

0059



**Canyon Fuel Company, LLC**  
SUFCO Mine  
397 South 800 West  
Salina, Utah 84654  
(435) 637-4880 Fax: (435) 636-4499

July 30, 2004

Utah Coal Program  
Utah Division of Oil, Gas, and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

*Meding*  
*8/04/0002*

Dear Program Supervisor:

Enclosed are annual certification reports for Canyon Fuel Company's SUFCO Mine: 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,  
CANYON FUEL COMPANY, LLC  
SUFCO Mine

A handwritten signature in cursive script that reads "Wesley K. Sorensen".

Wesley K. Sorensen, P.E.  
Director of Process Improvement

WKS:kb

cc: DOGM Sediment Pond Inspection File  
Mike Davis  
Craig Hilton

RECEIVED

AUG 04 2004

**ANNUAL MINESITE SEDIMENTATION POND  
CERTIFICATION -- 2004**

Wesley K. Sorensen, P.E. on July 30, 2004, conducted an inspection of Canyon Fuel Company's SUFCO Minesite Sediment Pond.

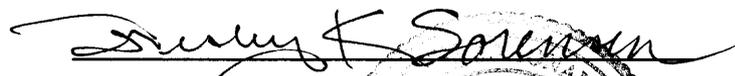
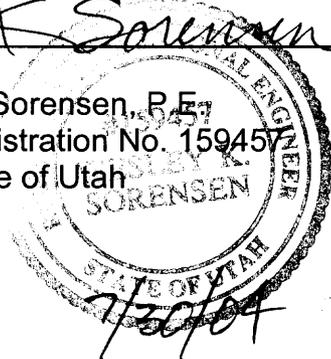
No signs of structural weakness of the dam or surrounding slopes were observed.

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 at an elevation of 7418.13, which is at the standpipe spillway elevation. About an additional 0.29 acre-ft of storage volume was available in the pond above the current water level. The sediment level in the pond just north of the decant structure was at 7408.03. This elevation is 1.07 ft below the 60% sediment level.

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 July 30, 2004.

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


WKS:kb

Attachment

E. Decant System  Yes  No

Clear valve-locked

Oil skimmer attachment needs to be repaired.

C. Diversion ditches  Yes  No

Clear

Access road ditch needs to be repaired.

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

Yes  No

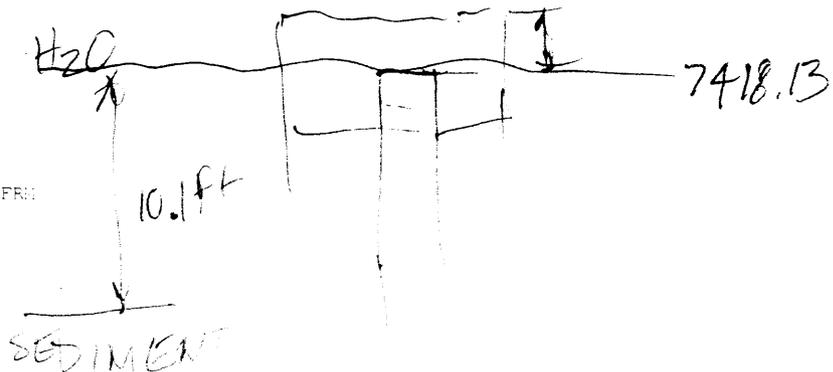
None observed

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

None observed

8. Other Comments

Weir level



2/27/92 MLD 11:45am  
78°  
CLEAR  
WINDY

CANYON FUEL COMPANY - SUFCO MINE

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

Inspector Wesley K Sorenson Date 7/30/04

1. Dam Structural Weakness

A. Cracks or scarps on crest  Yes  No  
None observed

E. 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

Rills & Gullies forming in slope above pond  
Minor erosion on dam face junction w/ west slope

3. Surface Movements of Surrounding Slopes  Yes  No

None observed

4. Visible Sumps or Sinkholes in Slurry Surface  Yes  No

Water @ discharge level

5. Clogging

A. Spillway channels and pipes  Yes  No

Clear - Back of spillway needs to be cleaned - Raised  
water flowing from pond through primary about  
1 ft  
now

**ANNUAL WASTE ROCK SEDIMENTATION POND  
CERTIFICATION -- 2004**

Wesley K. Sorensen, P.E. made an inspection of Canyon Fuel Company's SUFCO Mine Waste Rock Sediment Pond and associated Decant Impoundment on July 30, 2004.

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

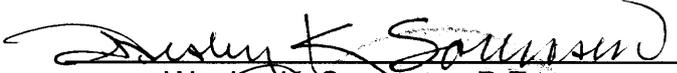
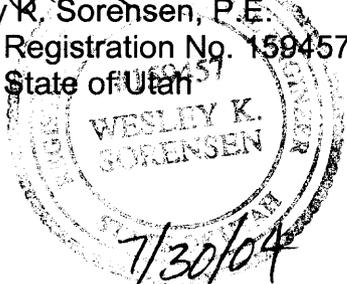
The spillways and decant devices are in good condition and are functional. The east side concrete lined diversion ditch needs to be cleaned in a small area about in the center of cell #2.

The sediment level at the northeast end of the pond about was at an elevation of 7884.2 ft. The sediment level in the middle of the pond about 25 ft south of the north bank was at an elevation of 7884.0 ft. The 60% sediment level for the pond is at 7885.15 ft. There is an additional 1.15 ft of depth in the pond before the clean out level is reached. An additional 5.5 ft of depth is available in the pond before it would discharge through the primary spillway.

