

Print Form

Submit by Email

Reset Form

Task #4558

# Annual Report

This Annual Report shows information the Division has for your mine. Submit the completed document and any additional information identified in the Appendices to the Division by the date specified in the cover letter. During a complete inspection an inspector will check and verify the information.

## GENERAL INFORMATION

Company Name	Alton Coal Development, LLC	Mine Name	Coal Hollow Mine
Permit Number	C/025/0005	Permit expiration Date	
Operator Name		Phone Number	
Mailing Address		Email	
City			
State		Zip Code	

## DOGGM File Location or Annual Report Location

Excess Spoil Piles	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required	
Refuse Piles	<input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required	
Impoundments	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required	
Other:		

## OPERATOR COMMENTS

Certified inspection of ponds 1, 1B, 2 and 3 were completed on Mar. 21,2013. Pond 4 was certified and pond 3 was re-certified after enlarging on Jun. 26, 2013. Certified inspection of the Excess Spoils Pile was completed on a quarterly basis on Mar. 21, 2013, Jun. 26, 2013, Sep. 18, 2013 and Dec. 18, 2013. Copies of the inspection reports were emailed to the Division each quarter and copies are included with the Annual Report.

## REVIEWER COMMENTS

Met Requirements  Did Not meet Requirements

# COMMITMENTS AND CONDITIONS

The Permittee is responsible for ensuring annual technical commitments in the Mining and Reclamation Plan and conditions accepted with the permit are completed throughout the year. The Division has identified these commitments below and has provided space for you to report what you have done during the past year for each commitment. If additional written response is required, it should be filed as an attachment to this report.

## Title: TOPSOIL AND SUBSOIL SALVAGE

**Objective:** Monitor topsoil and subsoil salvage by suitability criteria and depth described in Appendix 2-1, Table 4-1.

**Frequency:** During operations

**Status:** Long term

**Reports:** Keep tally of volumes salvaged, stockpiled, live hauled.

**Citation:** MRP, Volume 1, Chapter 2, Section 231.100, and Appendix 2-1, pg. 4-2.

Operator Comments

Topsoil Stockpiles: #1-25,289 cyds, #2-137,021 cyds, #3-Consumed, #4-51,234 cyds, #5-8,671cyds  
Subsoil Stockpiles: #1-73,070 cyds, #2-118,244 cyds, #3-31,206 cyds  
Live Hauled Topsoil: 25,327 cyds  
Live Hauled Subsoil: 161,949 cyds

Reviewer Comments  Met Requirements  Did Not Meet Requirements

## Title: PREDATOR CONTROL

**Objective:** To effectively manage predators and increase the population of birds at the Alton lek.

**Frequency:** Annually

**Status:** Overdue, please provide locations of coyote control efforts.

**Reports:** Annual summary of work completed to date. Please include any reports from USDA Wildlife Services.

**Citation:** MRP, Volume 2, Chapter 3, Appendix 3-5 page 26

Operator Comments

ACD through a contract with Wildlife Services continued its predator control requirements in 2013. The Wildlife Services report on predator control is included in the Greater Sage-grouse Population Monitoring and Habitat Improvement Progress Report 2013, a copy of which has been submitted for inclusion to the MRP.

Reviewer Comments  Met Requirements  Did Not Meet Requirements







Reviewer Comments  Did Not Meet Requirements  Met Requirements

**Title: RECLAMATION TIMETABLE**

**Objective:** To ensure timely reclamation

**Frequency:** Acreage to be reclaimed annually is itemized and shown on Dwg. 5-38

**Status:** in 2012, 7 acres reclaimed, 2013 55 acres to be reclaimed, 2014 59 acres to be reclaimed, 2015 51 acres to be reclaimed, 2016 60 acres to be reclaimed, 2017 173 acres to be reclaimed

**Reports:** Annual summary of work completed to date.

**Citation:** MRP, Volume 2, Chapter 3, page 56, Chapter 5, page 5-59.

Operator Comments

In 2013, approximately 63.9 acres were brought to grade for reclamation, of this approximately 32 acres had subsoil placed at the required depth. Approximately 25.1 acres were topsoil and reseeded with the final reclamation seed mix. Drawings 5-38 and 5-38A depicts the areas of 2013 reclamation activity along with the previous years reclamation. Revised copies have been included with the submission of this Annual Report.

Reviewer Comments  Did Not Meet Requirements  Met Requirements

**Title: SAMPLING FINAL GRADED, TOPSOILED SURFACE**

**Objective:** To ensure a fertile growth medium.

**Frequency:** One composite sample every 2-5 acres based on variability.

**Status:** Contemporaneous with reclamation.

**Reports:** Laboratory analysis of available phosphorus, soluble potassium and nitrate-nitrogen.

**Citation:** MRP, Volume 1, Chapter 2, Section 231.300 and 243.

Operator Comments

Two composite sample were taken of topsoil live hauled to the 2013 reclamation sight. They have been submitted for inclusion into the MRP in Chapter 2 Appendix 2-2.

Reviewer Comments  Met Requirements  Did Not Meet Requirements

**Title: Evaluate Mine Discharges for Impacts to Kanab Creek AVF**

**Objective:** To evaluate discharges that may impact the designated AVF on Kanab Creek.

**Frequency:** Annually

**Status:** Ongoing

**Reports:** An annual finding should be placed in the Annual Report during operation and reclamation of any adverse impacts to the channel, diminution of water quality and impacts to wildlife

**Citation:** Coal Hollow Permit, Attachment A, Special Condition #5

Operator Comments

A copy of the findings as evaluated by Eric Petersen of Petersen Hydrologic date February 6, 2014 has been included with the Annual Report.

Reviewer Comments  Met Requirements  Did Not Meet Requirements

# FUTURE COMMITMENTS AND CONDITIONS

The following commitments are not required for the current annual report year, but will be required by the permittee in the future as indicated by the "status" field. These commitments are included for information only, and do not currently require action. If you feel that the commitment is no longer relevant or needs to be revised, please contact the Division.

**Title: REVIEW AND EVALUATE THE FACILITIES SPILL PLAN (APPENDIX 7-5)**

**Objective:** To ensure the accuracy of the Facilities Spill Plan and to determine if additional or more effective spill prevention and control technology that is applicable to the facility must be added.

