

**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](http://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>06/09/2020</u>
Mine Name :	<u>Coal Hollow Project</u>	Quarter / Year :	<u>2nd / 2020</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)

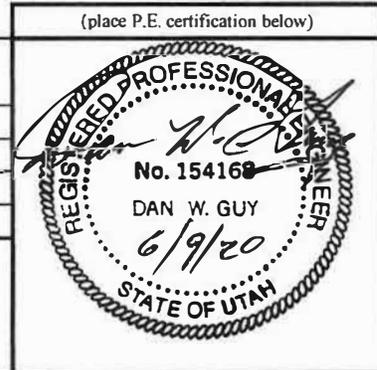
Are there cracks or scarps in crest ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Is there any detectable sloughing or bulging ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Do slope erosion problems exist ?	YES <input type="checkbox"/>	NO <input checked="" 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) ? No

Arc 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.



IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	6/9/2020
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	9-Jun-20	
Inspected By	Dan Guv / Andrew Christensen / Kirk Nicholes	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Annual 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 6.0' 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 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>	

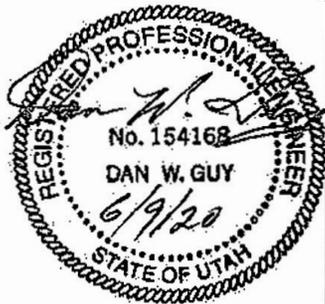
4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions or other related activities associated with the pond decanting, embankment erosion/repairs, monitoring information,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

The water level is approximately at elevation 6917.0. Embankments appear to be stable. There is a sediment delta building at the pond inlet; however, the inlet ditch is open and functioning properly. Outlet and oil skimmer are also okay. There was 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 changes noted in the structure during this 2nd quarter inspection of 2020 were that the pond contained less water and slightly more sediment. The pond appears 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: 6/9/20

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	Report Date 06/09/2020
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	9-Jun-20	
Inspected By	Dan Guy / Andrew Christensen / Kirk Nicholes	
Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)</small>	Annual 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 was nearly dry at the time of the inspection, with only a small puddle of water near the outlet end. The sediment marker is in place, and field observation shows the sediment level to be well below the cleanout level. The pond bottom and sediment elevation is approximately at elevation 6896.0.</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>	

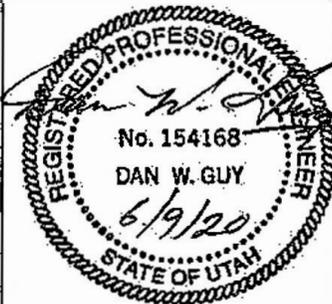
4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions or other related activities associated with the pond decanting, embankment erosion/repairs, monitoring information,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

The water level is approximately at elevation 6896.0. There are 2 inlets to the pond - both have been previously rip-rapped and are operational. There is sediment build up below each inlet. The outlet is also open and functional. The pond had recently been pumped dry. 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 main changes noted since the last inspection are the decrease in water level and some increase in sediment accumulation. The pond appears to be stable and operational. There was 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: 6/9/20

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	6/9/2020
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	9-Jun-20	
Inspected By	Dan Guy / Andrew Christensen / Kirk Nicholes	
(Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Annual Inspection.	
1. Describe any appearance of any instability, structural weakness, or any other hazardous condition. N/A - No appearance of any instability, structural weakness or other hazardous condition was noted.		
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: 60 % Elevation: 6892.1 (3.10') 100% Elevation: 6893.5 (4.50') The pond contained approximately 2.5' of water at the time of the inspection. Runoff ditches have been re-routed to by-pass the pond. The impoundment no longer functions as a sediment pond.	
	3. Principle and emergency spillway elevations. 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	

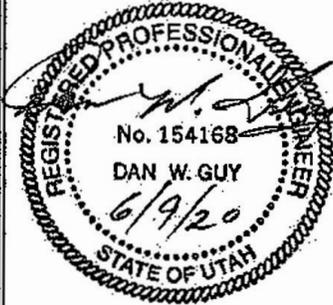
4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions or other related activities associated with the pond decanting, embankment erosion/repairs, monitoring information,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

The water level is approximately at elevation 6893.0. The single pond inlet , the single pipe outlet and oil skimmer are still open and operational, although the pond no longer functions as a sediment pond. 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.

Ditches have been re-routed according to the approved plan, and this pond is no longer functioning as a sediment pond. It is still considered an impoundment, and will be checked per regulation until its removal during the mining process. The pond appears to be stable.