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 conducted on July 30, 2004.

  
Wesley K. Sorensen, P.E.  
Registration No. 159457  
State of Utah  
  
7/30/04

WKS:kb

Attachment



2/27/92 MLE

clear  
windy

Wasterock  
Minesite Sediment Pond ~~Quarterly~~ Annual Inspection Report

CANYON FUEL COMPANY - SUFCO MINE

Inspector Wesley K Sevinsen Date 7/30/04 11:00am

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 observed

3. Surface Movements of Surrounding Slopes  Yes  No

None observed

4. Visible Sumps or Sinkholes in Slurry Surface  Yes  No

Small amount of water in SW corner of pond

5. Clogging

A. Spillway channels and pipes  Yes  No

clear - never used

E. Decant System \_\_\_ Yes \_\_\_  No  
Lockat

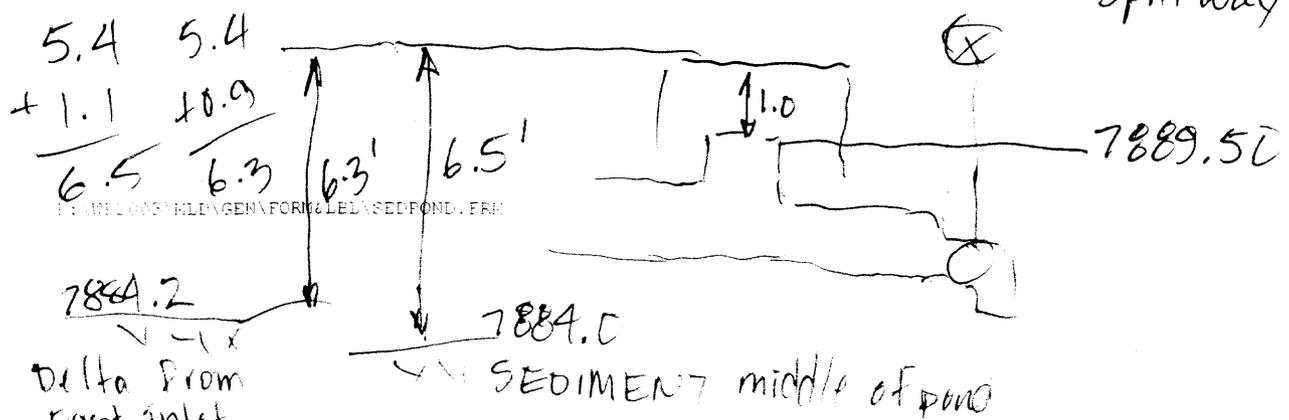
C. Diversion ditches \_\_\_ Yes \_\_\_  No  
East side cement lined ditch needs to be  
cleaned out near middle of cell #3

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. Weir level~~ N/A \_\_\_ Yes \_\_\_ No

9. Other Comments  
Pond looks good no evidence of discharge.  
Decant pond okay No erosion, No structural  
weakness, spillway clear - \*spray rabbit brush in  
spill way



Delta from East inlet

**ANNUAL WASTE ROCK DISPOSAL SITE  
CERTIFICATION -- 2004**

Wesley K. Sorensen, P.E. on July 30, 2004, made an inspection of Canyon Fuel Company's SUFCO Mine Waste Rock Disposal Site.

The pad of the fourth cell has active dimensions of about 250 ft x 110 ft. Numerous end-dumped piles of development waste were on the pad at the time of the inspection. This 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 (26.5°) on the south slope. The west slope needs to be pulled in and the slope graded to the 1v:2h specification. Several measurements of the recent compaction activities on the west slope exceed the design slope angle. 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.

Significant erosion was observed on the southwest corner of the active pad where run off from a recent storm had breached the berm and down cut a gully 2 to 3 ft deep and up to 4 ft wide down the south slope. Run off from the adjacent county road traversed the haul road into the site and onto the pad when the culvert at the site entrance plugged during the storm. This breach needs to be repaired and the culvert cleaned or replaced.

A copy of the field notes is attached.

Vegetation is growing abundantly on cells 1 2, and 3 and consists of grass, brush and forbes.

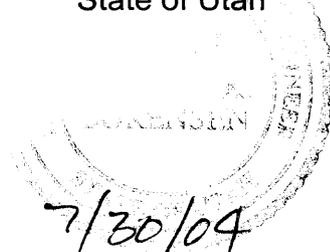
I certify that the above description accurately represents the conditions observed at the Waste Rock Disposal Site during my inspection conducted July 30, 2004.

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

WKS:kb

Attachment

P:\GOVT2004\DOGM-CORR\ANNUAL04.cert.doc





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

CLEAR WINDY

Inspector Wesley K Sorensen Title PE

Date 7/30/04 10:05 am Permit # ACT/041/002

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

2. Lift Thickness (inches) 18/24"

3. Compaction YES - Dozer/Haul trucks  Yes  No

4. Burning (specify extent and location) Numerous loads to compact  Yes  No

None observed

5. Angle of Slope (degrees) S 19-25° W 19-35° needs to be cut back to 26°

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

SW corner of active pad - storm runoff broke through berm and down cut south face 2' to 3' deep up to 4-ft wide

9. Water Impounding Against Toe  Yes  No

None observed

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

Wesley K Sorensen

Wesley K. Sorensen, P.E.

Registration No. 159457

State of Utah