**Frequency:** At least once every five years.

**Status:** Pending, next review due 2014.

**Reports:** Completed Plan Review form submitted for incorporation into Appendix B of Appendix 7-5.

**Citation:** MRP, Volume 7, Chapter 7, Appendix 7-5, Section 2.2 PLAN REVIEW, page 2.

**Title: RESTORATION OF LEK**

**Objective:** To restore the original lek at the end of mining activities.

**Frequency:** Once

**Status:** Restoration of the lek will begin at final reclamation.

**Reports:** Annual summary of work completed after reclamation begins.

**Citation:** MRP, Volume 2, Chapter 3, Appendix 3-5, page 12.

**Title: SAGE GROUSE MONITORING**

**Objective:** To monitor the population densities at the Hoyt's ranch and Alton leks and migration patterns in between as long as the birds are living.

**Frequency:** Annual summary

**Status:** Ongoing, meet with the Division six months prior to mining through the lek to discuss minimizing impacts to sage grouse.

**Reports:** Annual Summary of work completed.

**Citation:** MRP, Volume 2, Chapter 3, Appendix 3-5, page 13.

**OPERATOR COMMENTS (OPTIONAL)**

**REVIEWER COMMENTS**



## REPORTING OF OTHER TECHNICAL DATA

Please list other technical data or information that was not included in the form above, but is required under the approved plan, which must be periodically submitted to the Division.

Please list attachments:

Excess Spoil Pile and Impoundment Reports for 2012 (1st, 2nd, 3rd, and 4th Quarter)  
Wildlife Awareness Training Log and copies of presentation provided to employees  
February 6, 2014 Petersen Hydrologic evaluation of AVF on Kanab Creek

Reviewer Comments

# MAPS

Copies of mine maps, current and up-to-date, are to be provided to the Division as an attachment to this report in accordance with the requirements of R645-301-525.240. The map copies shall be made in accordance with 30 CFR 75.1200 as required by MSHA. Mine maps are not considered confidential.

Map Name	Map Number	Included		Confidential	
		Yes	No	Yes	No
Annual Mine/ Reclamation Area Map	Figure 7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Reclamation Sequence	Drawing 5-38	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Reclamation Sequence (Surface & Highwall Mining	Drawing 5-38A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reviewer Comments    Met Requirements                       Did Not Meet Requirements

**INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL  
PILE OR REFUSE PILE**

<b>Permit Number</b>	C/025/0005	<b>Report Date</b>	03/21/13
<b>Mine Name</b>	Coal Hollow Mine		
<b>Company Name</b>	Alton Coal Development, LLC		
<b>Excess Spoil Pile or Refuse Pile Identification</b>	<b>Pile Name</b>	Coal Hollow Mine Excess Spoil Pile	
	<b>Pile Number</b>		
	<b>MSHA Mine ID Number</b>	42-02519	
<b>Inspection Date</b>	21-Mar-13		
<b>Inspected By</b>	Dan W. Guy, P.E.		
<b>Reason for Inspection - Quarterly Inspection</b> (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)		<b>Attachments to Report?</b> <b>No</b>	

**Field Evaluation**

*No significant problems with the waste site were observed during the 1st Quarter 2013.*

**1. Foundation preparation, including the removal of all organic material and topsoil.**

Based on observation and discussion with the operator, the foundation preparation has been completed according to the approved plan.

**2 Placement of underdrains and protective filter systems.**

N/A - There are no underdrains or other filter systems associated with this pile.

**3. Installation of final surface drainage systems.**

The present surface drainage and diversion systems are operational and final. The pile has reached the elevation to allow positive drainage to Ditch 4 which flows to Sediment Pond No 3.

**4. Placement and compaction of fill materials.**

Placement and compaction of fill material appears to be in accordance with the approved plan, based on evaluation of compaction test results, site observation and discussion with the operator. Compaction tests ran on new spoils on 03/07/13 show compaction ranged from 92% to 100%+.

**5. Final grading and revegetation of fill.**

The fill is in the early stage of development. The north, west and south out slopes of the pile have been final graded to a slope of 3H:1V. A berm has been placed on the south edge to control runoff. Seeding was completed on 7 acres in October, 2012. Controls have been installed in locations where runoff from the reclamation could run to the undisturbed environment. Approximately 8 additional acres have been sloped and subsoiled.

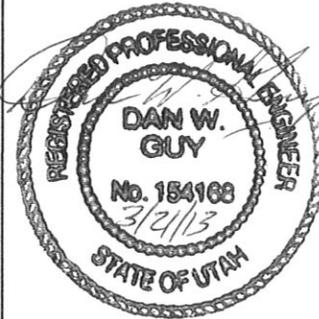
6. Appearances of instability, structural weakness, and other hazardous conditions.

N/A - There were no appearances of instability, structural weakness or other hazardous conditions noted during this inspection. Latest compaction tests show adequate compaction, with results ranging from 92% to 100%+. The pile is being constructed at different levels to aid in the compaction.

7. Other Comments. Describe any changes in geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and Minimum lifts of materials placed in the pile, elevations of active benches, total and remaining capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

As noted above, the pile is in the early stage of development. The diversion No. 4 carrying pile runoff to Sediment Pond No. 3 is in place. The pile appears stable and is being constructed in accordance with the approved plan. 7 acres of the topsoiled area of the pile was seeded in late October 2012. Sloping and subsoil is done on 8 more acres, ready for topsoil.

**Certification Statement**



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 the certified and approved designs for this structure: that the fill structure 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, Registered Professional Engineer, State of Utah**

(Full Name and Title)

Signature: Dan W. Guy Date: 03/21/13

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date 3/21/2013	
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	21-Mar-13		
Inspected By	Dan W. Guy, P. E. (Accompanied by Larry Johnson)		
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: 6912.26 (1.26') 100% Elevation: 6913.03 (2.03')  The pond contained approximately 6' of water. The sediment marker is in place. Field observation shows the sediment level to be well below the cleanout elevation. The approximate sediment elevation is 6909.8.		
	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: 3.1 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 outslopes of embankments, etc.

The water level is approximately at elevation 6917.0. Rip-rap has been placed on both inlets. The outlet culvert, which serves as both principle and emergency outlet, is open and functional. There is no discharge from the pond. A berm has been installed on the upper side of the pond.

