

September 22, 2016

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

RECEIVED  
SEP 27 2016  
DIV. OF OIL, GAS & MINING

Dear Program Supervisor:

Enclosed are annual certification reports for Canyon Fuel Company's SUFCO Mine: Minesite Primary Sedimentation Pond, Minesite Sedimentation Overflow Pond, Waste Rock Disposal Site and the associated Waste Rock North and South 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



Jacob D Smith, R.E.  
Technical Services Manager

JDS:jn

cc: DOGM Sediment Pond Inspection File  
Amanda Richard

**ANNUAL MINE SITE PRIMARY SEDIMENTATION POND  
CERTIFICATION -- 2016**

Jacob D. Smith, P.E. on September 20, 2016, conducted an inspection of Canyon Fuel Company's SUFCO Mine Site Primary Sediment Pond.

There were no signs of structural weakness in the area of the sediment pond.

The fill slope above the pond was eroded with some minor gullies in random locations. There were no signs of instability of the fill slope.

The decant structure appeared to be functional and the decant valve was locked.

The standpipe spillway in the pond is at an elevation of 7,418.15 feet. The water elevation is at 7,418.15 feet. Approximately an additional 0.29 acre-ft. of storage volume was available in the pond above the current standpipe spillway level. The sediment level in the pond just north of the decant structure was at 7,406.55 feet. This elevation is approximately 1.55 feet 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 September 20, 2016.



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Jacob D. Smith, P.E.  
Registration No. 9073281  
State of Utah

JDS:jn

Attachment

## CANYON FUEL COMPANY - SUFCO MINE

## Mine Site Primary Sediment Pond Annual Inspection Report

Inspector Jacob Smith Date 9/20/2016

## 1. Dam Structural Weakness

A. Cracks or scarps on crest  Yes  NoNone observedB. Cracks or scarps on slope  Yes  NoNone observedC. Sloughing or bulging on slope  Yes  NoNone observed2. Major Erosion Problems  Yes  NoNone observed3. Surface Movements of Surrounding Slopes  Yes  NoNone observed4. Visible Sumps or Sinkholes in Slurry Surface  Yes  NoNone observed

## 5. Clogging

A. Spillway channels and pipes  Yes  NoNo obstructions observedB. Decant System  Yes  NoValve locked

C. Diversion ditches  Yes  No

No obstructions observed

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

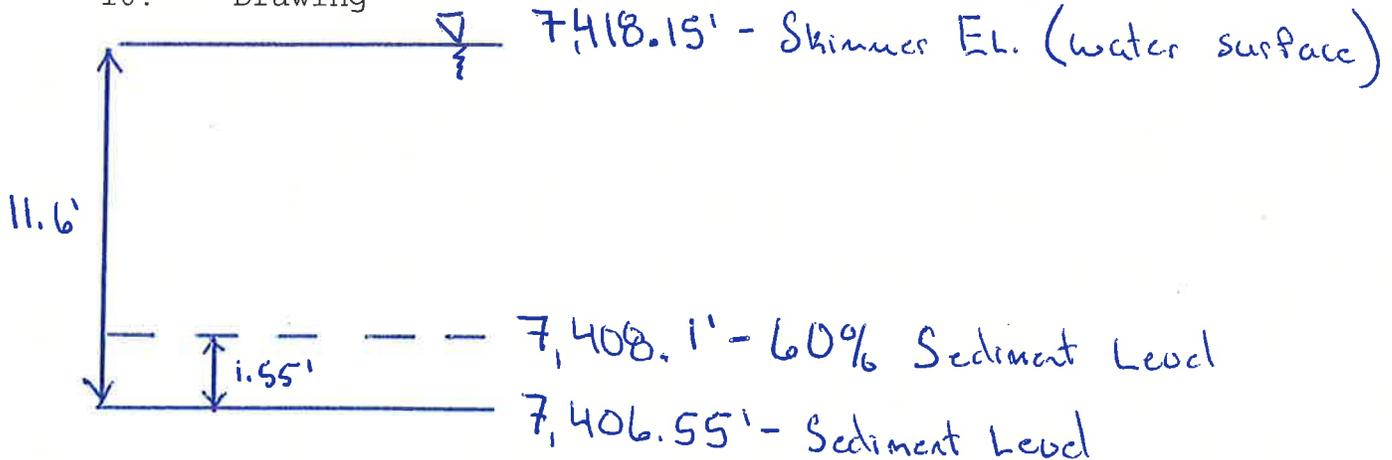
8. Weir level

Yes  No

9. Other Comments

The pond was cleaned earlier this year. Everything appears to be in normal operating condition.

