

State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
 Telephone (801) 538-5340 facsimile (801) 359 3940 TTY (801) 538-7458
 www.ogm.utah.gov



Quarterly Inspection Form - Refuse Disposal Areas

(please provide to DOGM promptly after inspection is complete)

Permit Number :	<u>C/025/0005</u>	Inspection Date :	<u>11/14/2018</u>
Mine Name :	<u>Coal Hollow Project</u>	Quarter / Year :	<u>4th / 2018</u>
Mine Operator (Permittee) :	<u>Alton Coal Development</u>	Inspector Name :	<u>Dan W. Guy</u>
MSHA ID # :	<u>42-02519</u>	Inspector Signature :	
Facility Name / Location / Address :	<u>2060 South Alton Road, Alton, UT 84710</u>		

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes):
 Most of Main Pile has been removed. Remaining material will be removed during final borrow operation. Pile is regraded, subsoiled and seeded.

2. Lift Height / Thickness Avg 4.0' Maximum 4.0' # _____ Elevation of Active Benches : 6918 , _____ , _____

3. Vertical Angle of Outslope(s) / Location(s) where measured 3H:1V Avg. / No. Slope / So. Slope / _____

4. Total storage capacity: 8,600,000 cy Remaining storage capacity 8,211,000 cy Volume placed during year : 0

5. Describe foundation preparation (including removal of vegetation, stumps, topsoil, and all other organic material) :
 Topsoil and subsoil removed and stored on site.

6. Describe placement and compaction of fill materials (including an explanation of how compaction is confirmed) :
 Dumped by truck / Pushed by dozer / Compaction primarily from large trucks / Tested with nuclear density unit.

7. Is there any evidence of fires or burning on the structure ? (If YES, specify extent, location, and abatement/extinguishment of such fires) :
 None

8. Describe placement of under drains, protective filter systems, and final surface drainage systems (report any seepage, including location, color, flow) :
 None

9. Describe any appearances of instability, structural weakness, or other hazardous conditions :
 No instability noted. Most of pile has been removed.

10. Please provide any other information pertaining to the stability of the structure (attach any photos taken during the inspection)

Are there cracks or scarps in crest ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Is there any detectable sloughing or bulging ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Do slope erosion problems exist ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Cracks or scarps in slope ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Surface movements? (valley bottom, hillsides)	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Erosion of Toe ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Water impounded by structure ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Are diversion ditches stable?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Is drainage positive ?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Could failure of structure create an impoundment (provide description) ?	<u>No</u>	

Are design standards established within the mining and reclamation plan for the disposal facility being met ?
 Yes.

Proctor Determination : 88% minimum - 98% maximum compaction as determined by nuclear density tests on 5/13/13.

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds 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.



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Quarterly Inspection Form - Refuse Disposal Areas
 (please provide to DOGM promptly after inspection is complete)

Permit Number :	<u>C/025/0005</u>	Inspection Date :	<u>11/14/18</u>
Mine Name :	<u>Northwest Temporary Spoil Pile</u>	Quarter / Year :	<u>4th / 2018</u>
Mine Operator (Permittee) :	<u>Coal Hollow Project - Alton Coal</u>	Inspector Name :	<u>Dan W. Guy</u>
MSHA ID # :	<u>42-02519</u>	Inspector Signature :	
Facility Name / Location / Address :	<u>2060 South Alton Road, Alton, UT 84710</u>		

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes):
 Initial inspection for this temporary pile.

2. Lift Height / Thickness Avg 4.0' Maximum 4.0' # _____ Elevation of Active Benches : 6920 , _____ , _____
 3. Vertical Angle of Outslope(s) / Location(s) where measured N/A / Not Graded / _____ / _____
 4. Total storage capacity: 215,000 cy Remaining storage capacity 213,000 cy Volume placed during year : 2000 cy

5. Describe foundation preparation (including removal of vegetation, stumps, topsoil, and all other organic material) :
Vegetation removed. Topsoil and subsoil removed and stored on site.

6. Describe placement and compaction of fill materials (including an explanation of how compaction is confirmed) :
Dumped by truck. Will be graded and pushed by dozer. Compaction will be primarily from large trucks.

