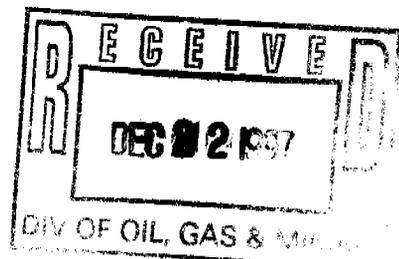


**CF**  
0033

**Canyon Fuel Company, LLC**  
SUFCO Mine  
397 South 800 West  
Salina, Utah 84654  
(801) 637-4880 Fax: (801) 636-4499



*Pam*

December 17, 1997

Mr. James W. Carter  
Utah Coal Regulatory Program  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, UT 84114-5801

Re: Annual Report for Canyon Fuel Company LLC, SUFCO Coal Mine

*ACT/041/002  
#6*

Dear Mr. Carter:

Attached herewith is a copy of the annual report for the Canyon Fuel Company, SUFCO coal mine for 1997. The information included is thought to be complete as requested. Questions should be referred to Wess Sorensen at (435) 637-4880.

Sincerely,  
CANYON FUEL COMPANY  
SUFCO Mine

Wesley K. Sorensen, P. E.  
Technical Services Manager

Enclosures

WKS:kb

**ANNUAL MINESITE SEDIMENTATION POND  
CERTIFICATION -- 1997**

An inspection of Southern Utah Fuel Company's Minesite Sediment Pond was conducted by Wesley K. Sorensen, P.E. on December 17, 1997.

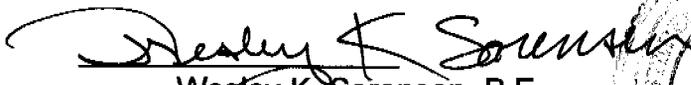
No signs of structural weakness of the dam or surrounding slopes were observed.

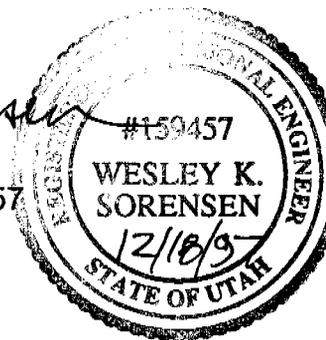
The fill slope above the pond has minor erosion gullies in several locations. No signs of instability of the fill slope were noted.

The water in the pond was froze during the inspection at and elevation of 7417.08 ft, which is 1.07 ft below the standpipe spillway elevation. An additional 0.226 acre-ft of storage volume was available in the pond above the current water level. The sediment level in the pond was at 7409.61, which is above the 60% sediment level (7408.9 ft). A total of 0.081 acre-ft of sediment storage volume is available between the 7409.61 ft level and the maximum sediment level of 7411.4.

A copy of the field notes is attached.

I certify that the above description accurately represents the condition of the Minesite Sediment Pond as observed during my inspection on December 17, 1997.