10. Drawing



**ANNUAL MINESITE SEDIMENTATION OVERFLOW POND  
CERTIFICATION -- 2016**

Jacob D. Smith, P.E. on September 20, 2016 conducted an inspection of Canyon Fuel Company's SUFCO Mine Site Sediment Overflow Pond.

There were no signs of structural weakness in the area of the sediment pond.

The fill slope above the pond was eroded with some minor gullies in random locations. There were no signs of instability of the fill slope.

The decant structure appeared to be functional and the decant valve was locked.

The water in the pond was at an elevation of 7,252.5 feet, which is at the standpipe spillway elevation. The sediment level in the pond just north of the decant structure was at 7,242.2 feet. This elevation is 1.51 feet 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 September 20, 2016.



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Jacob D. Smith, P.E.  
Registration No. 9073281  
State of Utah

JDS:jn

Attachment

## CANYON FUEL COMPANY - SUFCO MINE

## Mine Site Sediment Overflow Pond Annual Inspection Report

Inspector Jacob Smith Date 9/20/2016

## 1. Dam Structural Weakness

A. Cracks or scarps on crest  Yes  NoNone observedB. Cracks or scarps on slope  Yes  NoNone observedC. Sloughing or bulging on slope  Yes  NoNone observed2. Major Erosion Problems  Yes  NoNone observed3. Surface Movements of Surrounding Slopes  Yes  NoNone observed4. Visible Sumps or Sinkholes in Slurry Surface  Yes  NoNone observed

## 5. Clogging

A. Spillway channels and pipes  Yes  NoNo obstructions were observedB. Decant System  Yes  NoValve locked

C. Diversion ditches  Yes  No

No obstructions were observed

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

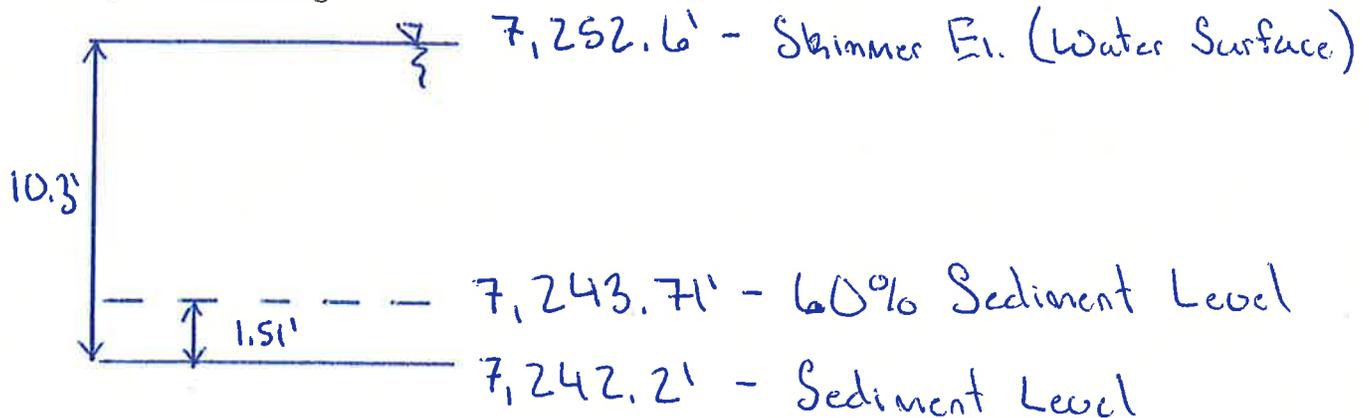
8. Weir level

Yes  No

9. Other Comments

Everything appears to be in normal operating condition.

10. Drawing



**ANNUAL WASTE ROCK NORTH SEDIMENTATION POND  
CERTIFICATION -- 2016**

Jacob D. Smith, P.E. made an inspection of Canyon Fuel Company's SUFCO Mine Waste Rock Sediment Pond and associated Decant Impoundment on September 20, 2016.

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 primary spillway elevation is 7,889.5 feet. The 60% sediment level for the pond is at 7885.15 feet. The pond is currently dry with a bottom elevation of 7,882.8 feet. Therefore, the pond has approximately 2.35 feet of sediment storage available before cleaning will be required.

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 September 20, 2016.



