

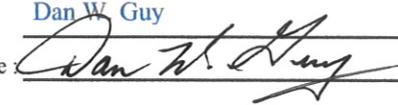
State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

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 : C/025/0005 Inspection Date : 03/28/17
 Mine Name : Coal Hollow Project Quarter / Year : 1st / 2017
 Mine Operator (Permittee) : Alton Coal Development Inspector Name : Dan W. Guy
 MSHA ID # : 42-02519 Inspector Signature : 
 Facility Name / Location / Address : 2060 South Alton Road, Alton, UT 84710

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.

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"/>

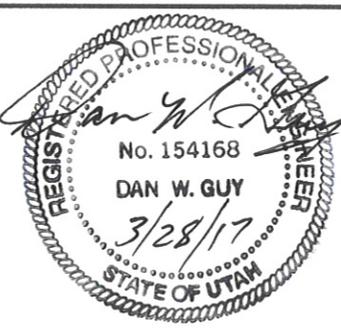
Could failure of structure create an impoundment (provide description) ? No

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.

(place P.E. certification below)



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 : C/025/0005 Inspection Date : 03/28/17
 Mine Name : Temporary Spoil Pile North Lease Quarter / Year : 1st / 2017
 Mine Operator (Permittee) : Coal Hollow Project - Alton Coal Inspector Name : Dan W. Guy
 MSHA ID # : 42-02519 Inspector Signature : *Dan W. Guy*
 Facility Name / Location / Address : 2060 South Alton Road, Alton, UT 84710

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes):
Pile has been totally removed for pit reclamation.

2. Lift Height / Thickness Avg 4.0' Maximum 4.0' # _____ Elevation of Active Benches : N/A , _____ , _____
 3. Vertical Angle of Outslope(s) / Location(s) where measured N/A Not Graded / _____ / _____
 4. Total storage capacity: 506,000 cy Remaining storage capacity N/A Volume placed during year : None

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. Orange marker placed beneath active pile area.

6. Describe placement and compaction of fill materials (including an explanation of how compaction is confirmed) :
Dumped by truck. Graded and pushed by dozer. Compaction primarily from large trucks, and 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. Pile has been removed.

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

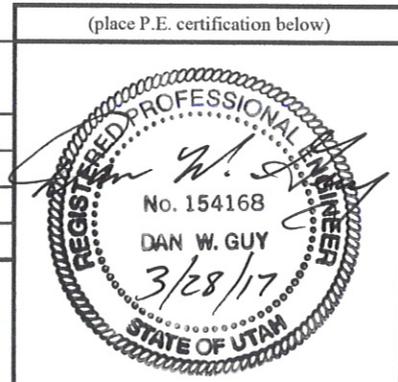
Are there cracks or scarps in crest ? YES NO
 Is there any detectable sloughing or bulging ? YES NO
 Do slope erosion problems exist ? YES NO
 Cracks or scarps in slope ? YES NO
 Surface movements? (valley bottom, hillsides) YES NO
 Erosion of Toe ? YES NO
 Water impounded by structure ? YES NO
 Are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

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 has been pushed back into pit per approved plan.

Proctor Determination : 4 Compaction Tests on 6/22/16.
Results range from 90% to 94% Compaction.

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	3/28/2017
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	28-Mar-17	
Inspected By	K. Nicholes / Dan Guy / Joe Kumpe	
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.		
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 4.5' of water. The sediment marker is in place, and field observation shows the average sediment level to be below the cleanout elevation. Some sediment buildup is evident at the inlet. The sediment level is approximately at elevation 6910.5.</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: 3.16 Acre-Feet (Elev. 6920.00')</p> <p>Required runoff storage: 2.57 Acre-Feet</p>	

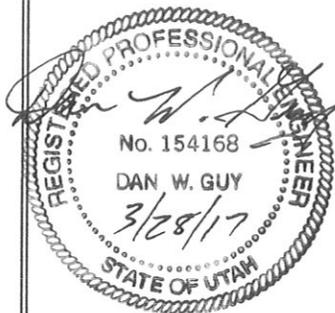
4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions or other related activities associated with the pond decanting, embankment erosion/repairs, monitoring information,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

The water level is approximately at elevation 6915. The pond is not discharging. Embankments are stable and well vegetated. Additional sediment cleaning has been completed since the 4th quarter 2016 inspection. Minor sediment buildup at inlet from recent storms and snowmelt.

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 noted changes in the structure during the 1st quarter of 2017, include an increase in the depth of the water along with the additional removal of sediment in the pond. There is some sediment accumulation in the inlet due to recent heavy runoff.

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:

(Full Name and Title)

Signature: Dan W. Guy Date: 3/28/17

IMPOUNDMENT INSPECTION AND REPORT

Permit Number	C/025/0005	Report Date	03/28/2017
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	28-Mar-17
Inspected By	Kirk Nicholes / Dan Guy / Joe Kumpe
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 - 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: 6900.00 (6.00')
100% Elevation: 6902.08 (8.08')

The pond had approximately 4' of water at the time of inspection. The sediment marker is in place. Field observation shows the sediment level to be below the cleanout elevation. The approximate sediment elevation is 6898.5.

3. Principle and emergency spillway elevations.

Principle and Emergency Spillway Elevation: 6906.45 feet (The outlet structure for Pond 1B serves as both the Principle and Emergency Spillways)

Total volume of pond at Spillway: 0.894 Acre-Feet (Elev. 6906.45)

Required runoff storage: 0.50 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 outslopes of embankments, etc.

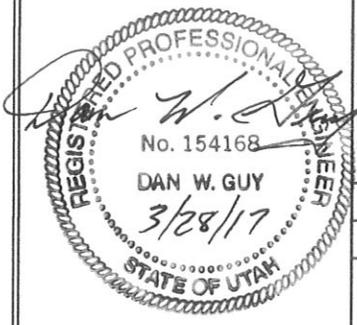
The water level is approximately at elevation 6902.5. There are 2 inlets to the pond - both have been rip-rapped. Both inlets appear stable and are functioning properly, although there is some sediment buildup in both inlets. The outlet is also open and functional.

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 noted changes to the pond since the last inspection include the increase in the water level and some sediment buildup in the inlets and within the pond.

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:

(Full Name and Title)

Signature: Dan W. Guy Date: 3/28/17

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	3/28/2017
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	28-Mar-17	
Inspected By	Kirk Nicholes / Dan Guy / Joe Kumpe	
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 - 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 6.5' of water. 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 6890.5.	
	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 outslopes of embankments, etc.

The water level is approximately at elevation 6897.0. The single pond inlet is rip-rapped. A sediment delta at the inlet has been cleaned.

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 were the increase in the water level and a slight increase in the sediment level.

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:

(Full Name and Title)

Signature: Dan W. Guy Date: 3/28/17

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	3/28/2017
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	28-Mar-17	
Inspected By	Kirk Nichols / Dan Guy / Joe Kumpe	
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>Erosion is evident along spillway below dam. Repairs are scheduled. Dam appears stable.</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: 6805.0 (4.0') 100% Elevation: 6807.0 (6.0')</p> <p>The pond contained approximately 6' 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 6803. The pond has been partially cleaned and was being decanted at the time of the inspection.</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)</p> <p>Total volume of pond at Spillway: 12.60 Acre-Feet (Elev. 6811.00')</p> <p>Required runoff storage: 6.30 Acre-Feet</p> <p>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 6809.0. Some additional cleaning was completed after the 4th quarter 2016 inspection. The pond has received a large amount of water from snowmelt and recent storms. At the time of the inspection, an erosion scarp was evident adjacent to the rip-rapped spillway below the dam. This damage is scheduled for repair as soon as ground conditions allow. The dam appears to be stable and the pond is operating properly.

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 noted changes since the last inspection include the increase in the water level and the erosion adjacent to the spillway below the pond dam. The erosion is scheduled to be repaired as soon as ground conditions allow. Although the dam appears stable and the pond is operating properly, it has been decided to postpone the annual inspection and certification until after the repairs are completed. This inspection will therefore only serve as a quarterly 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:

(Full Name and Title)

Signature: *Dan M. Long* Date: 3/28/17

IMPOUNDMENT INSPECTION AND REPORT

Permit Number	C/025/0005	Report Date 03/28/2017	
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	28-Mar-17
Inspected By	Kirk Nicholes / Dan Guy / Joe Kumpe
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.
 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: 6829.0 (7.0')
 100% Elevation: 6830.0 (8.0')

The pond contained approximately 1.0' of water in both cells. 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.

3. Principle and emergency spillway elevations.

Principle and Emergency Spillway Elevation: 6834 feet (The outlet structure for Pond 4 serves as both the Principle and Emergency Spillways)
 Total volume of pond at Spillway: 5.50 Acre-Feet (Elev. 6834.00')
 Required runoff storage: 3.80 Acre-Feet

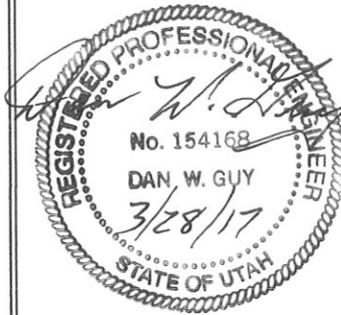
4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions or other related activities associated with the pond decanting, embankment erosion/repairs, monitoring information,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

The average water elevation is approximately 6828.2. The open-channel spillway is in place and riprapped. No discharge.

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.

There were no significant changes since the last 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.**

(Full Name and Title)

Signature:

Dan W. Guy

Date:

3/28/17

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	3/28/2017
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	28-Mar-17	
Inspected By	B.K.Nicholes / Dan Guy / Joe Kempe	
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: 6843.0 (3.00') 100% Elevation: 6844.0 (4.00')</p> <p>The pond had approximately 6.0' of water at the time of inspection . The sediment marker is down and scheduled to be reset; however, field observation shows the sediment level to be well below the cleanout elevation. The bottom of pond and approximate sediment elevation is 6840.7.</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>	

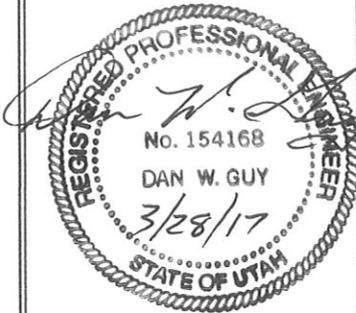
4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions or other related activities associated with the pond decanting, embankment erosion/repairs, monitoring information,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

The water level is approximately at elevation 6846.7. The sediment marker will be reset as soon as conditions allow.

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 to the pond since last inspection are the increase in water level and addition of a small amount of sediment.

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:

(Full Name and Title)

Signature:

Dan W. Guy

Date:

3/28/17

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date 03/28/2017	
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	28-Mar-17		
Inspected By	B.K.Nicholes / Dan Guy / Joe Kempe		
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 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 6855.0.</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.

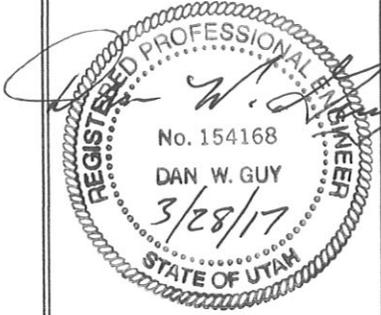
The pond was dry at the time of inspection.

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.

There have been no changes since last 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:

(Full Name and Title)

Signature: Dan W. Guy Date: 3/28/17