7. Is there any evidence of fires or burning on the structure ? (If YES, specify extent, location, and abatement/extinguishment of such fires) :
None

8. Describe placement of under drains, protective filter systems, and final surface drainage systems (report any seepage, including location, color, flow) :
None

9. Describe any appearances of instability, structural weakness, or other hazardous conditions :
No instability noted. Pile has just been started.

10. Please provide any other information pertaining to the stability of the structure (attach any photos taken during the inspection)

Are there cracks or scarps in crest ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Is there any detectable sloughing or bulging ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Do slope erosion problems exist ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Cracks or scarps in slope ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Surface movements? (valley bottom, hillsides)	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Erosion of Toe ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Water impounded by structure ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Are diversion ditches stable?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Is drainage positive ?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

Could failure of structure create an impoundment (provide description) ? No

Are design standards established within the mining and reclamation plan for the disposal facility being met ?
Yes. Pile just started per approved plan.

Proctor Determination : _____

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds 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.

(place P.E. certification below)

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	11/14/2018
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	14-Nov-18	
Inspected By	Kirk Nicholes / Dan Guy	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Quarterly Inspection.	
1. Describe any appearance of any instability, structural weakness, or any other hazardous condition. N/A - None Noted.		
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: 6912 (1.26') 100% Elevation: 6913 (2.03')</p> <p>The pond contained approximately 7.0' of water at the time of the inspection. The sediment marker has been reset, and field observation shows the sediment level to be well below the cleanout level. The pond bottom and sediment level is approximately at elevation 6911.0.</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) Total volume of pond at Spillway: 3.16 Acre-Feet (Elev. 6920.00') Required runoff storage: 2.57 Acre-Feet</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.

The water level is approximately at elevation 6902.5. There are 2 inlets to the pond - both have been previously rip-rapped and are operating properly. There is a delta of sediment accumulation below the northwest inlet. The outlet is also open and functional. There was no inflow and no discharge at the time of the inspection.

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.

The changes noted since the last inspection include a slight decrease in the water level, and a slight increase in the sediment level. The pond appears to be stable and operating properly. There was no discharge.

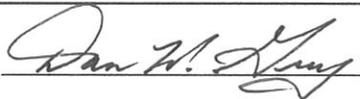
Certification Statement

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:

Dan W. Guy, P.E.

Signature:



Date:

11/14/18

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date	11/14/2018
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	14-Nov-18		
Inspected By	Kirk Nicholes / Dan Guy		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Quarterly Inspection.		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>N/A - No appearance of any instability, structural weakness or other hazardous condition was noted.</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: 6900.00 (6.00') 100% Elevation: 6902.08 (8.08')</p> <p>The pond contained approximately 8.0' of water at the time of the inspection. The sediment marker is in place. The sediment elevation is approximately 6894.7.</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 (Elev. 6906.45)</p> <p>Required runoff storage: 0.50 Acre-Feet</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 out slopes of embankments, etc.

The water level is approximately at elevation 6902.5. There are 2 inlets to the pond - both have been previously rip-rapped and are operating properly. There is a delta of sediment accumulation below the northwest inlet. The outlet is also open and functional. There was no inflow and no discharge at the time of the inspection.

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.

The changes noted since the last inspection include a slight decrease in the water level, and a slight increase in the sediment level. The pond appears to be stable and operating properly. There was no discharge.

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:

Dan W. Guy, P.E.

Signature: 

Date: 11/14/18

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	11/14/2018
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	14-Nov-18	
Inspected By	Kirk Nicholes / Dan Guy	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Quarterly Inspection.	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>N/A - No appearance of any instability, structural weakness or other hazardous condition was noted.</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: 6892.1 (3.10') 100% Elevation: 6893.5 (4.50')</p> <p>The pond contained approximately 7.0' of water at the time of the inspection. The sediment marker is in place, and field observation shows the sediment level to be well below the cleanout elevation. The approximate sediment elevation is 6889.4.</p>	
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle and Emergency Spillway Elevation: 6900 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 (Elev. 6901.09') Required runoff storage: 1.71 Acre-Feet</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.