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Jacob D. Smith, P.E.  
Registration No. 9073281  
State of Utah

JDS:jn

Attachment

## CANYON FUEL COMPANY - SUFCO MINE

## Waste Rock North Sediment Pond Annual Inspection Report

Inspector Jacob Smith Date 9/20/2016

## 1. Dam Structural Weakness

A. Cracks or scarps on crest  Yes  NoNone observedB. Cracks or scarps on slope  Yes  NoNone observedC. Sloughing or bulging on slope  Yes  NoNone observed2. Major Erosion Problems  Yes  NoNone observed3. Surface Movements of Surrounding Slopes  Yes  NoNone observed4. Visible Sumps or Sinkholes in Slurry Surface  Yes  NoNone observed

## 5. Clogging

A. Spillway channels and pipes  Yes  NoNo obstructions observedB. Decant System  Yes  NoNo obstructions observed, valve locked

C. Diversion ditches  Yes  No

No obstructions observed

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

Yes  No

None observed

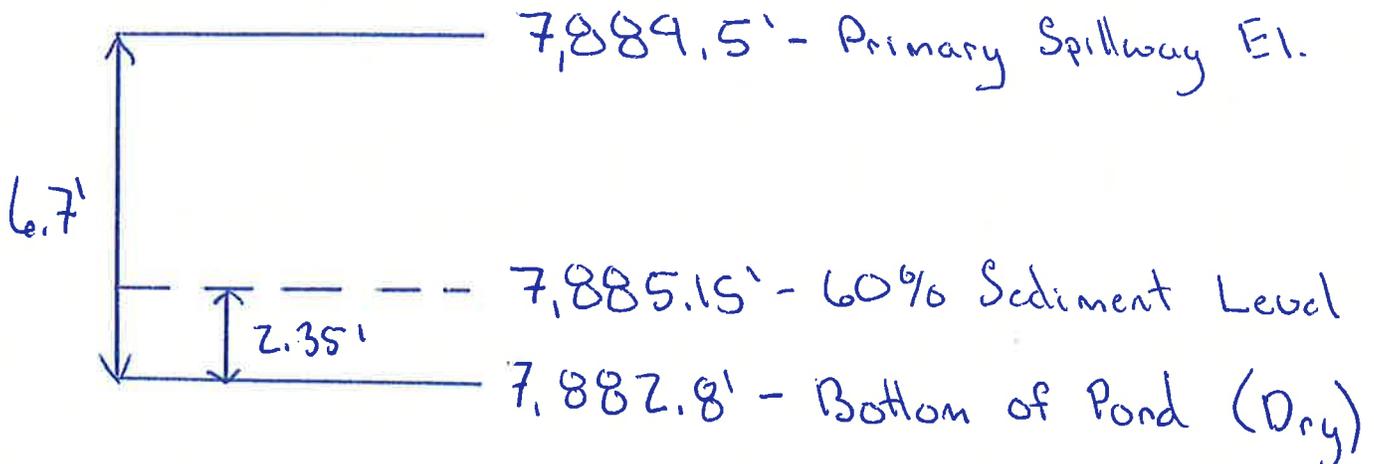
7. Any appearance of instability, structural weakness, or other hazardous conditions  Yes  No

None observed

8. Other Comments

Everything appears to be in normal operating condition.

10. Drawing



**ANNUAL WASTE ROCK SOUTH SEDIMENTATION POND  
CERTIFICATION -- 2016**

Jacob D. Smith, P.E. made an inspection of Canyon Fuel Company's SUFCO Mine Waste Rock Sediment Pond and associated Decant Impoundment on September 20, 2016.

This pond was constructed during the fall of 2015 and spring of 2016.

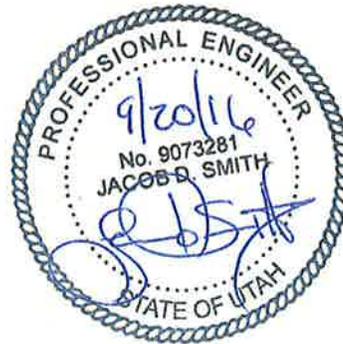
No signs of structural weakness of the sediment pond dam or decant impoundment dam were observed. The spillways and decant devices are in good condition and are functional.

The primary spillway elevation is 7,841.0 feet. The 60% sediment level for the pond is at 7,836.45 feet. The pond is currently dry with a bottom elevation of 7,826.9 feet. Therefore, the pond has approximately 9.55 feet of sediment storage available before cleaning will be required.