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 was an increase in the water level. Increase was due to snow melt from the winter and an early March storm.

**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: 03/21/13

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date	03/21/2013
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	21-Mar-13		
Inspected By	Dan W. Guy, P.E. (Accompanied by Larry Johnson)		
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>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 1' of water. The sediment marker is in place. Field observation shows the sediment level to be well below the cleanout elevation. The approximate sediment elevation is 6892.3.</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 (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 6895. There are 2 inlets to the pond - both have been rip-rapped. Both inlets appear stable and are functioning properly. 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 only noted change since the last inspection is a slight increase in the water level due to snow melt. Also, the CMP inlet was replaced with a 12" steel pipe to prevent crushing.

**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: 03/21/13

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date	03/21/13
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	21-Mar-13		
Inspected By	Dan W. Guy, P.E. (Accompanied by Larry Johnson)		
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: 6894.07 (3.07') 100% Elevation: 6895.72 (4.72')  The pond contained approximately 2.0' 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 6889.5.		
	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: 1.70 Acre-Feet		

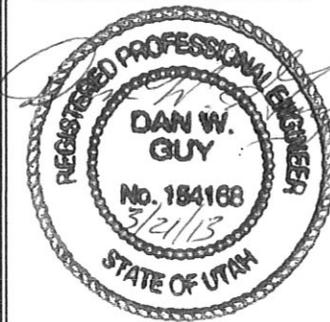
4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions or other related activities associated with the pond decanting, embankment erosion/repairs, monitoring information,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

The water level is approximately at elevation 6893.0. The single pond inlet is rip-rapped. The outlet is open and functional. No other problems were noted during 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.

There was no noted change in the pond 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: 03/21/13

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date	03/21/13
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	21-Mar-13		
Inspected By	Dan W. Guy, P.E. (Accompanied by Larry Johnson)		
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: 6803.17 (2.17')  100% Elevation: 6803.82 (2.82')</p> <p>The pond contained approximately 2.5 ' 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 6800.8.</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: 7.98 Acre-Feet (Elev. 6811.00')</p> <p>Required runoff storage: 6.72 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 6803.5. Permanent Inlet Ditch 4 has been installed and is functional. The open-channel spillway has been rebuilt and rip-rapped. 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.

The only change noted in the pond since the last inspection was a slight increase in the water level due to snow melt. Survey work has been completed and the pond is scheduled to be enlarged to the Southeast.

**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: 03/21/13

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date 6/26/2013	
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	26-Jun-13		
Inspected By	Dan W. Guy, P. E. (Accompanied by B. Kirk Nicholes)		
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: 6912.26 (1.26') 100% Elevation: 6913.03 (2.03') The pond contained approximately 3' of water. The sediment marker is in place. Field observation shows the sediment level to be well below the cleanout elevation. The approximate sediment elevation is 6910.0.		
	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: 3.1 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 out slopes of embankments, etc.

The water level is approximately at elevation 6913.0. Rip-rap has been placed on both inlets. The outlet culvert, which serves as both principle and emergency outlet, is open and functional. There is no discharge from the pond. A berm has been installed on the upper side of the pond.

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 was a decrease in the water 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: Dan W. Guy, P.E.**

(Full Name and Title)

Signature: *Dan W. Guy* Date: 6/26/13

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date	06/26/2013
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	26-Jun-13		
Inspected By	Dan W. Guy, P.E. (Accompanied by B. Kirk Nicholes.)		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Quarterly Inspection.		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>N/A - No appearance of any instability, structural weakness or other hazardous condition was noted.</p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.</p> <p>Sediment Storage Capacity:  60 % Elevation: 6900.00 (6.00')  100% Elevation: 6902.08 (8.08')</p> <p>The pond contained approximately 1' of water. The sediment marker is in place. Field observation shows the sediment level to be well below the cleanout elevation. The approximate sediment elevation is 6892.5.</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 (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 outslopes of embankments, etc.

The water level is approximately at elevation 6893.5. There are 2 inlets to the pond - both have been rip-rapped. Both inlets appear stable and are functioning properly. 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.

There were no changes to the pond since the last inspection.

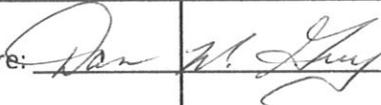
**Certification Statement**

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:



Date:

6/26/13

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	Report Date 06/26/13
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	26-Jun-13	
Inspected By	Dan W. Guy, P.E. (Accompanied by B. Kirk Nicholes.)	
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.	
	<p>Sediment Storage Capacity:</p> <p>60 % Elevation: 6894.07 (3.07')</p> <p>100% Elevation: 6895.72 (4.72')</p> <p>The pond contained approximately 1.5' 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 6889.5.</p>	
	3. Principle and emergency spillway elevations.	
	<p>Principle and Emergency Spillway Elevation: 6900 feet (The outlet structure for Pond 2 serves as both the Principle and Emergency Spillways)</p> <p>Total volume of pond at Spillway: 2.675 Acre-Feet (Elev. 6901.09')</p> <p>Required runoff storage: 1.70 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 6891.0. The single pond inlet is rip-rapped. The outlet is open and functional. No other problems were noted during 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 in the pond since the last inspection was a slight decrease in the water level.

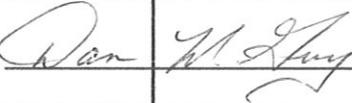
**Certification Statement**

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: Dan W. Guy, P.E.**

(Full Name and Title)

Signature:



Date:

6/26/13

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date 06/26/13	
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	26-Jun-13		
Inspected By	Dan W. Guy, P.E. (Accompanied by B. Kirk Nicholes.)		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Quarterly Inspection. Recertification.		
<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: 6807.80 (7.74')  100% Elevation: 6808.50 (8.44')</p> <p>The pond has been enlarged and is dry. The sediment marker is in place, and field observation shows the sediment level to be well below the cleanout elevation. The approximate average sediment elevation is 6799.0.</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: 12.96 Acre-Feet (Elev. 6811.00')</p> <p>Required runoff storage: 6.72 Acre-Feet</p>		

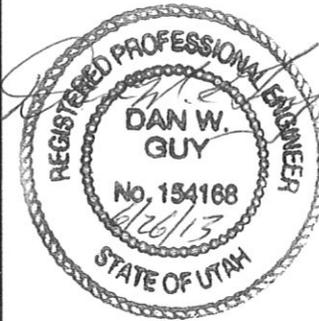
4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions or other related activities associated with the pond decanting, embankment erosion/repairs, monitoring information,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

The pond is dry. Permanent Inlet Ditch 4 has been installed and is functional. The open-channel spillway has been rebuilt and rip-rapped. 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.

