

OGMCOAL - Fwd: 1st Qt Impoundment Inspections

From: Karl Houskeeper
To: Daron Haddock; OGMCOAL
Date: 5/31/2011 8:11 AM
Subject: Fwd: 1st Qt Impoundment Inspections
Attachments: 1st QT 2011 Impoundment Inspections.pdf

>>> Kirk Nicholes <knicholes@altoncoal.com> 5/27/2011 6:30 AM >>>

Hello Karl,

When the engineer told me he was getting a root canal today, I wasn't to confidant I would be able to get these to you this week.

Thank You

Kirk Nicholes

Environmental Specialist

Alton Coal Development, LLC

463 N 100 W, Suite 1

Cedar City, Ut 84721

T 435-867-5331

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| IMPOUNDMENT INSPECTION AND REPORT | | | |
|--|---|-------------|----------|
| Permit Number | C/025/0005 | Report Date | 2-9-2011 |
| Mine Name | Coal Hollow Mine | | |
| Company Name | Alton Coal Development, LLC | | |
| Impoundment Identification | Impoundment Name | Pond 1 | |
| | Impoundment Number | Pond 1 | |
| | MSHA Mine ID Number | 42-02519 | |
| IMPOUNDMENT INSPECTION | | | |
| Inspection Date | 2-9-2011 | | |
| Inspected By | Kerry Benson | | |
| Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction) | Annual | | |
| <p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>No instability of the embankment or hazardous condition was noted during the inspection.</p> | | | |
| Required for an impoundment which functions as a SEDIMENTATION POND. | <p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.</p> <p>Sediment Storage Capacity: 60 % Elevation: 1.26' 100% Elevation: 2.03'</p> <p>No existing sediment.</p> | | |
| | <p>3. Principle and emergency spillway elevations.</p> <p>Principle and Emergency Spillway Elevation: 6920 feet (The outlet structure for Pond 1 serves as both the Principle and Emergency Spillways) Total volume of pond at Spillway: 3.1 Acre-Feet Required runoff storage: 2.57 Acre-Feet 100 % Sediment Storage: 0.53 Acre-Feet 60 % Sediment Storage: 0.32 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.

Pond is newly constructed, clean and dry.

5. **Field Evaluation.** Describe any changes in the geometry of the structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

None.

Certification Statement



I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations: and, that inspections and inspection reports are made by myself, or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

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

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

| IMPOUNDMENT INSPECTION AND REPORT | | | |
|--|--|-------------|----------|
| Permit Number | C/025/0005 | Report Date | 2-9-2011 |
| Mine Name | Coal Hollow Mine | | |
| Company Name | Alton Coal Development, LLC | | |
| Impoundment Identification | Impoundment Name | Pond 1B | |
| | Impoundment Number | Pond 1B | |
| | MSHA Mine ID Number | 42-02519 | |
| IMPOUNDMENT INSPECTION | | | |
| Inspection Date | 2-9-2011 | | |
| Inspected By | Kerry Benson | | |
| Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction) | | Annual | |
| <p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>No instability of the embankment or hazardous condition was noted during the inspection.</p> | | | |
| Required for an impoundment which functions as a SEDIMENTATION POND. | <p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.</p> <p>Sediment Storage Capacity: 60 % Elevation: 6.00' 100% Elevation: 8.08'</p> <p>No existing sediment.</p> | | |
| | <p>3. Principle and emergency spillway elevations.</p> <p>Principle and Emergency Spillway Elevation: 6906 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</p> <p>Required runoff storage: 0.50 Acre-Feet</p> <p>100 % Sediment Storage: 0.394 Acre-Feet</p> <p>60 % Sediment Storage: 0.236 Acre-Feet</p> | | |

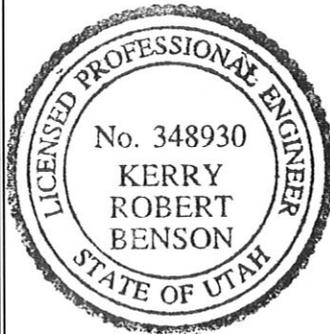
4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions or other related activities associated with the pond decanting, embankment erosion/repairs, monitoring information,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

Pond is newly constructed, clean and dry.

5. **Field Evaluation.** Describe any changes in the geometry of the structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

None.

Certification Statement



I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations: and, that inspections and inspection reports are made by myself, or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: KERRY ROBERT BENSON, PE

(Full Name and Title)

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

| IMPOUNDMENT INSPECTION AND REPORT | | | |
|---|--|-------------|----------|
| Permit Number | C/025/0005 | Report Date | 2-9-2011 |
| Mine Name | Coal Hollow Mine | | |
| Company Name | Alton Coal Development, LLC | | |
| Impoundment Identification | Impoundment Name | Pond 2 | |
| | Impoundment Number | Pond 2 | |
| | MSHA Mine ID Number | 42-02519 | |
| IMPOUNDMENT INSPECTION | | | |
| Inspection Date | 2-9-2011 | | |
| Inspected By | Kerry Benson | | |
| Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction) | | Annual | |
| 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: 3.07' 100% Elevation: 4.72' Sediment level was not determined because of ice cover. | | |
| | 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 Required runoff storage: 1.70 Acre-Feet 100 % Sediment Storage: 0.975 Acre-Feet 60 % Sediment Storage: 0.585 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.

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

5. **Field Evaluation.** Describe any changes in the geometry of the structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

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

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

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

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

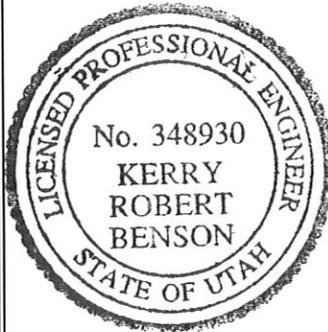
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Pond is newly constructed, clean and dry.

5. **Field Evaluation.** Describe any changes in the geometry of the structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

None.

Certification Statement



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

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