment level in the pond was at 7410.03 feet which corresponds to a sediment volume of 0.514 acre-ft based on a level sediment surface and the pond volume in the M&RP. This is 92.6% of the maximum sediment volume. The sediment pond will require cleaning during 1993, when weather conditions permit.

A copy of the field notes are attached.

I certify that the above description accurately represents the condition of the Minesite Sediment Pond as observed during my inspection on December 23, 1992.

WKS:jad




Wesley K. Sorensen, P.E.
Registration No. 5369
State of Utah

SOUTHERN UTAH FUEL COMPANY

Rock Waste Sediment Pond ^{Annual} Inspection Report

Inspector Wesley K. Sorensen Date 12/22/92

1. Dam Structural Weakness

A. Cracks or scarps on crest Yes No

B. Cracks or scarps on slope Yes No

C. Sloughing or bulging on slope Yes No

2. Major Erosion Problems Yes No

3. Surface Movements of Surrounding Slopes Yes No

4. Visible Sumps or Sinkholes in Slurry Surface Yes No

5. Clogging

A. Spillway channels and pipes Yes No

B. Decant System Yes No

C. Diversion ditches

___ Yes No

6. Seepage (Specify Location, Color and Approx. Volume) ___ Yes No

7. Any appearance of instability, structural weakness, or other hazardous conditions ___ Yes No

8. Other Comments

92.58	
<u>8.44</u>	101 1/4
84.14	

from TOP OF CATWALL TO SEDIMENT IN POND CENTER

No water in pond.
 13" of snow in most areas
 Clear & sunny, slight wind
 Deer & elk in area
Decant Impoundment

No cracks
 No bulging
 No sloughing
 No water
 spillway in as built condition

SOUTHERN UTAH FUEL COMPANY
Coal Refuse Piles ~~Annual~~ Inspection Report

Inspector Wesley K Sorensen Title Chief Eng P.E.

Date 12/22/92 Permit # Act/041/002

1. Foundation Preparation (vegetation, topsoil removal?) Yes No

2. Lift Thickness (Inches) ~ 18"-24"

3. Compaction (4 to 6 complete passes) Yes No

4. Burning (specify extent and location) Yes No

None during year

5. Angle of Slope (degrees) _____

6. Seepage (specify location, color, & appr. volume) Yes No

7. Cracks or Scarps (location, size) Yes No

8. Major Erosion Problems (location and extent) Yes No

9. Water Impounding Against Toe Yes No

10. Any appearance of instability, structural weakness, or other hazardous conditions 1st lift veg doing well Yes No

Active PAD EW NS 100' x 195' 2nd lift reclaimed ~ 2 acres
Moquels were put in to increase surface roughness.
3rd lift about 13ft high

EAST WEST
SOUTH 33% 43%
CENTER 42% 35%
NORTH 47% 62%
doc#66 Avg 1:2.46 1:2.14
 6"-20" of snow cover

Wesley K. Sorensen, P.E.
Registration No. 5369
State of Utah

SOUTHERN UTAH FUEL COMPANY

Minesite Sediment Pond ^{Annual} Inspection Report

Inspector Nesley K Sorensen Date 12/23/92

1. Dam Structural Weakness

A. Cracks or scarps on crest Yes No

B. Cracks or scarps on slope Yes No

C. Sloughing or bulging on slope Yes No

2. Major Erosion Problems Yes No

Fill slope north of pond has minor erosion gullies

3. Surface Movements of Surrounding Slopes Yes No

4. Visible Sumps or Sinkholes in Slurry Surface Yes No

Water in pond ICE LEVEL = 7413.11
SCD LEVEL = 7410.03

5. Clogging

A. Spillway channels and pipes Yes No

Small delta at inlet

B. Decant System Yes No

C. Diversion ditches

___ Yes No

6. Seepage (Specify Location, Color and Approx. Volume) ___ Yes No

7. Any appearance of instability, structural weakness, or other hazardous conditions ___ Yes No

None observed

8. Other Comments

South & East slope free of most snow
Road & westside & north slope dam 2-6" snow
clear @ 30°F 11:30-12:30