The pond has been enlarged to 12.96 ac-ft capacity. This report is a recertification of the pond as a result of the modification.

**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:

*6/26/13*

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date 06/26/13	
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	26-Jun-13		
Inspected By	Dan W. Guy, P.E. (Accompanied by B. Kirk Nicholes.)		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Completion of Construction.		
<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: 6832.0 (3.78')  100% Elevation: 6833.0 (4.82')</p> <p>The pond has just been completed and is dry. The sediment marker is in place, and field observation shows the sediment level to be well below the cleanout elevation. The bottom of pond and approximate sediment elevation is 6828.2.</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle and Emergency Spillway Elevation: 6834 feet (The outlet structure for Pond 4 serves as both the Principle and Emergency Spillways)</p> <p>Total volume of pond at Spillway: 5.50 Acre-Feet (Elev. 6834.00')</p> <p>Required runoff storage: 2.10 Acre-Feet</p>		

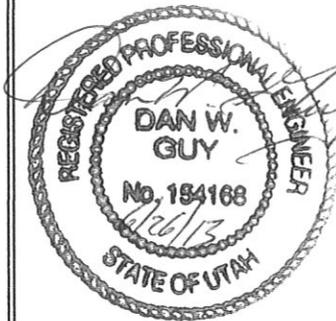
4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions or other related activities associated with the pond decanting, embankment erosion/repairs, monitoring information,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

The pond is dry. The open-channel spillway is in place and rip-rapped. 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.

The pond has just recently been constructed. All compaction tests on the pond embankments indicate compaction to 90% or greater. The pond has been constructed in accordance with the design and approved plan. This report will serve as a construction certification.

**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: 6/26/13

**INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL  
PILE OR REFUSE PILE**

Permit Number	C/025/0005	Report Date	06/26/13
Mine Name	Coal Hollow Mine		
Company Name	Alton Coal Development, LLC		
Excess Spoil Pile or Refuse Pile Identification	Pile Name	Coal Hollow Mine Excess Spoil Pile	
	Pile Number		
	MSHA Mine ID Number	42-02519	
Inspection Date	26-Jun-13		
Inspected By	Dan W. Guy, P.E.		
Reason for Inspection - Quarterly Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Attachments to Report?		No

**Field Evaluation**

*No significant problems with the waste site were observed during the 2<sup>nd</sup> Quarter 2013.*

1. Foundation preparation, including the removal of all organic material and topsoil.

Based on observation and discussion with the operator, the foundation preparation has been completed according to the approved plan.

2 Placement of underdrains and protective filter systems.

N/A - There are no underdrains or other filter systems associated with this pile.

3. Installation of final surface drainage systems.

The present surface drainage and diversion systems are operational and final. The pile has reached the elevation to allow positive drainage to Ditch 4 which flows to Sediment Pond No 3.

4. Placement and compaction of fill materials.

Placement and compaction of fill material appears to be in accordance with the approved plan, based on evaluation of compaction test results, site observation and discussion with the operator. Compaction tests ran on new spoils on 05/13/13 show compaction ranged from 88% to 98%.

5. Final grading and revegetation of fill.

The fill is in the early stage of development. The north, west and south out slopes of the pile have been final graded to a slope of 3H:1V. A berm has been placed on the south edge to control runoff. Seeding was completed on 7 acres in October, 2012. Controls have been installed in locations where runoff from the reclamation could run to the undisturbed environment. Approximately 18 additional acres have been sloped and soiled.

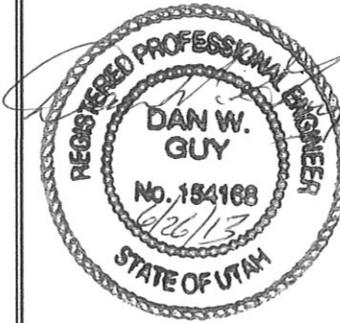
Appearances of instability, structural weakness, and other hazardous conditions.

N/A - There were no appearances of instability, structural weakness or other hazardous conditions noted during this inspection. Latest compaction tests show adequate compaction, with results ranging from 88% to 98%. The pile is being constructed at different levels to aid in the compaction.

7. Other Comments. Describe any changes in geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and Minimum lifts of materials placed in the pile, elevations of active benches, total and remaining capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

As noted above, the pile is in the early stage of development. The diversion No. 4 carrying pile runoff to Sediment Pond No. 3 is in place. The pile appears stable and is being constructed in accordance with the approved plan. 7 acres of the topsoiled area of the pile was seeded in late October 2012. Sloping and subsoil with some topsoil is done on approximately 18 more acres.

**Certification Statement**



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 the certified and approved designs for this structure: that the fill structure 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, Registered Professional Engineer, State of Utah**

(Full Name and Title)

Signature: Dan W. Guy Date: 6/26/13

**INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL  
PILE OR REFUSE PILE**

<b>Permit Number</b>	C/025/0005	<b>Report Date</b>	09/18/13
<b>Mine Name</b>	Coal Hollow Mine		
<b>Company Name</b>	Alton Coal Development, LLC		
<b>Excess Spoil Pile or Refuse Pile Identification</b>	<b>Pile Name</b>	Coal Hollow Mine Excess Spoil Pile	
	<b>Pile Number</b>		
	<b>MSHA Mine ID Number</b>	42-02519	
<b>Inspection Date</b>	18-Sep-13		
<b>Inspected By</b>	Dan W. Guy, P.E.		
<b>Reason for Inspection - Quarterly Inspection</b> (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)		<b>Attachments to Report?</b> No	

**Field Evaluation**

*No significant problems with the waste site were observed during the 3rd Quarter 2013.*

1. Foundation preparation, including the removal of all organic material and topsoil.

Based on observation and discussion with the operator, the foundation preparation has been completed according to the approved plan.

2 Placement of underdrains and protective filter systems.

N/A - There are no underdrains or other filter systems associated with this pile.

