

From: "Miller, Vicky" <VMiller@archcoal.com>
To: "Spillman, David" <DSpillman@archcoal.com>, "Daron Haddock(daronhaddock@...
Date: 3/12/2012 11:09 AM
Subject: UDOGM Annual Report - Soldier Canyon Mine
Attachments: SoldierCanyon.pdf; Soldier Pond Inspections.pdf; Certified Pond Inspec.pdf

Gentlemen,

Attached please find the 2011 Annual Report form and impoundment inspections for the Soldier Canyon Mine. If you have any questions concerning the information provided I can be contacted at this e-mail address or at (435)636-2869.

Thank you,
Vicky Miller

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Annual Report

This Annual Report shows information the Division has for your mine. Submit the completed document and any additional information identified in the Appendices to the Division by **March 30, 2012**. During a complete inspection an inspector will check and verify the information.

GENERAL INFORMATION

Company Name	Canyon Fuel Company	Mine Name	Soldier Canyon Mine
Permit Number	C/007/0018	Permit expiration Date	February 3, 2017
Operator Name	Same	Phone Number	+1 (435) 637-6360
Mailing Address	P O Box 1029	Email	vmiller@archcoal.com
City	Wellington		
State	Utah	Zip Code	84542

DOGM File Location or Annual Report Location

Excess Spoil Piles	<input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required	
Refuse Piles	<input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required	
Impoundments	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required	Attached
Other:		

OPERATOR COMMENTS

REVIEWER COMMENTS Met Requirements Did Not meet Requirements

COMMITMENTS AND CONDITIONS

The Permittee is responsible for ensuring annual technical commitments in the Mining and Reclamation Plan and conditions accepted with the permit are completed throughout the year. The Division has identified these commitments below and has provided space for you to report what you have done during the past year for each commitment. If additional written response is required, it should be filed as an attachment to this report.

Title: TOPSOIL STOCKPILES

Objective: To ensure that an adequate stand of vegetation cover is maintained.

Frequency: Completion of annual interim reclamation measures as necessary.

Status: Ongoing

Reports: Annual Reports

Citation: MRP, Volume 1, Section 2.31.4, page 2-26, bullet 3

Operator Comments

Adequate vegetation cover has been maintained to protect from excessive erosion and instability. Per quarterly inspections in 2011 by DOGM reclamation specialist assigned to Soldier Canyon Mine.

Reviewer Comments Met Requirements Did Not Meet Requirements

REPORTING OF OTHER TECHNICAL DATA

Please list other technical data or information that was not included in the form above, but is required under the approved plan, which must be periodically submitted to the Division.

Please list attachments:

Reviewer Comments

MAPS

Copies of mine maps, current and up-to-date through at least December 31, 2011, are to be provided to the Division as an attachment to this report in accordance with the requirements of R645-301-525.240. The map copies shall be made in accordance with 30 CFR 75.1200 as required by MSHA. Mine maps are not considered confidential.

Map Name	Map Number	Included		Confidential	
		Yes	No	Yes	No
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reviewer Comments Met Requirements Did Not Meet Requirements

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	ACT/007/018	Report Date	02/21/12
Mine Name	Soldier Canyon Mine		
Company Name	Canyon Fuel Company, LLC		
Impoundment Identification	Impoundment Name	Surface Facility Sedimentation Pond	
	Impoundment Number	None	
	UPDES Permit Number	UT0023680	
	MSHA ID Number	Impoundment -None (Mine - 42-00077)	
IMPOUNDMENT INSPECTION			
Inspection Date	11/16/11		
Inspected By	David G. Spillman		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Routine Quarterly Inspection & Annual Certification		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p><i>There were no signs of instability, structural weakness or other hazardous conditions observed at the sedimentation pond.</i></p> <p><i>Sloughage and erosion of the Soldier Creek channel continues to occur adjacent to the incised pond. This has been the case since the pond was constructed and no significant change to this condition was observed.</i></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><i>Sediment Storage Capacity (as designed) - 100% = 1.47 acre-feet @ an elevation of 6,649.5 feet</i></p> <p><i>- 60% = 0.88 acre-feet @ an elevation of 6,647.5 feet</i></p> <p><i>The existing sediment level was observed to be well below the established clean-out elevation.</i></p>		
	<p>3. Principle and emergency spillway elevations.</p> <p><i>Principal Spillway Elevation - 6,654.5 feet</i></p> <p><i>Emergency Spillway Elevation - 6,654.5 feet</i></p>		
<p>4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on out slopes of embankments, etc.</p> <p><i>At the time of the inspection there was no water impounded.</i></p> <p><i>There has been no discharge from the pond during 2011.</i></p> <p><i>It's recommended that some vegetation control on the embankment would be appropriate in 2012.</i></p>			

