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Incoming
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From: Karl Houskeeper
To: April Abate; OGMCOAL
Date: 11/2/2009 8:45 AM
Subject: Fwd: Pond Inspections
Place: OGMCOAL
Attachments: Pond Inspections.pdf

>>> Mark Reynolds <mark.reynolds@hiawathacoal.com> 10/29/2009 3:12 PM >>>
Karl,

I found a folder on my laptop call SEDIMENTPONDS, and inside of it was inspections reports, the pond worksheet, and Plate 7-11 Sediment Pond D.

The save date on the files was 9-23-09. I think that was the date of your last inspections. I must have taken everything home to work on and forgot about it. I printed up the reports and signed them. They are attached. It looks like I had everything done except the as-built cross-sections on plate 7-11. I will finish them today and will email the as-built design in about 1 hour

Mark

Permit Number	ACT\015\025	Report Date	9/23/09
Mine Name	Bear Canyon Mine		
Company Name	C.W. Mining Company		
Impoundment Identification	Impoundment Name	Sediment Pond "C"	
	Impoundment Number	006A	
	UPDES Permit Number	UTG040036	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	9/21/09		
Inspected By	Mark Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Quarterly		

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

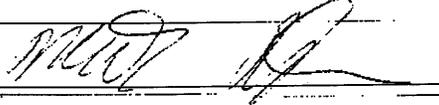
The pond's dam appeared sound with no signs of instability or hazardous conditions.

Required for an impoundment which functions as a SEDIMENTATION POND.	2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.
	Sediment storage capacity = 3,948 ft ³ 60% cleanout elevation = 7,030.3 100% sediment storage elevation = 7,031.4 Existing sediment elevation = 7,029.2 (Average)
	3. Principle and emergency spillway elevations. Principle spillway elevation = 7,032.3 Emergency spillway elevation = 7,035.3

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 seepage, embankment erosion/repairs, monitoring information, vegetation on outcrops of embankments, etc.

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.

The existing sediment volume is approximately 1,334 ft³. The existing storage capacity is 14,371 ft³ which is greater than the 7,861 ft³ required in the MRP.

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:	10-29-09

Permit Number	ACT\015\025	Report Date	9/23/09
Mine Name	Bear Canyon Mine		
Company Name	C.W. Mining Company		
Impoundment Identification	Impoundment Name	Sediment Pond "D"	
	Impoundment Number	006A	
	UPDES Permit Number	JTG040006	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	9/21/09		
Inspected By	Mark Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Quarterly		

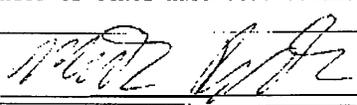
1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.
 The pond's dam appeared sound with no signs of instability or hazardous conditions.

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 = 1,341 ft³ 60% cleanout elevation = 7,637.6 100% sediment storage elevation = 7,638.5 Existing sediment elevation = 7,636.7</p> <p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 7,641.4 Emergency spillway elevation = 7,644</p>
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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 dewatering, embankment erosion/repairs, monitoring information, vegetation on out slopes of embankments, etc.

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.

The existing sediment volume is approximately 283 ft³. The existing run-off storage capacity is 6,321 ft³ which is greater than the 5,565 ft³ required in the MRP.

Qualification Statement	<p>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.</p> <p style="text-align: right;">Signature:  Date: 10-29-09</p>
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IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		002A	Page 1 of 1
Permit Number	ACT\015\025	Report Date	9/23/09
Mine Name	Bear Canyon Mine		
Company Name	C.W. Mining Company		
Impoundment Identification	Impoundment Name	Sediment Pond "A"	
	Impoundment Number	002A	
	UPDES Permit Number	UTG040006	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	9/21/09		
Inspected By	Mark Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Quarterly		
1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.			
The pond's dam shows no signs of structural instability or other hazardous conditions.			
Required for an impoundment which functions as a SEDIMENTATION POND.	2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.		
	Sediment storage capacity = 31,357 ft ³ 60% cleanout elevation = 7,086 100% sediment storage elevation = 7,087.9 Existing sediment elevation = 7,084.9		
	3. Principle and emergency spillway elevations.		
Principle spillway elevation = 7,088 Emergency spillway elevation = 7,094.5			
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.			
Embankment slopes appear stable and are well vegetated. The pond contains .5" of water. The existing sediment is on the south end and at the inlet.			
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.			
The existing sediment volume is 14,487 ft ³ . The existing runoff storage capacity is 97,843 ft ³ which is greater than the 64,951 ft ³ required in the MRP.			
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: 10-29-09	

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		003A	Page 1 of 1
Permit Number	ACT\015\025	Report Date	9/23/09
Mine Name	Bear Canyon Mine		
Company Name	C.W. Mining Company		
Impoundment Identification	Impoundment Name	Sediment Pond "B"	
	Impoundment Number	003A	
	UPDES Permit Number	UTG040006	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	9/21/09		
Inspected By	Mark Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Quarterly		

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

The pond's dam appeared sound with no signs of weakness or hazardous conditions.

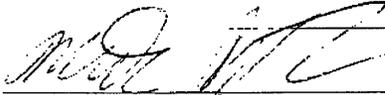
Required for an impoundment which functions as a SEDIMENTATION POND.	2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.
	Sediment storage capacity = 3,670 ft ³ 60% cleanout elevation = 7,062.9 100% sediment storage elevation = 7,063.4 Existing sediment elevation = 7,062.4
	3. Principle and emergency spillway elevations.
	Principle spillway elevation = 7,064.9 Emergency spillway elevation = 7,066.9

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 dewatering, embankment erosion/repairs, monitoring information, vegetation on out-slopes of embankments, etc.

Embankment slopes appear stable and are well vegetated. Pond needs to be cleaned

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.

The pond contains 2,610 ft³ of sediment. The existing run-off storage capacity is 15,390 ft³ which is greater than the 9,095 ft³ required in the MRP.

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: 10-29-09