3. Installation of final surface drainage systems.

The present surface drainage and diversion systems are operational and final. The pile has reached the elevation to allow positive drainage to Ditch 4 which flows to Sediment Pond No 3.

4. Placement and compaction of fill materials.

Placement and compaction of fill material appears to be in accordance with the approved plan, based on evaluation of compaction test results, site observation and discussion with the operator. Compaction tests ran on new spoils on 05/13/13 show compaction ranged from 88% to 98%. No new tests have been run since the 2nd quarter, since no new spoil has been placed on the pile.

5. Final grading and revegetation of fill.

The fill is in the early stage of development. The north, west and south out slopes of the pile have been final graded to a slope of 3H:1V. A berm has been placed on the south edge to control runoff. Seeding was completed on 7 acres in October, 2012. Approximately 18 additional acres have been sloped and soiled. 5 of those acres have been seeded and are showing good growth.

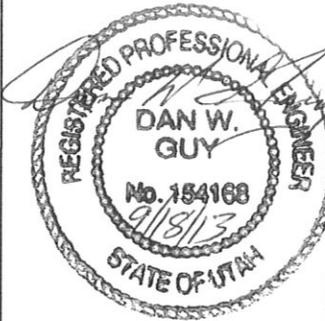
Appearances of instability, structural weakness, and other hazardous conditions.

N/A - There were no appearances of instability, structural weakness or other hazardous conditions noted during this inspection. Latest compaction tests show adequate compaction, with results ranging from 88% to 98%. The pile is being constructed at different levels to aid in the compaction. No new spoils have been added and no new compaction tests were done this quarter.

7. Other Comments. Describe any changes in geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and Minimum lifts of materials placed in the pile, elevations of active benches, total and remaining capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

As noted above, the pile is in the early stage of development. The pile appears stable and is being constructed in accordance with the approved plan. 7 acres of the topsoiled area of the pile was seeded in late October 2012. Sloping and subsoil with some topsoil is done on approximately 18 more acres. 5 of those acres have been seeded and are showing good growth.

**Certification Statement**



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 the certified and approved designs for this structure: that the fill structure 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, Registered Professional Engineer, State of Utah**

(Full Name and Title)

Signature: *Dan W. Guy* Date: 9/18/13

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date	09/18/2013
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	18-Sep-13		
Inspected By	Dan W. Guy, P. E. (Accompanied by B. Kirk Nicholes)		
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: 6912.26 (1.26') 100% Elevation: 6913.03 (2.03') The pond contained approximately 4' of water. The sediment marker is in place. Field observation shows the sediment level to be well below the cleanout elevation. The approximate sediment elevation is 6911.0. Some sediment buildup is evident at the south inlet due to recent storms.		
	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: 3.1 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 outslopes of embankments, etc.

The water level is approximately at elevation 6915.0. Rip-rap has been placed on both inlets. The outlet culvert, which serves as both principle and emergency outlet, is open and functional. There is no discharge from the pond. A berm has been installed on the upper side of the pond.

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

The only changes noted since the last inspection was an increase in the water level, and some sediment buildup at the south inlet. Both are the result of numerous recent storms.

**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:

*9/18/13*

IMPOUNDMENT INSPECTION AND REPORT		
Permit Number	C/025/0005	Report Date 09/18/2013
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	18-Sep-13	
Inspected By	Dan W. Guy, P.E. (Accompanied by B. Kirk Nicholes.)	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)	Quarterly Inspection.	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>N/A - No appearance of any instability, structural weakness or other hazardous condition was noted.</p>		
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.</p> <p>Sediment Storage Capacity:            60 % Elevation: 6900.00 (6.00')            100% Elevation: 6902.08 (8.08')</p> <p>The pond contained approximately 8' of water. The sediment marker is in place. Field observation shows the sediment level to be well below the cleanout elevation. The approximate sediment elevation is 6893.0.</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 (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 outsoles of embankments, etc.

The water level is approximately at elevation 6900.5. There are 2 inlets to the pond - both have been rip-rapped. Both inlets appear stable and are functioning properly. 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 only change to the pond since the last inspection is the increase in water level due to recent storms.

**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: 9/18/13

**IMPOUNDMENT INSPECTION AND REPORT**

<b>Permit Number</b>	C/025/0005	<b>Report Date</b>	09/18/13
<b>Mine Name</b>	Coal Hollow Mine		
<b>Company Name</b>	Alton Coal Development, LLC		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Pond 2	
	<b>Impoundment Number</b>	Pond 2	
	<b>MSHA Mine ID Number</b>	42-02519	

**IMPOUNDMENT INSPECTION**

**Inspection Date** 18-Sep-13

**Inspected By** Dan W. Guy, P.E. (Accompanied by B. Kirk Nicholes.)

**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.**  
 Sediment Storage Capacity:  
 60 % Elevation: 6894.07 (3.07')  
 100% Elevation: 6895.72 (4.72')  
 The pond contained approximately 6' 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 6890.0.

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: 1.70 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 6896.0. The single pond inlet is rip-rapped. The outlet is open and functional. No other problems were noted during 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.

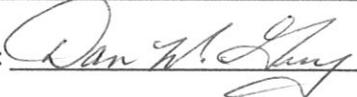
The only change in the pond since the last inspection was an increase in the water level due to recent storms.

**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:  Date: 9/18/13

**IMPOUNDMENT INSPECTION AND REPORT**

<b>Permit Number</b>	C/025/0005	<b>Report Date 09/18/13</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 3	
	<b>Impoundment Number</b>	Pond 3	
	<b>MSHA Mine ID Number</b>	42-02519	

**IMPOUNDMENT INSPECTION**

<b>Inspection Date</b>	<b>18-Sep-13</b>
<b>Inspected By</b>	Dan W. Guy, P.E. (Accompanied by B. Kirk Nicholes.)
<b>Reason for Inspection</b> (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.

Required for an impoundment which functions as a SEDIMENTATION POND.	2. <b>Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.</b>  Sediment Storage Capacity: 60 % Elevation: 6807.80 (7.74') 100% Elevation: 6808.50 (8.44')  The pond contained approximately 7.5' of water. The sediment marker is in place, and field observation shows the sediment level to be well below the cleanout elevation. The approximate average sediment elevation is 6799.3.
----------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	3. <b>Principle and emergency spillway elevations.</b>  Principle and Emergency Spillway Elevation: 6811 feet (The outlet structure for Pond 3 serves as both the Principle and Emergency Spillways) Total volume of pond at Spillway: 12.96 Acre-Feet (Elev. 6811.00') Required runoff storage: 6.72 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 6808.0. Permanent Inlet Ditch 4 has been installed and is functional. The open-channel spillway has been rebuilt and rip-rapped. 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.

