

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			
Permit Number	C 007/005	Report Date	February 17, 2016
Mine Name	Skyline Mine		
Company Name	Canyon Fuel Company		
Impoundment Identification	Impoundment Name	Mine Site Sediment Pond	
	Impoundment Number	001	
	UPDES Permit Number	UT0023540	
	MSHA ID Number	NA	
IMPOUNDMENT INSPECTION			
Inspection Date	December 17, 2015		
Inspected By	Gregg Galecki , Mason Bishop		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Quarterly		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>No signs of instability were observed. No hazardous conditions were observed during the inspection of the pond. The pond was not discharging during the time of the inspection. The pond is incised, with all the banks appearing stable, with vegetation typically along a many of the banks. Particular attention was paid to the pond banks looking for signs of instability or structural weakness. The pond was snow-covered during the inspection.</p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Remaining Sediment Storage Capacity: 84,173 ft³ 60% Elevation: 8571.75feet ASL 100% Elevation: 8573.75 feet ASL Based on a survey of the pond using a total station after cleaning, approximately 84,173 cu-ft of sediment storage capacity remain in the pond. Original sediment-loading calculations estimated a 3-year sediment load from the site at 74,490 cu-ft. The elevation of the bottom of the pond is 8566.2 with a 100% sediment capacity elevation of 8573.75. The pond was surveyed in 3rd quarter 2015.</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principal and Emergency Spillway Elevations: 8579.6 feet ASL (The outlet structure for Pond 001 serves as both the Principal and Emergency Spillways) Storage volumes listed below are based on the 3rd quarter 2015 survey. Total volume of pond at Spillway: 269,553 ft³ Required runoff storage: 163,010 ft³ 100% Sediment storage: 106,662 ft³ 60% Sediment storage: 63,997 ft³</p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	Yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	Yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	Yes	

COMMENTS AND OTHER INFORMATION

The pond was cleaned during the 3rd quarter of 2014.

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

[PE Cert. Stamp]

By:
Mason D. Bishop, Professional Engineer

Signature: _____ **Date:** February 17, 2016

P.E. Number & State:

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			
Permit Number	C 007/005	Report Date	February 17, 2016
Mine Name	Skyline Mines		
Company Name	Canyon Fuel Company		
Impoundment Identification	Impoundment Name	Rail Loadout Sediment Pond	
	Impoundment Number	002	
	UPDES Permit Number	UT0023540	
	MSHA ID Number	NA	
IMPOUNDMENT INSPECTION			
Inspection Date	December 17, 2015		
Inspected By	Gregg Galecki / Mason Bishop		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Quarterly		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>No instability of the embankment or hazardous conditions was noted during the inspection.</p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Remaining Sediment Storage Capacity: 5,932 ft³ 60% Elevation: 7915.21 feet ASL (above sea level) 100% Elevation: 7916.0 ASL</p> <p>The sediment level in the pond was measured using a Total Station survey of the entire pond during the 3rd Quarter 2015. After the 2014 survey, approximately 13,333 cu-ft of sediment storage remained in the pond. The original sediment-loading calculations estimate a 3-year sediment load from the site at 9,148 cu-ft. In the 2015 survey, the bottom of the pond was measured at 7914.62, with a 100% sediment capacity elevation of 7916.0.</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle Spillway Elevation: 7919.7 feet ASL Emergency Spillway Elevation: 7922 feet ASL Total volume of pond at Spillway (based on 2014 survey): 52,537 ft³ Required runoff storage: 39,204 ft³ 100% Sediment Storage: 12,450 ft³ 60% Sediment Storage: 7,470 ft³</p>		

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

YES

NO

1. Is impoundment designed and constructed in accordance with the approved plan?

Yes

2. Is impoundment free of instability, structural weakness, or any other hazardous condition?

Yes

3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

Yes

COMMENTS AND OTHER INFORMATION

The pond sediment level was surveyed using a Total Station in 3rd quarter 2015. The pond is scheduled for cleaning in 2016.

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

[PE Cert. Stamp]

By:
Mason D. Bishop

Signature: _____ **Date:** February 17, 2016

P.E. Number & State:

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			
Permit Number	C 007/005	Report Date	February 17, 2016
Mine Name	Skyline Mines		
Company Name	Canyon Fuel Company		
Impoundment Identification	Impoundment Name	Waste Rock Site Sediment Pond	
	Impoundment Number	003	
	UPDES Permit Number	UT0023540	
	MSHA ID Number	NA	
IMPOUNDMENT INSPECTION			
Inspection Date	December 17, 2016		
Inspected By	Gregg Galecki / Mason Bishop		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Quarterly		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>No instability, structural weakness or other hazardous condition was noted at the site during the quarterly pond site inspection. The banks of the pond are normally well-vegetated – both on the inside and outside of the bank. The area was snow-covered during the inspection.</p>			
<p>Required for an impoundment which functions as a SEDIMENTATION POND.</p>	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Sediment Storage Capacity: 10,330 ft³ (calculated 1-yr sediment storage volume) 60% Elevation: 7857.2 feet ASL (above sea level) 100% Elevation: 7858.1 ASL Current Sediment Level Elevation: The pond was cleaned in 3rd quarter 2014. A bedrock shelf exists in the bottom of the pond, enabling portions of the pond to be deeper in areas where the shelf does not exist. Based on a 3rd Quarter 2015 survey, the pond has a remaining sediment capacity of approximately 4,532 cu-ft. Based on a calculated sediment storage capacity of 10,330 cu-ft. the sediment in the pond is at approximately 56% of capacity.</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principal and Emergency Spillways Elevation: 7864.0 feet ASL (The outlet of Pond 003 serves as both the principal and emergency spillway). A manual decant pipe in the pond marks the sediment cleanout elevation of 7858.1 feet. Total volume of pond at Spillway: 61,770 ft³ Required runoff storage: 35,036 ft³ 100% Sediment storage: 10,330 ft³ 60% Sediment storage: 6,198 ft³</p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			
Permit Number	C 007/005	Report Date	February 17, 2016
Mine Name	Skyline Mines		
Company Name	Canyon Fuel Company		
Impoundment Identification	Impoundment Name	Winter Quarters Ventilation Facility Sediment Pond	
	Impoundment Number	004	
	UPDES Permit Number	UT0023540	
	MSHA ID Number	NA	
IMPOUNDMENT INSPECTION			
Inspection Date	December 28, 2015		
Inspected By	Gregg Galecki		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Quarterly		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>No instability, structural weakness or other hazardous condition was noted at the site during the quarterly pond site inspection.</p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Sediment Storage Capacity: 740 ft³ 60% Elevation: 8072.15 feet ASL (above sea level) per as-built survey 100% Elevation: 8072.6 ASL per as-built survey Current Sediment Level Elevation: Only minimal delta of sediment was apparently forming at the inlet (covered in snow). The pond was surveyed in 3rdquarter 2015.</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principal Spillways Elevation: 8076.32 feet ASL (per C. Ware survey) Emergency Spillway Elevation: 8076.73 feet ASL (per C. Ware survey) Total Volume of pond at Spillway: 4914 cu-ft (per C. Ware survey) Required runoff storage: 4,182 cu-ft 100% Sediment Storage: 740 cu-ft 60% Sediment Storage: 444 cu-ft</p>		

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	Yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	Yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	Yes	

COMMENTS AND OTHER INFORMATION

The pond has not discharge in 2015. The pond is scheduled for cleaning in 2016.

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

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By:

Mason D. Bishop, Professional Engineer

Signature: _____ Date: February 17, 2016

P.E. Number & State: