



OGMCOAL DNR <ogmcoal@utah.gov>

0250005 Coal Hollow NOV 21174 Spoil and Pond Certifications and Letter from the Kane County

Priscilla Burton <priscillaburton@utah.gov>

Wed, Apr 13, 2016 at 10:02 AM

To: "cherylparker@utah.gov" <cherylparker@utah.gov>, Keenan Storrar <kstorrar@utah.gov>, Daron Haddock <daronhaddock@utah.gov>

Cc: OGMCOAL DNR <ogmcoal@utah.gov>

----- Forwarded message -----

From: **Kirk Nicholes** <knicholes@altoncoal.com>

Date: Tue, Apr 12, 2016 at 4:42 PM

Subject: NPL Certifications and Letter from the Kane County

To: "Priscilla Burton (priscillaburton@utah.gov)" <priscillaburton@utah.gov>, "Daron Haddock (daronhaddock@utah.gov)" <daronhaddock@utah.gov>

Cc: Andrew Christensen <drew@altoncoal.com>, "Dragoo, Denise" <ddragoo@swlaw.com>, Larry Johnson <ljohnson@altoncoal.com>

Pricilla,

Attached are the Spoil Pile and Pond Certifications for the NPL and the letter from Kane County as we discussed this morning.

Thank You

Kirk Nicholes

Environmental Specialist

Alton Coal Development, LLC

463 N 100 W, Suite 1

Cedar City, Ut 84721

T [435-867-5331](tel:435-867-5331)

M [435-691-1551](tel:435-691-1551)

3 attachments

 **NPL 1st Qtr Spoil Pile Inspection.pdf**

861K



NPL As-Constructed Certifications.pdf

2623K



REROUTE_TRANSPORTATION LETTER_4122016.pdf

434K



**Kane County GIS/Transportation Dept.
Kane County Courthouse**

**76 N. Main St.
Kanab, Utah 84741
(435)-644-4968 (OFFICE)
(435) 644-2052 (FAX)
gis@kane.utah.gov**

April 12, 2016

Larry Johnson
Alton Coal Development, LLC
463 North 100 West, Suite 1
Cedar City, Utah 84720

Re: County Road K3900

Mr. Johnson:

This letter follows up on our letter to you dated December 15, 2015 which confirms Kane County's agreement to the relocation of a section of Kane County Road K3900 to allow mining activity within the North Private Lease area of the Coal Hollow Mine. All necessary approvals are in place for the road relocation and the easement for the relocated section of the County road has been acquired by the County by Grant of Easement for County Road K3900, dated September 18, 2015, between the Heaton Brothers, LLC, Alton Coal Development, LLC and Kane County. Construction specifications to be followed are generally outlined in an earlier agreement between Alton Coal Development, LLC and Kane County regarding relocation of the portion of County Road K-3900 involving the Sink Valley Road. The County understands that while the bypass road is being constructed, the existing portion of County Road K3900 located within the North Private Lease area will remain in place for public use. Alton Coal has addressed public safety issues to the satisfaction of Kane County and the County has agreed to allow public travel on the road within 100 feet of mining. Specifically, the operator has fenced the road in the area of mining operations and has installed stop signs and warning signs in the area of truck traffic. When operations require mine trucks to cross the public road, those mine trucks are required to stop before entering the county road. Mine personnel have provided stop signs and warning signs to direct traffic to assure safe, unescorted access on this segment of the public road. Alton Coal will notify the County when the bypass road is completed and the existing segment of public road will be closed and temporarily relocated to the new bypass road.

Sincerely,

Louis Pratt
Kane County GIS / Transportation Director

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

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
 Telephone (801) 538-5340 facsimile (801) 359 3940 TTY (801) 538-7458
www.ogm.utah.gov



Quarterly Inspection Form - Refuse Disposal Areas

(please provide to DOGM promptly after inspection is complete)

Permit Number : C/025/0005 Inspection Date : 03/31/16
 Mine Name : Temporary Spoil Pile - North Private Leas Quarter / Year : 1st / 2016
 Mine Operator (Permittee) : Coal Hollow Project - Alton Coal Develo Inspector Name : Dan W. Guy
 MSHA ID # : 42-02519 Inspector Signature : *Dan W. Guy*
 Facility Name / Location / Address : 2060 South Alton Road, Alton, UT 84710

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes):
Western section of pile just started. Approximately 15,000 cy in place.