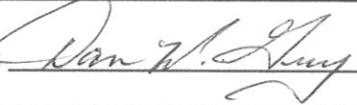
The pond has been enlarged to 12.96 ac-ft capacity and recertified. The only change since the last inspection is the increase in water level due to recent storms.

**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:  Date: 9/18/13

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date 09/18/13	
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	18-Sep-13		
Inspected By	Dan W. Guy, P.E. (Accompanied by B. Kirk Nicholes.)		
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: 6832.0 (3.78')  100% Elevation: 6833.0 (4.82')</p> <p>The pond contained approximately 1' of water on average. 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 6828.2.</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle and Emergency Spillway Elevation: 6834 feet (The outlet structure for Pond 4 serves as both the Principle and Emergency Spillways)</p> <p>Total volume of pond at Spillway: 5.50 Acre-Feet (Elev. 6834.00')</p> <p>Required runoff storage: 2.10 Acre-Feet</p>		

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

The average water elevation is approximately 6829. The open-channel spillway is in place and rip-rapped. 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.

The pond has just recently been constructed. All compaction tests on the pond embankments indicate compaction to 90% or greater. The pond has been constructed in accordance with the design and approved plan, and certified. The only change since the last inspection is a slight increase in the water level due to recent storms.

**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: 9/18/13

**INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL  
PILE OR REFUSE PILE**

<b>Permit Number</b>	C/025/0005	<b>Report Date</b>	12/18/13
<b>Mine Name</b>	Coal Hollow Mine		
<b>Company Name</b>	Alton Coal Development, LLC		
<b>Excess Spoil Pile or Refuse Pile Identification</b>	<b>Pile Name</b>	Coal Hollow Mine Excess Spoil Pile	
	<b>Pile Number</b>		
	<b>MSHA Mine ID Number</b>	42-02519	
<b>Inspection Date</b>	18-Dec-13		
<b>Inspected By</b>	Dan W. Guy, P.E.		
<b>Reason for Inspection - Quarterly Inspection</b> (Annual, Quarterly or Other Periodic Inspections, Critical Installation, or Completion of Construction)		<b>Attachments to Report?</b> <b>No</b>	

**Field Evaluation**

*No significant problems with the waste site were observed during the 4th Quarter 2013.*

1. **Foundation preparation, including the removal of all organic material and topsoil.**

Based on observation and discussion with the operator, the foundation preparation has been completed according to the approved plan.

2 **Placement of underdrains and protective filter systems.**

N/A - There are no underdrains or other filter systems associated with this pile.

3. **Installation of final surface drainage systems.**

The present surface drainage and diversion systems are operational and final. The pile has reached the elevation to allow positive drainage to Ditch 4 which flows to Sediment Pond No 3.

4. **Placement and compaction of fill materials.**

Placement and compaction of fill material appears to be in accordance with the approved plan, based on evaluation of compaction test results, site observation and discussion with the operator. Compaction tests ran on new spoils on 05/13/13 show compaction ranged from 88% to 98%. No new tests have been run since the 2nd quarter, since no new spoil has been placed on the pile.

5. **Final grading and revegetation of fill.**

The fill is in the early stage of development. The north, west and south out slopes of the pile have been final graded to a slope of 3H:1V. A berm has been placed on the south edge to control runoff. Seeding was completed on 7 acres in October, 2012. Approximately 22 additional acres have been sloped and soiled. 10 of those acres have been seeded.

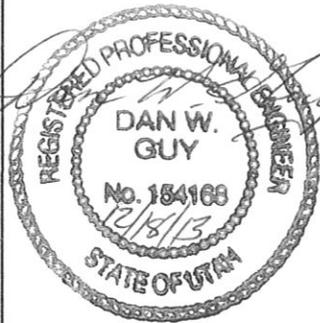
Appearances of instability, structural weakness, and other hazardous conditions.

N/A - There were no appearances of instability, structural weakness or other hazardous conditions noted during this inspection. Latest compaction tests show adequate compaction, with results ranging from 88% to 98%. The pile is being constructed at different levels to aid in the compaction. No new spoils have been added and no new compaction tests were done this quarter.

7. Other Comments. Describe any changes in geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and Minimum lifts of materials placed in the pile, elevations of active benches, total and remaining capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

As noted above, the pile is in the early stage of development. The pile appears stable and is being constructed in accordance with the approved plan. 7 acres of the topsoiled area of the pile was seeded in late October 2012. Sloping and subsoil with some topsoil is done on approximately 22 more acres. 10 of those acres have been seeded.

**Certification Statement**



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 the certified and approved designs for this structure: that the fill structure 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, Registered Professional Engineer, State of Utah**

(Full Name and Title)

Signature: *Dan W. Guy* Date: 12/18/13

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date 12/18/2013	
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	18-Dec-13		
Inspected By	Dan W. Guy, P. E. (Accompanied by B. Kirk Nicholes)		
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: 6912.26 (1.26') 100% Elevation: 6913.03 (2.03') The pond contained approximately 4' of water (frozen). The sediment marker is in place. Field observation shows the sediment level to be well below the cleanout elevation. The approximate sediment elevation is 6911.0. Some sediment buildup is evident at the south inlet.		
	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: 3.1 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 out slopes of embankments, etc.

The water level is approximately at elevation 6915.0. Rip-rap has been placed on both inlets. The outlet culvert, which serves as both principle and emergency outlet, is open and functional. There is no discharge from the pond. A berm has been installed on the upper side of the pond.

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 was that the pond was frozen.

**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: 12/18/13

**IMPOUNDMENT INSPECTION AND REPORT**

<b>Permit Number</b>	C/025/0005	<b>Report Date</b>	12/18/2013
<b>Mine Name</b>	Coal Hollow Mine		
<b>Company Name</b>	Alton Coal Development, LLC		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Pond 1B	
	<b>Impoundment Number</b>	Pond 1B	
	<b>MSHA Mine ID Number</b>	42-02519	

**IMPOUNDMENT INSPECTION**

<b>Inspection Date</b>	18-Dec-13
<b>Inspected By</b>	Dan W. Guy, P.E. (Accompanied by B. Kirk Nicholes.)
<b>Reason for Inspection</b> (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.