  
Wesley K. Sorensen, P.E.  
Registration No. 159457  
State of Utah



WKS:kb

Attachment

2/27/92 MLD

SOUTHERN UTAH FUEL COMPANY

Minesite Sediment Pond <sup>Annual</sup> Quarterly Inspection Report

Inspector Wesley K Sorensen, P.E. Date 12/17/97

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

Minor erosion on slopes above pond

3. Surface Movements of Surrounding Slopes  Yes  No

None

4. Visible Sumps or Sinkholes in Slurry Surface  Yes  No

Ice on surface of pond

5. Clogging

A. Spillway channels and pipes  Yes  No

None

B. Decant System  Yes  No

Locked and close

C. Diversion ditches  Yes  No

None Outlet of bypass CMP was  
cleared w/ backhoe during the year

6. Seepage (Specify Location, Color and Approx. Volume)

Yes  No

None observed

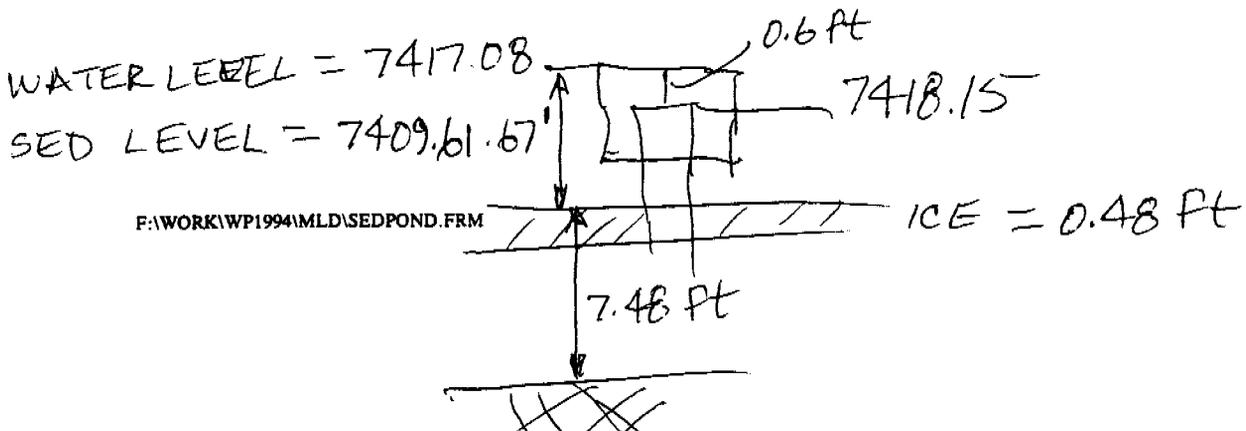
7. Any appearance of instability, structural weakness, or other hazardous conditions

Yes  No

8. Weir level  Yes  No

9. Other Comments

Barc slopes, Sun shining 30°F



**ANNUAL WASTE ROCK DISPOSAL SITE  
CERTIFICATION -- 1997**

An inspection of Southern Utah Fuel Company's Waste Rock Disposal Site was made by Wesley K. Sorensen, P.E. on December 17, 1997.

The active area pad of the third cell has approximate dimensions of 180 ft x 50 ft. No piles of development waste were on the pad at the time of the inspection. Underground development waste is dumped from 10 wheel end-dump trucks in piles about 3.5-4 ft high. These piles are leveled with a D-6 Cat dozer or a 988 Cat loader. The resulting lift thickness is 18-24 inches. The dozer/loader and loaded trucks are routed over the pad to compact the lift.

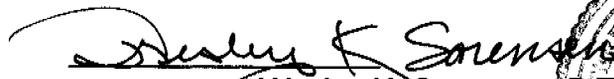
Final and intermediate construction slopes were at or less than the designed 1v:2h. Slopes are constructed such that water cannot collect against the toe.

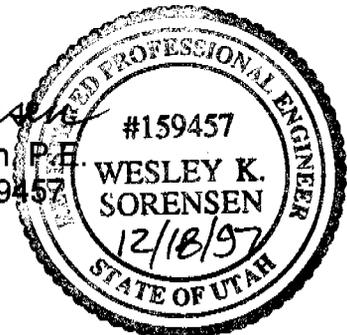
No fires have occurred at the site since it was constructed and none were observed during the inspection.

No significant erosion was observed.

A copy of the field notes is attached.

I certify that the above description accurately represents the conditions observed at the Waste Rock Disposal Site during my inspection on, December 17, 1997.

  
Wesley K. Sorensen, P.E.  
Registration No. 159457  
State of Utah



WKS:kb

Attachment

SOUTHERN UTAH FUEL COMPANY

Coal Refuse Piles <sup>Annual</sup> Quarterly Inspection Report

Inspector Wesley K Sorensen Title P.E.

Date 12/17/97 Permit # ACT/041/002

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

2. Lift Thickness (inches) 18-24"

3. Compaction  Yes  No

4. Burning (specify extent and location)  Yes  No  
None observed

5. Angle of Slope (degrees) East 23-27° South 20-25°  
West 24-27°

6. Seepage (specify location, color, & appr. volume)  Yes  No  
None observed

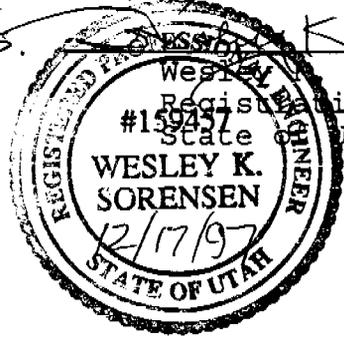
7. Cracks or Scarps (location and size)  Yes  No  
None observed

8. Major Erosion Problems (location and extent)  Yes  No  
None observed

9. Water Impounding Against Toe  Yes  No  
Good drainage away from toe

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

No Piles. Active pad 185' x 50' about 10-15 ft vertical left in current cell. Topsoil stripped and stock piled for next cell w/ ditches around perimeter. Good veg on reclaimed cells.



