

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>03/25/2020</u> |
| Mine Name : | <u>Coal Hollow Project</u> | Quarter / Year : | <u>1st / 2020</u> |
| Mine Operator (Permittee) : | <u>Alton Coal Development</u> | Inspector Name : | <u>Dan W. Guy / Joe Kempe</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

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)

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

Permit Number : C/025/0005 Inspection Date : 03/25/2020
 Mine Name : Northwest Temporary Spoil Pile Quarter / Year : 1st / 2020
 Mine Operator (Permittee) : Coal Hollow Project - Alton Coal Inspector Name : Dan W. Guy / Joe Kempe
 MSHA ID # : 42-02519 Inspector Signature : *[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):
This pile has been completely removed and pushed back into the pit per the approved plan.

2. Lift Height / Thickness Avg N/A Maximum N/A # _____ Elevation of Active Benches : N/A , _____ , _____
 3. Vertical Angle of Outslope(s) / Location(s) where measured N/A / _____ / _____ / _____
 4. Total storage capacity: 0 Remaining storage capacity 0 Volume placed during year : 0
 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. To be reclaimed per approved plan.

6. Describe placement and compaction of fill materials (including an explanation of how compaction is confirmed) :
Pile Removed.

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.

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 has been pushed into the pit per the 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 REPORT | | |
| Permit Number | 05 | |
| Mine Name | Low Mine | |
| Company Name | Wilson Coal Development, LLC | |
| Impoundment Identification | Impoundment Name | Pond 1 |
| | Impoundment Number | Pond 1 |
| | MSHA Mine ID Number | 42-02519 |
| IMPOUNDMENT INSPECTION | | |
| Inspection Date | 25-Mar-20 | |
| Inspected By | Dan Guy / Joe Kumpe | |
| 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. | 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: 6912 (1.26') 100% Elevation: 6913 (2.03') The pond contained approximately 8.5' 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 6910.8. | |
| | 3. Principle and emergency spillway elevations. 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 | |

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 6919.3. Embankments appear to be stable. There is a sediment delta visible at the pond inlet. Inlet ditch is open and functioning properly. Outlet and oil skimmer are also okay. There was 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 in the structure during the 1st quarter inspection of 2020 were that the pond contained more water and slightly more sediment. The pond appears to be stable and operating properly.

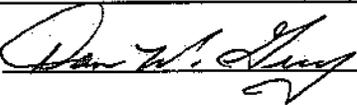
9

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: 3/25/20

| IMPOUNDMENT INSPECTION AND REPORT | | | |
|---|--|-------------|------------|
| Permit Number | C/025/0005 | Report Date | 03/25/2020 |
| 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 | 25-Feb-20 | | |
| Inspected By | Dan Guy / Joe Kumpe | | |
| Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)</small> | 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 9.0' of water at the time of the inspection. The sediment marker is in place. The sediment elevation is approximately 6895.0.</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 6904.0. There are 2 inlets to the pond - both have been previously rip-rapped and are operational. There is some sediment build up below each 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.

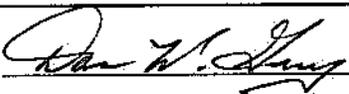
The main changes noted since the last inspection are the increase in water level and slight increase in sediment accumulation. The pond appears to be stable and operational. There was no discharge at the time of the inspection.

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:

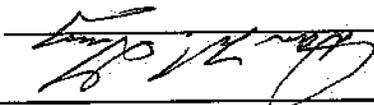
By:

Dan W. Guy, P.E.

Signature: 

Date: 3/25/20

| IMPONDMNT INSPECTION AND REPORT | |
|---|---|
| Permit Number | C/025/0005 |
| Mine Name | Coal Hollow Mine |
| Company Name | Alton Coal Development, LLC |
| Impoundment | Impoundment Name |
| Identification | Impoundment Number |
| | MSHA Mine ID Number |
| | 42-02519 |
| | Pond 2 |
| | Pond 2 |
| Inspection Date | 25-Mar-20 |
| Inspected By | Dan Guy / Joe Kumpfe |
| 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 - 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. | Required for an Impoundment which functions as a sediment pond: |
| Sediment Storage Capacity: | The pond contained approximately 3.5' of water at the time of the inspection. |
| 60 % Elevation: 6892.1 (3.10') | Ditches have been re-routed to by-pass the pond. The impoundment no longer |
| 100% Elevation: 6893.5 (4.50') | 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-Foot (Elev. 6901.09') | |
| Required runoff storage: 1.71 Acre-Foot | |

| | |
|--|---------------------------------------|
| <p>Signature:  Date: 3/25/20</p> | |
| <p>By: Dan W. Guy, P.E.</p> | |
| <p>I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself, or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.</p> | <p>Certification Statement</p> |
| <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.</p> <p>The water level is approximately at elevation 6894.0. 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.</p> | |
| <p>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.</p> <p>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.</p> | |

| IMPOUNDMENT INSPECTION AND REPORT | | |
|--|---|-----------|
| Permit Number | C/025/0005 | 3/25/2020 |
| 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 | 25-Mar-20 | |
| Inspected By | Dan Guy / Joe Kumpe | |
| 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. 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 12.0' of water. The sediment marker is in place. The previously surveyed pond bottom and sediment elevation is 6796.0. The pond was being decanted at the time of the inspection. | |
| | 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 6808.0. The inlet, spillway and decant are all open and operational. The sediment marker is in place. There was no inflow and the pond was being decanted 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 increase 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.