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect 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 and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____ Date: _____

CERTIFIED REPORT

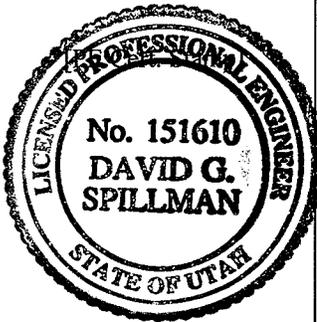
IMPOUNDMENT EVALUATION (If NO, explain under Comments)

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

COMMENTS AND OTHER INFORMATION

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.



By: David G. Spillman, Technical Services Manager
(Full Name and Title)

Signature: David G. Spillman Date: 02/21/12

P.E. Number & State: No. 151610, State of Utah

Soldier Cyn. Sediment Pond	Date	10/3/2011	Time	1101	Inspector(s) Signature	Quarterly Inspection Form
	Action Required		Person Notified		Date Corrected	Comments/Remarks

Permit #	UT0023680	Inspector(s) Signature	AMANDA RICHARD BY Andy A. Mellor
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Stability of Pond	Action Required			Person Notified	Date Corrected	Comments/Remarks
	Yes	No	N/A			
Pond stability/weakness	X					
Erosion/Stability of banks	X					Interior has vegetation growing, is not considered detrimental to integrity of embankments.
Vegetation problem around pond	X					

Hazardous Condition	Action Required			Person Notified	Date Corrected	Comments/Remarks
	Yes	No	N/A			
Any visible contaminants	X					
Hazardous condition observed	X					

Inlet Conditions	Action Required			Person Notified	Date Corrected	Comments/Remarks
	Yes	No	N/A			
Inlet functioning						X
Culvert(s)/ditches						X

Principle & Emergency Spillways	Action Required			Person Notified	Date Corrected	Comments/Remarks
	Yes	No	N/A			
Water Discharging (rate)			X			
Pond water level			X			DRY
Spillway is clear of debris						X
Oil skimmer						X
Emergency spillway						X
Primary spillway						X

Other Useful Information	Value	Comments/Remarks	Sediment Storage Capacity/ Elevation	Value	Comments/Remarks
Last cleaning date for pond	1998		100% sediment storage capacity (acre/ft)	1.47	Elev. 6649.54 feet
Primary Spillway elevation (ft)	6654.5		60% sediment storage capacity (acre/ft)	0.88	Elev. 6647.5 feet
Emergency Spillway elevation (ft)	6654.5		Current sediment Volume (est.)	23%	
			Remaining storage capacity (est.)	77%	

