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041/002 #6

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DIVISION OF
OIL, GAS & MINING

December 20, 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

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 MINESITE SEDIMENTATION POND
CERTIFICATION -- 1993**

An inspection of Southern Utah Fuel Company's Minesite Sediment Pond was conducted by Wesley K. Sorensen, P.E. on December 20, 1993.

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

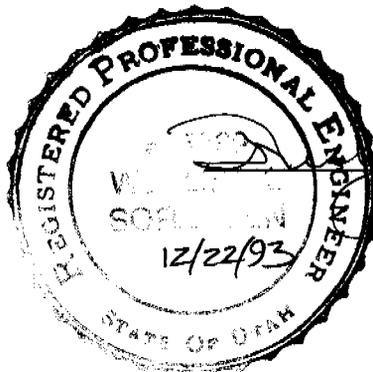
The fill slope above the pond has minor erosion gullies in several locations. No signs of instability of the fill slope were noted.

The sediment pond was cleaned out completely during September of 1993. A new survey was completed detailing the pond surface after cleaning. The low sediment level was at an elevation of 7398.8 ft.

The water level in the pond during the inspection was 7412.98 ft. which is 5.17 feet below the standpipe spillway elevation. An additional 0.94 acre-ft of storage volume was available in the pond above the current water level. The sediment level in the pond was at 7398.8 feet during the September 1993 cleaning, which corresponds to a sediment volume of 0.0 acre-ft based on a level sediment surface and the pond volume in the M&RP.

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 20, 1993.



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

WKS:jad

Attachment

MLD 2/27/92

SOUTHERN UTAH FUEL COMPANY

Minesite Sediment Pond Quarterly Inspection Report

Inspector Wesley K Sorensen Date 12/20/93

1. Dam Structural Weakness

A. Cracks or scarps on crest Yes No
None observed

B. Cracks or scarps on slope Yes No
None observed

C. Sloughing or bulging on slope Yes No
None observed

2. Major Erosion Problems Yes No
Some ^{erosion} on fill slope above pond.
Rive lets 4-12" deep in places

3. Surface Movements of Surrounding Slopes Yes No
None observed

4. Visible Sumps or Sinkholes in Slurry Surface Yes No

5. Clogging

A. Spillway channels and pipes Yes No
Clear

B. Decant System Yes No
Functional & locked

C. Diversion ditches

Yes No

clear

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

None observed

7. Any appearance of instability, structural weakness, or other hazardous conditions

Yes No

None observed

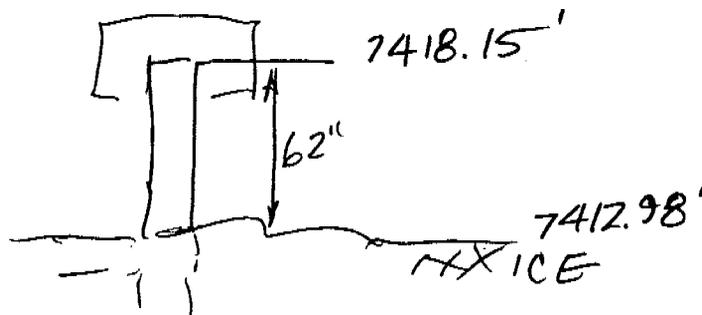
8. Other Comments

Clear & sunny

Temp = 25°F

Snow 0-3"

ICE LEVEL 62" below stand pipe out flow level
Note: Pond cleaned in sept-oct.



**ANNUAL WASTE ROCK SEDIMENTATION POND
CERTIFICATION -- 1993**

An inspection of Southern Utah Fuel Company's Waste Rock Sediment Pond and associated Decant Impoundment was made on December 20, 1993 by Wesley K. Sorensen, P.E.

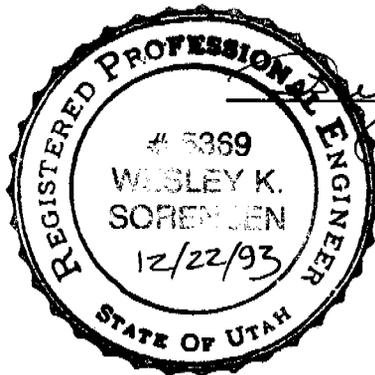
No signs of structural weakness of the sediment pond dam or decant impoundment dam were observed.