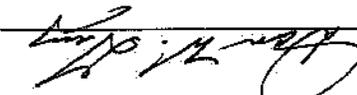
By:

Dan W. Guy, P.E.

Signature: *Dan W. Guy*

Date: 3/25/20

| IMPONDMENT INSPECTION AND REPORT | |
|--|---|
| Permit Number | C/025/0005 |
| Mine Name | Coal Hollow Mine |
| Company Name | Alton Coal Development, LLC |
| Impondment Name | Pond 4 |
| Impondment Number | Pond 4 |
| MSHA Mine ID Number | 42-02519 |
| IMPONDMENT INSPECTION | |
| Inspection Date | 25-Mar-20 |
| Inspected By | Dan Guy / Joe Kumpke |
| Reason for Inspection | (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction) |
| 1. Describe any appearance of any instability, structural weakness, or any other hazardous condition. | Quarterly inspection. |
| 2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated functions as a SEDIMENTATION POND. | <p>Sediment Storage Capacity: 60% Elevation: 6829.0 (7.0') 100% Elevation: 6830.0 (8.0')</p> <p>The pond contained approximately 4.0' of water. 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 6827.7.</p> |
| 3. Principle and emergency spillway elevations. | <p>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</p> |

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| <p>Signature:  Date: 3/25/20</p> | |
| <p>By: Dan W. Guy, P.E.</p> | |
| <p>Certification Statement</p> <p>I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself, or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.</p> | |
| <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 outcrops of embankments, etc.</p> <p>The water elevation is approximately 6831.7. The open-channel spillway is in place and rip-rapped. The inlet is open and operating properly. There was no discharge at the time of the inspection; however, there was some inflow from the snow melt and runoff accumulation above the pond.</p> | |
| <p>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.</p> <p>The main change noted since the last inspection is the increase in the water level. The pond appears to be stable and operating properly. There was minor inflow and no discharge at the time of the inspection.</p> | |

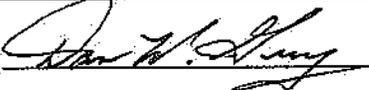
| IMPOUNDMENT INSPECTION AND REPORT | | | |
|--|---|------------|--|
| Permit Number | C/025/0005 | 03/25/2020 | |
| Mine Name | Coal Hollow Mine | | |
| Company Name | Alton Coal Development, LLC | | |
| Impoundment Identification | Impoundment Name | Pond 5 | |
| | Impoundment Number | Pond 5 | |
| | MSHA Mine ID Number | 42-02519 | |
| IMPOUNDMENT INSPECTION | | | |
| Inspection Date | 25-Mar-20 | | |
| Inspected By | 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>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 3.0' 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.</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.

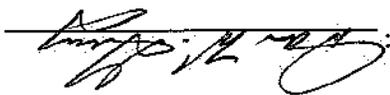
The water level is approximately at elevation 6844.8. The inlets are open and appear to be operating properly. The outlet and spillway are both open. There was no inflow or discharge at the time of the inspection.

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 increase 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:  Date: 3/25/20 |

| IMPONDMENT INSPECTION AND REPORT | |
|---|--|
| Permit Number | C/025/0005 |
| Mine Name | Coal Hollow Mine |
| Company Name | Alton Coal Development, LLC |
| Impoundment | Impoundment Name |
| Identification | Impoundment Number |
| | MSHA Mine ID Number |
| | 42-02519 |
| | Pond 6 |
| | Pond 6 |
| Inspection Date | 25-Mar-20 |
| Inspected By | Dan Guy / Joe Kumppe |
| 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. | No instability of the embankment or hazardous condition was noted during the inspection. |
| 2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment. | <p>Sediment Storage Capacity:</p> <p>60 % Elevation: 6860.0 (5.00')</p> <p>100% Elevation: 6861.0 (6.00')</p> <p>The pond contained approximately 1.0' of water 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 6855.8.</p> |
| 3. Principle and emergency spillway elevations. | <p>Principle Spillway Elevation: 6866 feet</p> <p>Emergency Spillway Elevation: 6867 feet</p> <p>Total volume of pond at Spillway: 3.36 Acre-Feet (Elev. 6866.00')</p> <p>Required runoff storage: 1.43 Acre-Feet</p> |

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| <p>Signature:  Date: 3/28/20</p> | |
| <p>By: Dan W. Guy, P.E.</p> | |
| <p>I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself, or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.</p> | <p>Certification Statement</p> |
| <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 outcrops of embankments, etc.</p> <p>The water level is approximately at elevation 6856.8. 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.</p> | |
| <p>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.</p> <p>The main change noted since the last inspection is the slight increase in the water level. The pond and embankment appear to be stable and operating properly.</p> | |

| IMPOUNDMENT INSPECTION AND REPORT | | |
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| Permit Number | C/025/0005 | 3/25/2020 |
| 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 | 25-Mar-20 | |
| Inspected By | 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>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 4.5' 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 6840.5.</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 6845.0. Inlet structures appear to be open and functioning properly. The principle spillway riser is in place; however, the oil skimmer has not been re-installed as yet. 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 slight decrease in the water level. The repair of the principle spillway and oil skimmer will be completed as soon as conditions allow. The sediment marker has been reset. The pond appears stable and operational.

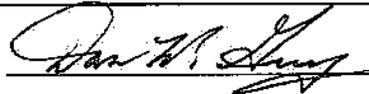
Certification Statement

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:



Date:

3/25/20