Other Observations: _____

Soldier Cyn. Sediment Pond		Date	Time	Inspector(s) Signature		Quarterly Inspection Form	
		8/16/2011	942	AMANDA RICHARD BX Kelly Miller			
Site: 002	Permit # UT0023680	Action Required		Person Notified	Date Corrected	Comments/Remarks	
		Yes	No	N/A	OK		
Stability of Pond							
Pond stability/weakness		X					
Erosion/Stability of banks		X				Interior has vegetation growing, is not considered detrimental to integrity of embankments.	
Vegetation problem around pond		X					
Hazardous Condition							
Any visible contaminants		X					
Hazardous condition observed		X					
Inlet Conditions							
Inlet functioning					X		
Culvert(s)/ditches					X		
Principle & Emergency Spillways							
Water Discharging (rate)			X				
Pond water level			X			Damp	
Spillway is clear of debris				X			
Oil skimmer				X			
Emergency spillway				X			
Primary spillway				X			
Other Useful Information							
Last cleaning date for pond	Value	1998	Comments/Remarks	Sediment Storage Capacity/ Elevation	Value	1.47	Comments/Remarks
Primary Spillway elevation (ft)	6654.5			100% sediment storage capacity (acre/ft)	1.47		Elev. 6649.54 feet
Emergency Spillway elevation (ft)	6654.5			60% sediment storage capacity (acre/ft)	0.88		Elev. 6647.5 feet
				Current sediment Volume (est.)	23%		
				Remaining storage capacity (est.)	77%		

Other Observations: Bottom of pond was damp, recent storms responsible. Livestock and wildlife evidence in bottom.

Soldier Cyn. Sediment Pond		Date	Time	Inspector(s) Signature		Quarterly Inspection Form	
		4/19/11	1325	<i>Deby Miller</i>			
Site: 002				Person Notified	Date Corrected	Comments/Remarks	
Permit # UT0023680							
Stability of Pond							
Pond stability/weakness							
Erosion/Stability of banks							
Vegetation problem around pond							
Hazardous Condition							
Any visible contaminants							
Hazardous condition observed							
Inlet Conditions							
Inlet functioning						YES	
Culvert(s)/ditches						DITCHES AND CULVERT TO POND OK	
Principle & Emergency Spillways							
Water Discharging (rate)						NO FLOW	
Pond water level						6 - 12 INCHES IN BOTTOM	
Spillway is clear of debris						OK	
Oil skimmer						APPEARS TO BE ABLE TO FUNCTION	
Emergency spillway						OK	
Primary spillway						OK	
Other Useful Information		Value	Comments/Remarks	Sediment Storage Capacity/ Elevation	Value	Comments/Remarks	
Last cleaning date for pond		1998		100% sediment storage capacity (acre/ft)	1.47	Elev. 6649.5.4 feet	
Primary Spillway elevation (ft)		6654.5		60% sediment storage capacity (acre/ft)	0.88	Elev. 6647.5 feet	
Emergency Spillway elevation (ft)		6654.5		Current sediment Volume (est.)	22%		
				Remaining storage capacity (est.)	78%		

Other Observations: POND INSPECTED ON 4/5 AND 4/19

Soldier Cyn. Sediment Pond		Date	Time	Inspector(s) Signature		Quarterly Inspection Form	
		2/9/2011	1325	V MILLER <i>VM</i>			
Site: 002		Action Required		Person Notified		Date Corrected	
Permit # UT0023680		Yes	No	N/A			
Stability of Pond							
Pond stability/weakness			X				
Erosion/Stability of banks			X				
Vegetation problem around pond			X				
Hazardous Condition							
Any visible contaminants			X				
Hazardous condition observed			X				
Inlet Conditions							
Inlet functioning						YES	
Culvert(s)/ditches						DITCHES AND CULVERT TO POND OK	
Principle & Emergency Spillways							
Water Discharging (rate)						NO FLOW	
Pond water level						ICE AND SNOW	
Spillway is clear of debris						OK	
Oil skimmer						APPEARS TO BE ABLE TO FUNCTION	
Emergency spillway						OK	
Primary spillway						OK	
Other Useful Information							
Last cleaning date for pond		Value	Comments/Remarks	Sediment Storage Capacity/ Elevation		Value	Comments/Remarks
		1998		100% sediment storage capacity (acre/ft)		1.47	Elev. 6649.5.4 feet
Primary Spillway elevation (ft)		6654.5		60% sediment storage capacity (acre/ft)		0.88	Elev. 6647.5 feet
Emergency Spillway elevation (ft)		6654.5		Current sediment Volume (est.)		22%	
				Remaining storage capacity (est.)		78%	
Other Observations: POND CHECKED BOTH JAN 25 AND FEB 9							