The water level is approximately at elevation 6897. The single pond inlet is rip-rapped. There was no inflow and no discharge at the time of the inspection. The pond was partially frozen.

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.

The only noted changes to the pond noted since the last inspection are an increase in the water level and a slight increase in the sediment level. The pond appears to be stable and operating properly.

Certification Statement

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By:

Dan W. Guy, P.E.

Signature: *Dan W. Guy* Date: 11/14/18

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	11/14/2018
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	14-Nov-18	
Inspected By	Kirk Nicholes / Dan Guy	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Quarterly Inspection.	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>None Noted.</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: 60 % Elevation: 6805.0 (4.0') 100% Elevation: 6807.0 (6.0')</p> <p>The pond contained an average of approximately 4.0' of water at the time of the inspection. The sediment marker is in place, and field observation shows the average sediment level to be below the cleanout elevation. The approximate average sediment elevation is 6804.6.</p>	
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle and Emergency Spillway Elevation: 6811 feet (The outlet structure for Pond 3 serves as both the Principle and Emergency Spillways) Total volume of pond at Spillway: 12.60 Acre-Feet (Elev. 6811.00') Required runoff storage: 6.30 Acre-Feet Decant Elevation: 6808.0</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.

The water level is approximately at elevation 6808.5. The inlet, spillway and decant are all open and operational. There was no inflow and the pond was being decanted at the time of the inspection. The pond surface was mostly frozen.

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.

The only noted change since the last inspection was an increase in the water level. The pond and the dam appear to be stable and are operating properly.

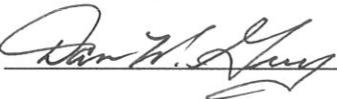
Certification Statement

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:

Dan W. Guy, P.E.

Signature:



Date:

11/14/18

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date	11/14/2018
Mine Name	Coal Hollow Mine		
Company Name	Alton Coal Development, LLC		
Impoundment Identification	Impoundment Name	Pond 4	
	Impoundment Number	Pond 4	
	MSHA Mine ID Number	42-02519	
IMPOUNDMENT INSPECTION			
Inspection Date	14-Nov-18		
Inspected By	Kirk Nicholes / Dan Guy		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Quarterly Inspection.		
<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: 6829.0 (7.0') 100% Elevation: 6830.0 (8.0')</p> <p>The pond contained approximately 1.0' of water in the upper cell and the lower cell was dry. The sediment marker is in place, and field observation shows the sediment level to be well below the cleanout elevation. The bottom of pond and approximate sediment elevation is 6827.2.</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle and Emergency Spillway Elevation: 6834 feet (The outlet structure for Pond 4 serves as both the Principle and Emergency Spillways)</p> <p>Total volume of pond at Spillway: 5.50 Acre-Feet (Elev. 6834.00')</p> <p>Required runoff storage: 3.80 Acre-Feet</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.

The average water elevation is approximately 6828. The open-channel spillway is in place and rip-rapped. There was no discharge. The small amount of water in the pond was frozen.

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.

The only change noted since the last inspection is a slight increase in the water level in the upper cell. The pond appears to be stable and operating properly. There was no inflow and no discharge at the time of the inspection.

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:

Dan W. Guy, P.E.

Signature: *Dan W. Guy* Date: 11/14/18

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	11/14/2018	
Mine Name	Coal Hollow Mine		
Company Name	Alton Coal Development, LLC		
Impoundment Identification	Impoundment Name	Pond 5	
	Impoundment Number	Pond 5	
	MSHA Mine ID Number	42-02519	
IMPOUNDMENT INSPECTION			
Inspection Date	14-Nov-18		
Inspected By	Kirk Nicholes / Dan Guy		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Quarterly Inspection.		
<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: 6843.0 (3.00') 100% Elevation: 6844.0 (4.00')</p> <p>The pond had approximately 1.5' of water at the time of inspection . The sediment marker is in place, and field observation shows the sediment level to be well below the cleanout elevation. The bottom of pond and approximate sediment elevation is 6841.2.</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle Spillway Elevation: 6848 feet Emergency Spillway Elevation: 6849 feet Total volume of pond at Spillway: 1.43 Acre-Feet (Elev. 6848.00') Required runoff storage: 1.28 Acre-Feet</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.