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 September 20, 2016.



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Jacob D. Smith, P.E.  
Registration No. 9073281  
State of Utah

JDS:jn

Attachment

CANYON FUEL COMPANY - SUFCO MINE

Waste Rock South Sediment Pond Annual Inspection Report

Inspector Jacob Smith Date 9/20/2016

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

None observed

5. Clogging

A. Spillway channels and pipes  Yes  No

No obstructions observed

B. Decant System  Yes  No

No obstructions observed

C. Diversion ditches  Yes  No

No obstructions observed

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

Yes  No

None observed

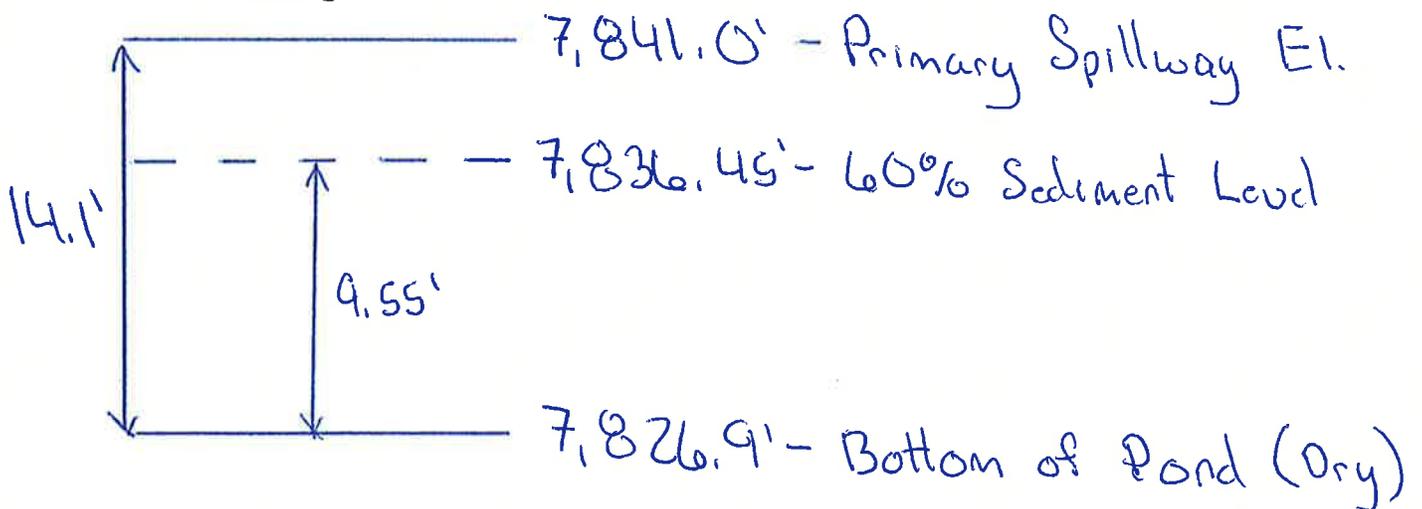
7. Any appearance of instability, structural weakness, or other hazardous conditions  Yes  No

None observed

8. Other Comments

Sediment pond was constructed this year. Everything appears to be in normal operating condition.

10. Drawing



**ANNUAL WASTE ROCK DISPOSAL SITE  
CERTIFICATION -- 2016**

Jacob D. Smith, P.E. on September 20, 2016 made an inspection of Canyon Fuel Company's SUFCO Mine Waste Rock Disposal Site.

Placement of the 5<sup>th</sup> cell completed in 2015. During the fall of 2015 and spring of 2016, expansion of the Waste Rock site occurred. Currently waste rock material is being placed on the Phase 1 and 2 cells of the new expansion. The current pad measures approximately 500 feet long by 225 feet wide. Material is being placed using belly and end-up haul trucks. A Caterpillar D6 dozer is being used to spread the material into 1-foot-thick lifts. Compaction of each lift is being performed using a Caterpillar D6 dozer, haul trucks and a double-drum vibratory compactor. Final and intermediate construction slopes were at or less than the designed 1v:2h (26.5°) on the south and west slope. 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 at the time of inspection.

A copy of the field notes is attached.

Cells 1 – 5 have been reclaimed and vegetation is growing. The Vegetation 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 September 28, 2016.



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Jacob D. Smith, P.E.  
Registration No. 9073281  
State of Utah

JDS:jn

Attachment