**ANNUAL WASTE ROCK SEDIMENTATION POND  
CERTIFICATION -- 1997**

An inspection of Southern Utah Fuel Company's Waste Rock Sediment Pond and associated Decant Impoundment was made on December 17, 1997 by Wesley K. Sorensen, P.E.

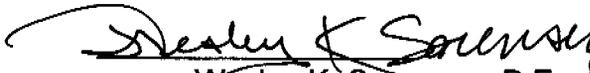
No signs of structural weakness of the sediment pond dam or decant impoundment dam were observed.

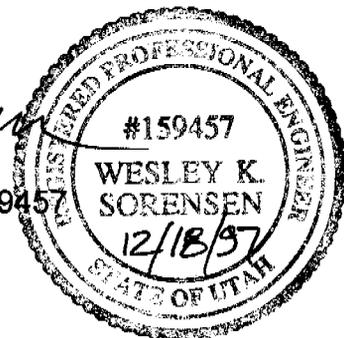
The diversion ditches, spillways and decant devices are in as-constructed condition and are functional. The eastern diversion ditch needs to be inspected near the western edge of cell 2 when snow cover clears in the Spring. A large drift is in the area now.

No water was present in the pond. The sediment level near the center of the pond was at 7883.8 ft. The 60% sediment level for the pond is at 7885.15 ft. About 0.71 acre-ft of storage volume was available in the pond. No sediment or water was observed in the decant impoundment.

A copy of the field notes of the inspection is 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. 159457  
State of Utah



WKS:kb

Attachment

SOUTHERN UTAH FUEL COMPANY

Rock Waste Sediment Pond <sup>Annual</sup> Quarterly Inspection Report

Inspector Wesley K Sorensen P.E. Date 12/17/97

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

{ Pond has 0.3-0.6ft snow in bottom NO ice.  
Sediment delta in Pond bottom near eastern collector entrance, does not effect function

4. Visible Sumps or Sinkholes in Slurry Surface  Yes  No

5. Clogging  
A. Spillway channels and pipes  Yes  No

None observed

B. Decant System — Yes  No

closed & locked

C. Diversion ditches — Yes  No

clear

Check easterly ditch near west edge of cell 2 in late spring. Large snow drift may be obscuring

6. Seepage (Specify Location, Color and Approx. Volume) a sediment delta  
— Yes  No

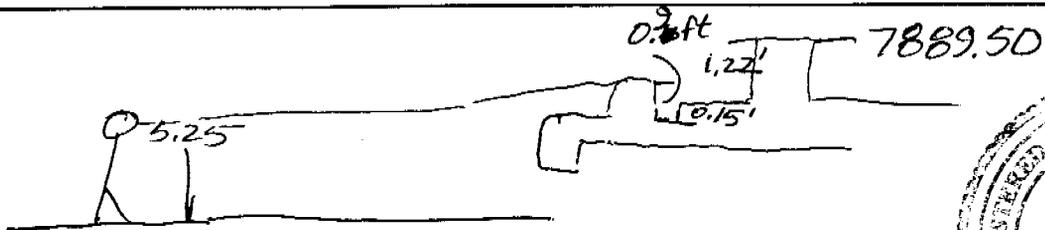
None observed

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

None observed

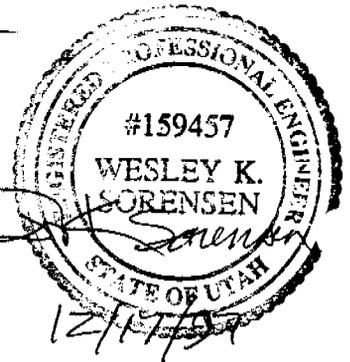
8. Other Comments

Decant pond okay, structurally sound, no erosion, deer & elk in area



F:\WORK\WP1994\MLD\SED POND.FRM

7889.5  
 -1.22  
 -0.15  
 +0.80  
 -5.25



7883.48 7883.78