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 7884.16 ft. At the time of the inspection there was snow in the pond. The total storage volume between 7884.16 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, P.E.
Registration No. 5369
State of Utah

WKS:jad

Attachment

SOUTHERN UTAH FUEL COMPANY

Rock Waste Sediment Pond Quarterly Inspection Report

Inspector Wesley K Sorensen Date 12/20/93

1. Dam Structural Weakness

A. Cracks or scarps on crest Yes No
None observed

B. Cracks or scarps on slope Yes No
None observed

C. Sloughing or bulging on slope Yes No
None observed

2. Major Erosion Problems Yes No
None

3. Surface Movements of Surrounding Slopes Yes No
None

Sediment Level center of pond 7884.16'

4. Visible Sumps or Sinkholes in Slurry Surface Yes No
No water in pond

5. Clogging

A. Spillway channels and pipes Yes No
AS DESIGNED - clear

B. Decant System Yes No
Functional AS DESIGNED
LOCKED

C. Diversion ditches Yes No

Edge of debris & sediment

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

None observed

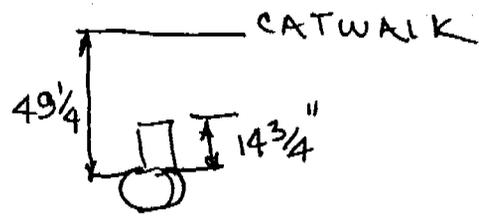
7. Any appearance of instability, structural weakness, or other hazardous conditions Yes No

None observed

8. Other Comments

Temp: 25^o Clear & sunny
Snow: 0-12"
Deer & Elk wintering in area

35"
66"
101"
SED LEVEL
101" BELOW CATWALK



Decant impoundment
No cracks
No sloughing
No bulging
NO appearance of instability, structural weakness,
or other hazardous conditions
No water in impoundment.

**ANNUAL WASTE ROCK DISPOSAL SITE
CERTIFICATION -- 1993**

An inspection of Southern Utah Fuel Company's Waste Rock Disposal Site was made by Wesley K. Sorensen, P.E. on December 20, 1993.

The second cell of the waste rock disposal site has been reclaimed using moguls to enhance vegetation growth. The resulting surface of about two acres was hydroseeded in accordance to the M&RP during October 1992. Good vegetative growth was observed. The third cell is being constructed. The height of the third cell is about 18 ft.

The active area pad of the third cell is approximately 240 ft x 75 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. Drainage of the active pad area precludes water ponding on the surface of the fill.

No fires have occurred at the site since it was constructed 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 20, 1993.



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

WKS:jad

Attachment

SOUTHERN UTAH FUEL COMPANY

Coal Refuse Piles Quarterly Inspection Report

Inspector Wesley K Sorensen Title Chief Engineer

Date 12/20/93 Permit # Act/041/002

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

2. Lift Thickness (inches) 1 1/2 - 2 ft

3. Compaction Yes No

4. Burning (specify extent and location) Yes No

None observed throughout year

5. Angle of Slope (degrees) ARE 25-27°, S 10-15°, E 20-25°, W 20-24°

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

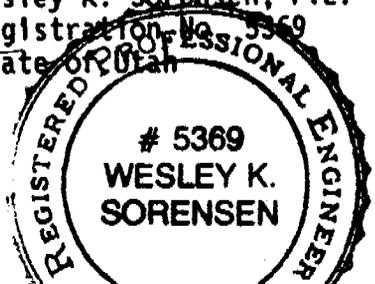
10. Any appearance of instability, structural weakness, or other hazardous conditions Yes No

Active pond 75'wx 240' L approx

Temp: 25° F
Snow cover: None to 4"

Wesley K Sorensen

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



Slope above road to active lift 25-27°

South slope 10-15°

East slope 20-25°

West slope 20-24°