The water level is approximately at elevation 6842.5. The inlets and outlet are open and appear to be operating properly. No inflow or discharge at the time of the inspection. The pond was partially frozen.

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.

The only changes were noted to the pond since the last inspection include a slight increase in the water level and sediment elevation. The pond and embankment appear to be stable.

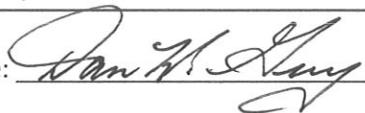
Certification Statement

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By:

Dan W. Guy, P.E.

Signature:



Date:

11/14/18

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	11/14/2018
Mine Name	Coal Hollow Mine	
Company Name	Alton Coal Development, LLC	
Impoundment Identification	Impoundment Name	Pond 6
	Impoundment Number	Pond 6
	MSHA Mine ID Number	42-02519
IMPOUNDMENT INSPECTION		
Inspection Date	14-Nov-18	
Inspected By	Kirk Nicholes / Dan Guy	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Quarterly Inspection.	
<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: 6860.0 (5.00') 100% Elevation: 6861.0 (6.00')</p> <p>The pond was mostly dry at the time of inspection, with only some small puddles of water on the west end. The sediment marker is in place, and field observation shows the sediment level to be well below the cleanout elevation. The bottom of pond and approximate sediment elevation is 6855.1.</p>	
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle Spillway Elevation: 6866 feet Emergency Spillway Elevation: 6867 feet Total volume of pond at Spillway: 3.36 Acre-Feet (Elev. 6866.00') Required runoff storage: 1.43 Acre-Feet</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.

The pond was mostly dry at the time of inspection. The inlets and outlet are open and functional; however, the outlet oil skimmer on the principle spillway is tipped. This is scheduled to be repaired. No inflow or discharge at the time of the inspection.

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.

The only changes noted since the last inspection is that there is a very slight increase in the amount of water in the west end of the pond, and the tipped oil skimmer as noted above. The pond and embankment appear to be stable and operating properly.

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:

Dan W. Guy, P.E.

Signature: *Dan W. Guy* Date: 11/14/18

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	11/14/2018
Mine Name	Coal Hollow Mine	
Company Name	Alton Coal Development, LLC	
Impoundment Identification	Impoundment Name	Pond 7
	Impoundment Number	Pond 7
	MSHA Mine ID Number	42-02519
IMPOUNDMENT INSPECTION		
Inspection Date	14-Nov-18	
Inspected By	Kirk Nicholes / Dan Guy	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Quarterly Inspection.	
<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: 6843.79 (4.79') 100% Elevation: 6844.91 (5.91')</p> <p>There was approximately 5' of water in the pond at the time of inspection. The sediment marker is in place, and field observation shows the sediment level to be well below the cleanout elevation. The bottom of pond and approximate sediment elevation is 6839.4.</p>	
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle Spillway Elevation: 6848.00 Emergency Spillway Elevation: 6849.00 Total volume of pond at principle spillway: 12.97 Acre-Feet (Elev. 6848.00) Required runoff storage: 7.11 Acre-Feet</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.

The average water elevation is approximately 6845. Inlet structures appear to be open and functioning properly. The oil skimmer has become disconnected from the principle spillway, and the scheduled repairs include replacement of the principle spillway and skimmer with cmp. The spillways are still operational. There was an approximately 150 gpm inflow and the pond was discharging at the time of the inspection. Samples have been taken as required.

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.

The changes noted since the last inspection are a decrease in the water level and the issue with the oil skimmer as noted above. The pond appears stable and repairs are scheduled.

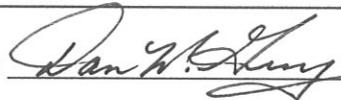
Certification Statement

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:

Dan W. Guy, P.E.

Signature:



Date:

11/14/18