2. Lift Height / Thickness Avg 4.0' Maximum 4.0' # _____ Elevation of Active Benches : 6900 , _____ , _____
 3. Vertical Angle of Outslope(s) / Location(s) where measured N/A Not Graded / _____ / _____
 4. Total storage capacity: 506,000 cy Remaining storage capacity 491,000 cy Volume placed during year : 15,000 cy
 5. Describe foundation preparation (including removal of vegetation, stumps, topsoil, and all other organic material) :
Vegetation removed. Topsoil and subsoil removed and stored on site. Orange marker placed beneath active pile area on western section..

6. Describe placement and compaction of fill materials (including an explanation of how compaction is confirmed) :
Dumped by truck. Will be graded and pushed by dozer. Compaction will be primarily from large truck.s, and later tested with nuclear density unit.

7. Is there any evidence of fires or burning on the structure ? (If YES, specify extent, location, and abatement/extinguishment of such fires) :
None

8. Describe placement of under drains, protective filter systems, and final surface drainage systems (report any seepage, including location, color, flow) :
None

9. Describe any appearances of instability, structural weakness, or other hazardous conditions :
No instability noted.

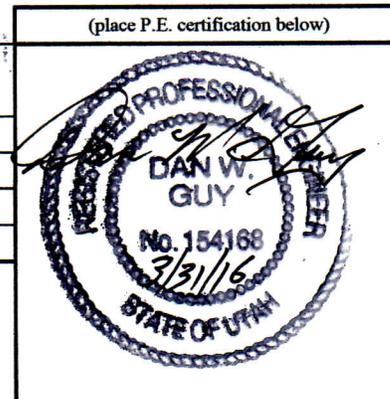
10. Please provide any other information pertaining to the stability of the structure (attach any photos taken during the inspection)

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

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

Are design standards established within the mining and reclamation plan for the disposal facility being met ?
Yes

Proctor Determination : N/A - New pile - Not yet graded or tested.



I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

APPENDIX 5-12

HYDROLOGY AND RUNOFF CONTROL

NORTH LEASE AREA

COAL HOLLOW MINE



DECEMBER 2015

(REVISED APRIL 1, 2016)

To Whom it May Concern:

I, Dan W. Guy, Registered Professional Engineer, State of Utah No. 154168, have completed 3 construction inspections on the Alton Coal Development, LLC, North Private Lease Sediment Pond No. 5. The inspection dates and results are as follows:

- 3/11/16 - Pond staking is complete. Silt fence is installed. Beginning of topsoil removal.
- 3-15/16 - Topsoil removal complete. Beginning of pond excavation.
- 3/31/16 - Final inspection. As-built survey completed this date.

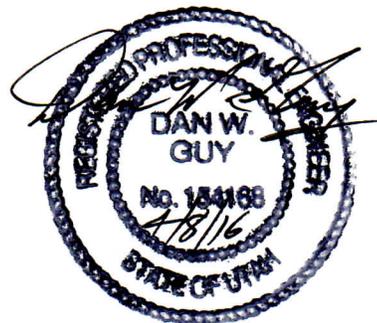
Minor items needing correction during the final inspection were completed prior to the final survey of the pond. The as-constructed stage-volume data was supplied to me on 4/1/16. At that time, I informed the Alton Coal personnel that the pond had adequate volume and based on my inspection, I would certify it as such. I provided a statement of certification in revised Appendix 5-12, as of that date. I also received the as-constructed Pond 5 Drawing 5-67A and certified it as of that date.

I hereby certify that the above inspections were completed by me during the construction of Sediment Pond No. 5.



