

From: Karl Houskeeper
To: Daron Haddock; OGMCOAL; Suzanne Steab
Date: 6/2/2011 7:28 AM
Subject: Fwd: RE: 1st Qtr. 2011 Pond Inspection
Attachments: 1st Qt 2011 Pond Inspections.pdf

>>> Kirk Nicholes <knicholes@altoncoal.com> 6/2/2011 7:25 AM >>>

Sorry, I'll try again.

From: Karl Houskeeper [<mailto:karlhouskeeper@utah.gov>]
Sent: Thursday, June 02, 2011 6:23 AM
To: Kirk Nicholes
Subject: Re: 1st Qtr. 2011 Pond Inspection

Kirk,

I got this e-mail, but there were no attachments.

Thanks,

Karl

>>> Kirk Nicholes <knicholes@altoncoal.com> 6/1/2011 4:48 PM >>>

Karl,

Here are the first Qt. pond inspection reports with the 60% and 100% sediment storage volume elevations added.

Thank You

Kirk Nicholes
Environmental Specialist
Alton Coal Development, LLC
463 N 100 W, Suite 1
Cedar City, Ut 84721
T 435-867-5331
M 435-691-1551

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date	2-9-2011
Mine Name	Coal Hollow Mine		
Company Name	Alton Coal Development, LLC		
Impoundment Identification	Impoundment Name	Pond 1	
	Impoundment Number	Pond 1	
	MSHA Mine ID Number	42-02519	
IMPOUNDMENT INSPECTION			
Inspection Date	2-9-2011		
Inspected By	Kerry Benson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Annual		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>No instability of the embankment or hazardous condition 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>Sediment Storage Capacity:</p> <p>60 % Elevation: 1.25'</p> <p>100% Elevation: 2.02'</p> <p>No existing sediment.</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle and Emergency Spillway Elevation: 6920 feet (The outlet structure for Pond 1 serves as both the Principle and Emergency Spillways)</p> <p>Total volume of pond at Spillway: 3.0995 Acre-Feet (Elevation 6920.00')</p> <p>Required runoff storage: 2.57 Acre-Feet</p> <p>100 % Sediment Storage: 0.53 Acre-Feet (Elevation 6922.02')</p> <p>60 % Sediment Storage: 0.32 Acre-Feet (Elevation 6921.25')</p>		

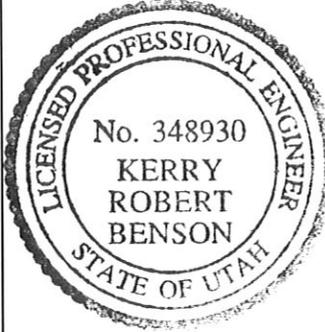
4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions or other related activities associated with the pond decanting, embankment erosion/repairs, monitoring information, vegetation on outlooes of embankments, etc.

Pond is newly constructed, clean and dry.

5. **Field Evaluation.** Describe any changes in the geometry of the 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.

None.

Certification 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, or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: KERRY ROBERT BENSON, PE

(Full Name and Title)

Signature: [Handwritten Signature] Date: 2-9-2011

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date	2-9-2011
Mine Name	Coal Hollow Mine		
Company Name	Alton Coal Development, LLC		
Impoundment Identification	Impoundment Name	Pond 1B	
	Impoundment Number	Pond 1B	
	MSHA Mine ID Number	42-02519	
IMPOUNDMENT INSPECTION			
Inspection Date	2-9-2011		
Inspected By	Kerry Benson		
Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)</small>	Annual		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>No instability of the embankment or hazardous condition 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>Sediment Storage Capacity: 60 % Elevation: 6.00' 100% Elevation: 8.08'</p> <p>No existing sediment.</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle and Emergency Spillway Elevation: 6906.45 feet (The outlet structure for Pond 1B serves as both the Principle and Emergency Spillways)</p> <p>Total volume of pond at Spillway: 0.894 Acre-Feet (Elevation 6906.45')</p> <p>Required runoff storage: 0.50 Acre-Feet</p> <p>100 % Sediment Storage: 0.394 Acre-Feet (Elevation 6895.72')</p> <p>60 % Sediment Storage: 0.236 Acre-Feet (Elevation 6894.07')</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 decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond is newly constructed, clean and dry.