Sediment Storage Capacity:  
60 % Elevation: 6900.00 (6.00')  
100% Elevation: 6902.08 (8.08')

The pond contained approximately 8' of water (frozen). The sediment marker is in place. Field observation shows the sediment level to be well below the cleanout elevation. The approximate sediment elevation is 6893.0.

3. Principle and emergency spillway elevations.

Principle and Emergency Spillway Elevation: 6906 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 6900.5. There are 2 inlets to the pond - both have been rip-rapped. Both inlets appear stable and are functioning properly. 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 only change to the pond since the last inspection is that it is frozen.

**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: 12/18/13

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date	12/18/13
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	18-Dec-13		
Inspected By	Dan W. Guy, P.E. (Accompanied by B. Kirk Nicholes.)		
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. Sediment Storage Capacity: 60 % Elevation: 6894.07 (3.07') 100% Elevation: 6895.72 (4.72')  The pond contained approximately 3' of water (frozen). 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 6890.0.		
	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: 1.70 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 is rip-rapped. The outlet is open and functional. No other problems were noted during 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 in the pond since the last inspection was a decrease in the water level and the pond is frozen.

**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: 12/18/13

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date	12/18/13
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	18-Dec-13		
Inspected By	Dan W. Guy, P.E. (Accompanied by B. Kirk Nicholes.)		
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: 6807.80 (7.74')            100% Elevation: 6808.50 (8.44')</p> <p>The pond contained approximately 5.5' of water. The sediment marker is in place, and field observation shows the sediment level to be well below the cleanout elevation. The approximate average sediment elevation is 6799.3.</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: 12.96 Acre-Feet (Elev. 6811.00')</p> <p>Required runoff storage: 6.72 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 6806.0. Permanent Inlet Ditch 4 has been installed and is functional. The open-channel spillway has been rebuilt and rip-rapped. 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.

The pond has been enlarged to 12.96 ac-ft capacity and recertified. The only change since the last inspection is the decrease in water level and the pond is frozen.

**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:  Date: 12/18/13

IMPOUNDMENT INSPECTION AND REPORT			
Permit Number	C/025/0005	Report Date	12/18/13
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	18-Dec-13		
Inspected By	Dan W. Guy, P.E. (Accompanied by B. Kirk Nicholes.)		
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: 6832.0 (3.78')            100% Elevation: 6833.0 (4.82')</p> <p>The pond contained approximately 2.5' 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 6828.2.</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle and Emergency Spillway Elevation: 6834 feet (The outlet structure for Pond 4 serves as both the Principle and Emergency Spillways)</p> <p>Total volume of pond at Spillway: 5.50 Acre-Feet (Elev. 6834.00')</p> <p>Required runoff storage: 2.10 Acre-Feet</p>		

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

The average water elevation is approximately 6830.5. The open-channel spillway is in place and rip-rapped. 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.

The only change since the last inspection is a slight increase in the water level and the pond is frozen.

**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: 12/18/13

DWR, Transportation & Communications (Kirk  
Nicholes – Instructor)

Group 1

Adam Allen Adam Allen

Stephanie Fountain Stephanie Fountain

Justin Judd Justin Judd

Tom A. Spencer Tom A. Spencer

Vance Brown Vance Brown

Group 2

Joshua Sawyer Joshua Sawyer  
Mason Campbell Mason Campbell

Kory Heaton Kory Heaton

Nick Lamb Nick Lamb

Tom P. Spencer Tom P. Spencer

Group 3

Jack Church Jack Church

Robert Hill Robert Hill

Kevin Mattson Kevin Mattson

Ron Tait Ron Tait

JONATHAN  
WILLIAMSON Jonathan Williamson

Group 4

Norris Church Norris Church

Skylar Huntington Skylar Huntington

Rod Russell Rod Russell

Archie Willie Archie Willie

Group 5

Scott Crofts Scott Crofts

Wes Huntington Wes Huntington

James Sexton James Sexton

Chet Ruth Chet Ruth

**Group 6**

Sean Esplin Sean Esplin

David Jones David Jones

Dan Spencer Dan Spencer

Rick Atwood \_\_\_\_\_

**Extras**

---

---

---

---

---

# Alton Coal Development Wildlife Awareness

---

- Objective: Protection of resident wildlife, minimize impact to wildlife during mining.
    - Speed limits of all vehicles will be 25 mph inside the permit area.
    - No operations will be conducted that would likely jeopardize T&E species.
    - Electric power lines and other transmission facilities are designed and constructed to minimize electrocution hazards to raptors.
-