**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: 6/9/20

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	6/9/2020
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	9-Jun-20	
Inspected By	Dan Guy / Andrew Christensen / Kirk Nicholes	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Annual Inspection.	
1. Describe any appearance of any instability, structural weakness, or any other hazardous condition. None Noted.		
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: 60 % Elevation: 6803.4 (7.4') 100% Elevation: 6804.9 (8.9')  The pond contained approximately 10.0' of water. The sediment marker is in place, and field observation shows the sediment level to be well below the cleanout level. The pond bottom and sediment elevation is approximately at elevation 6796.3.	
	3. Principle and emergency spillway elevations. Principle and Emergency Spillway Elevation: 6812 feet (The outlet structure for Pond 3 serves as both the Principle and Emergency Spillways) Total volume of pond at Spillway: 18.03 Acre-Feet (Elev. 6812.00') Required runoff storage: 14.89 Acre-Feet Decant Elevation: 6808.0	

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 6806.3. The inlet, spillway and decant are all open and operational. The sediment marker is in place. There was 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 main change noted since the last inspection is the decrease in the water level. The pond and 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: Dan W. Guy

Date: 6/9/20

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	Report Date 06/09/2020
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	9-Jun-20	
Inspected By	Dan Guy / Andrew Christensen / Kirk Nicholes	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Annual 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 portion and only a small puddle in the lower. 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 6827.8.</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 water elevation is approximately 6828.8. The open-channel spillway is in place and rip-rapped. The inlet is open and operating properly. There was 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 main change noted since the last inspection is the decrease in the water level. 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: 6/9/20

**IMPOUNDMENT INSPECTION AND REPORT**

<b>Permit Number</b>	C/025/0005	<b>06/09/2020</b>
<b>Mine Name</b>	Coal Hollow Mine	
<b>Company Name</b>	Alton Coal Development, LLC	
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Pond 5
	<b>Impoundment Number</b>	Pond 5
	<b>MSHA Mine ID Number</b>	42-02519

**IMPOUNDMENT INSPECTION**

<b>Inspection Date</b>	<b>9-Jun-20</b>
<b>Inspected By</b>	Dan Guy / Andrew Christensen / Kirk Nicholes

<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Annual Inspection.
---	--------------------

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.  
 No instability of the embankment or hazardous condition was noted during the inspection.

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:  
 60% Elevation: 6843.0 (3.00')  
 100% Elevation: 6844.0 (4.00')  
 The pond had approximately 1.0' of water at the time of inspection. The sediment marker is in place, and field observation shows the sediment level to be below the cleanout elevation. The bottom of pond and sediment elevation is estimated to be 6841.8.

3. **Principle and emergency spillway elevations:**  
 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

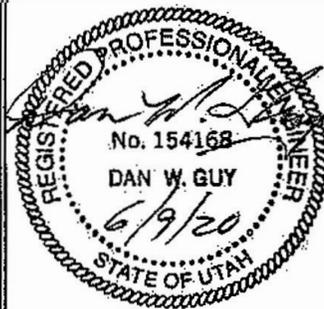
4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions or other related activities associated with the pond decanting, embankment erosion/repairs, monitoring information,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

The water level is approximately at elevation 6842.8. The inlets are open and appear to be operating properly. The outlet and spillway are both open. There was 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 main change noted to the pond since the last inspection is the decrease in the water level. 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: 6/19/20

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	6/9/2020
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	9-Jun-20	
Inspected By	Dan Guy / Andrew Christensen / Kirk Nicholes	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Annual 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 dry at the time of the inspection. The sediment marker is in place, and field observation shows the sediment level to be below the cleanout elevation. The bottom of pond and sediment elevation is estimated at 6856.0.</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>	

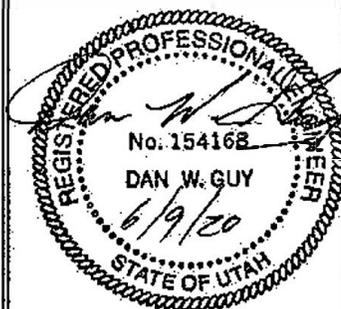
4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions or other related activities associated with the pond decanting, embankment erosion/repairs, monitoring information,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

The pond was dry at the time of the inspection. The inlets, outlet and spillway are open and functional. The sediment marker is in place. There was 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 main change noted since the last inspection is that the pond is dry. 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: 6/9/20

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	6/9/2020
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	9-Jun-20	
Inspected By	Dan Guy / Andrew Christensen / Kirk Nicholes	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Annual 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 1.5' 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 below the cleanout elevation. The bottom of pond and sediment elevation were estimated to be 6840.7. The principle spillway has been replaced with cmp pipe, and the emergency spillway is under reconstruction.</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 water level is approximately at elevation 6842.2. Inlet structures appear to be open and functioning properly. The principle spillway has been replaced and is complete. The emergency spillway is under reconstruction. The spillways are still operational. 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 only change noted since the last inspection is a decrease in the water level, and the repair of the principle spillway and oil skimmer has been completed. The emergency spillway is being reconstructed. The sediment marker has been reset. The pond appears stable and operational.

**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: 6/9/20