5. **Field Evaluation.** Describe any changes in the geometry of the 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.

None.

Certification Statement



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By: KERRY ROBERT BENSON, PE
(Full Name and Title)

Signature: [Handwritten Signature] Date: 2-9-2011

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date	2-9-2011
Mine Name	Coal Hollow Mine		
Company Name	Alton Coal Development, LLC		
Impoundment Identification	Impoundment Name	Pond 2	
	Impoundment Number	Pond 2	
	MSHA Mine ID Number	42-02519	
IMPOUNDMENT INSPECTION			
Inspection Date	2-9-2011		
Inspected By	Kerry Benson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Annual		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>No instability of the embankment or hazardous condition 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>Sediment Storage Capacity: 60 % Elevation: 3.07' 100% Elevation: 4.72'</p> <p>Sediment level was not determined because of ice cover.</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle and Emergency Spillway Elevation: 6900.09 feet (The outlet structure for Pond 2 serves as both the Principle and Emergency Spillways) Total volume of pond at Spillway: 2.675 Acre-Feet (Elevation 6901.09') Required runoff storage: 1.70 Acre-Feet 100 % Sediment Storage: 0.975 Acre-Feet (Elevation 6895.72') 60 % Sediment Storage: 0.585 Acre-Feet (Elevation 6894.07')</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 decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond is newly constructed. Water level is at approximately 5 feet below top of berm (Elev. 6898).

5. **Field Evaluation.** Describe any changes in the geometry of the 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.

Storm water depth is approximately 7'. Estimated water storage 1.61 Acre-Feet. 1.065 Acre-Feet remaining storage capacity.

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By: KERRY ROBERT BENSON, PE
(Full Name and Title)

Signature: *Kerry B.* Date: 2-9-2011

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date	2-9-2011
Mine Name	Coal Hollow Mine		
Company Name	Alton Coal Development, LLC		
Impoundment Identification	Impoundment Name	Pond 3	
	Impoundment Number	Pond 3	
	MSHA Mine ID Number	42-02519	
IMPOUNDMENT INSPECTION			
Inspection Date	2-9-2011		
Inspected By	Kerry Benson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)		Annual	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>No instability of the embankment or hazardous condition 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>Sediment Storage Capacity: 60 % Elevation: 2.17' 100% Elevation: 2.82'</p> <p>No existing sediment.</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle and Emergency Spillway Elevation: 6811 feet (The outlet structure for Pond 1 serves as both the Principle and Emergency Spillways) Total volume of pond at Spillway: 7.98 Acre-Feet (Elevation 6811.00') Required runoff storage: 6.72 Acre-Feet 100 % Sediment Storage: 1.26 Acre-Feet (Elevation 6803.82') 60 % Sediment Storage: 0.756 Acre- Feet (Elevation 6801.17')</p>		

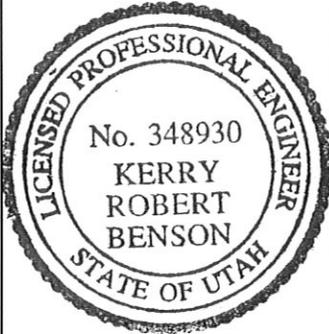
4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions or other related activities associated with the pond decanting, embankment erosion/repairs, monitoring information, vegetation on outlopes of embankments, etc.

Pond is newly constructed, clean and dry.

5. **Field Evaluation.** Describe any changes in the geometry of the 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.

None.

Certification Statement



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By: KERRY ROBERT BENSON, PE
(Full Name and Title)

Signature: *Kerry Benson* Date: 2-9-2011