# **Alton Coal Development Wildlife Awareness cont.**

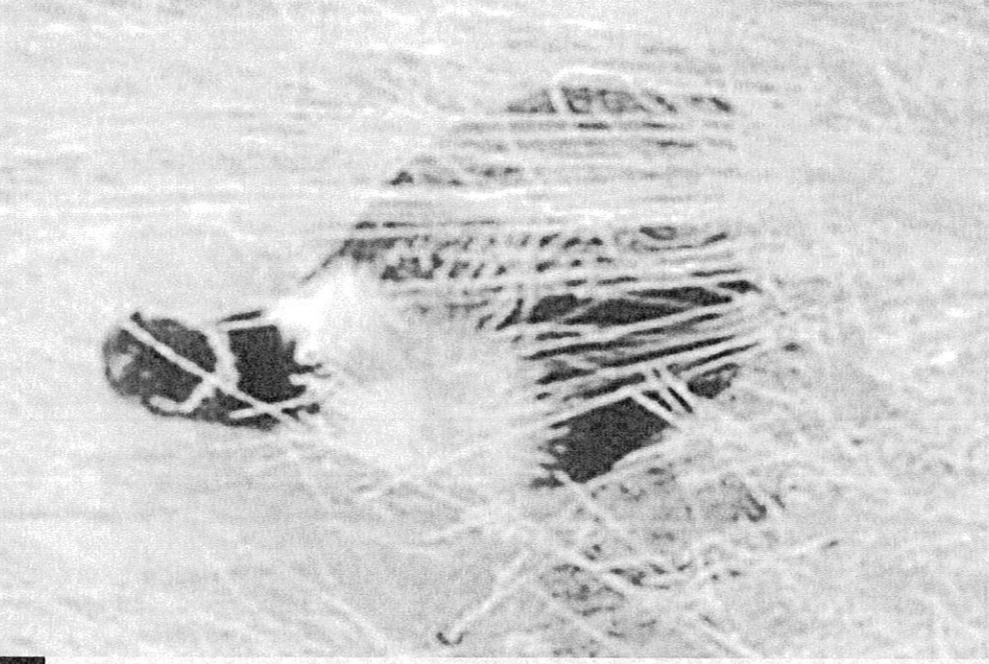
---

- The mine site is considered habitat for:
    - Deer (mid April to mid November)
    - Elk (mid April to mid November)
    - Black Bear
    - Sage grouse (throughout the year, report to Kirk)
  - Wildlife and domestic livestock mortalities from coal haul and associated vehicles from the mine site to highway 89 reported to the Environmental Specialist.
-

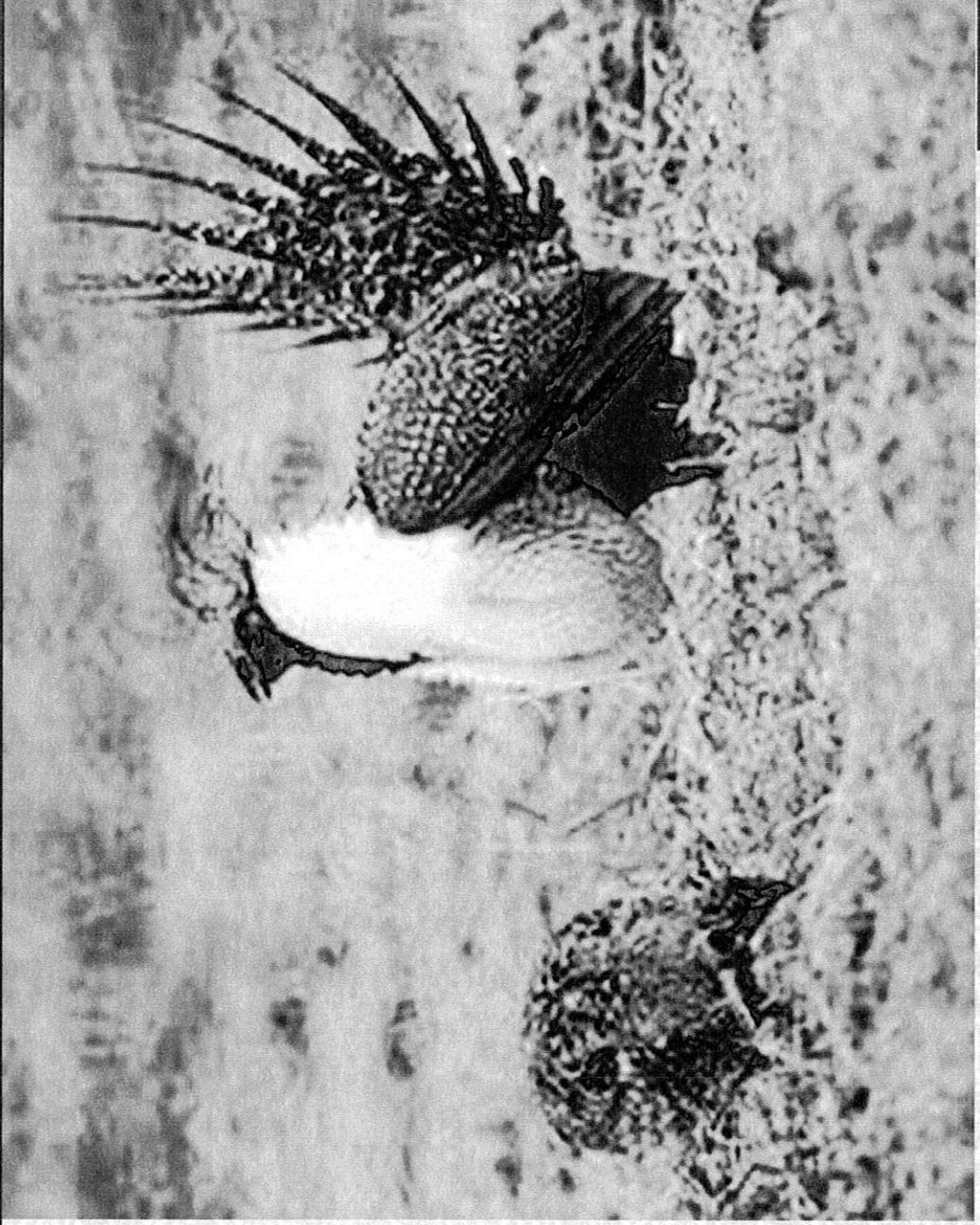
# Alton Coal Development Wildlife Awareness cont.



# **Alton Coal Development Wildlife Awareness cont.**



# **Alton Coal Development Wildlife Awareness cont.**



# Alton Coal Development Wildlife Awareness cont.



© Cameron Aldridge



# PETERSEN HYDROLOGIC

6 February 2014

Mr. Kirk Nicholes  
Environmental Specialist  
Alton Coal Development, LLC  
463 North 100 West, Suite 1  
Cedar City, Utah 84721

Kirk,

At your request, I have performed an evaluation of Coal Hollow Mine water discharges during 2013 as specified in Stipulation #5 of the approved Coal Hollow Mine Mining and Reclamation Plan. The stipulation states the “the applicant will be required to evaluate discharges from the mine to determine impacts to the designated AVF on Kanab Creek. An annual finding should be placed in the annual report during operation and reclamation of any adverse impacts to the channel, diminution of water quality and impacts to wildlife.”

During 2013 there were no discharges of mine water to surface water drainages at the Coal Hollow Mine. Accordingly, there were no impacts to the stream channel, diminution of water quality, or impacts to wildlife associated with the discharge of mine water at the Coal Hollow Mine.

Please feel free to contact me should you have any questions in this regard.

Sincerely,

Erik C. Petersen, P.G.  
Principal Hydrogeologist  
Utah PG #5373615-225