Dan W. Guy

April 8, 2016



To Whom it May Concern:

I, Dan W. Guy, Registered Professional Engineer, State of Utah No. 154168, have completed 3 construction inspections on the Alton Coal Development, LLC, North Private Lease Sediment Pond No. 6. The inspection dates and results are as follows:

- 3/11/16 - Pond staking is complete. Silt fence is installed. Topsoil removal under way.
- 3-15/16 - Topsoil removal complete. Pond excavation under way.
- 3/31/16 - Final inspection. As-built survey completed this date.

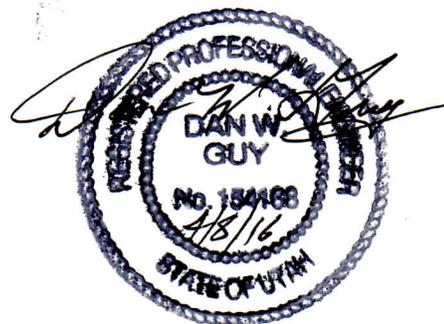
Minor items needing correction during the final inspection were completed prior to the final survey of the pond. The as-constructed stage-volume data was supplied to me on 4/1/16. At that time, I informed the Alton Coal personnel that the pond had adequate volume and based on my inspection, I would certify it as such. I provided a statement of certification in revised Appendix 5-12, as of that date. I also received the as-constructed Pond 6 Drawing 5-68A and certified it as of that date.

I hereby certify that the above inspections were completed by me during the construction of Sediment Pond No. 6.



Dan W. Guy

April 8, 2016





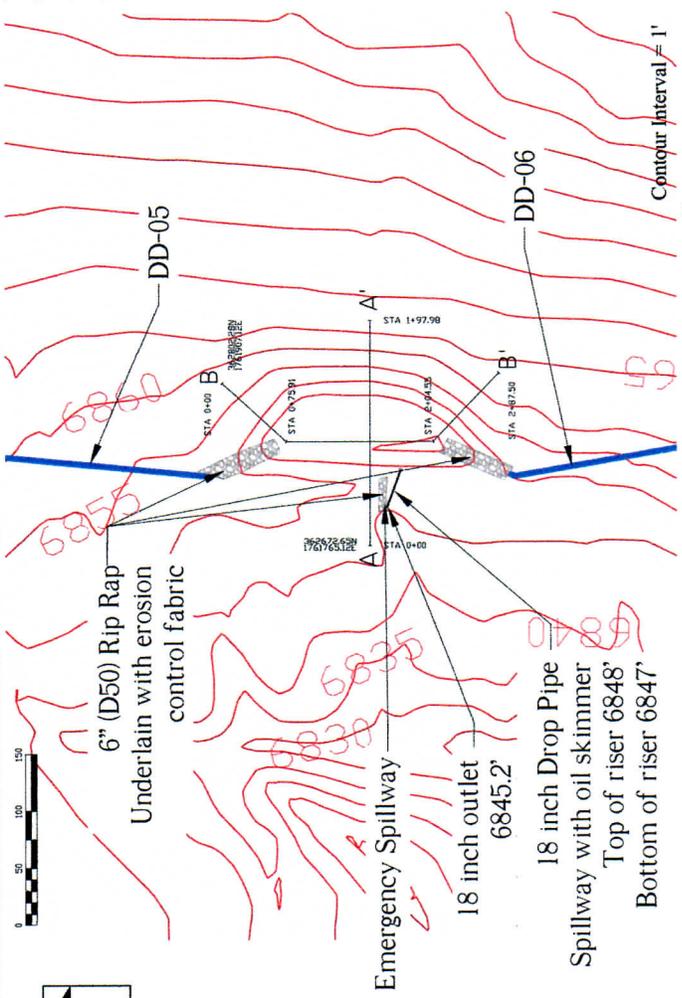
SEDIMENT
IMPOUNDMENT 5
AS-BUILT DETAILS
PROJECT
ALTON, UTAH
DRAWING: 5-67A

REVISIONS	
DATE:	XX/XX/XX
BY:	XX

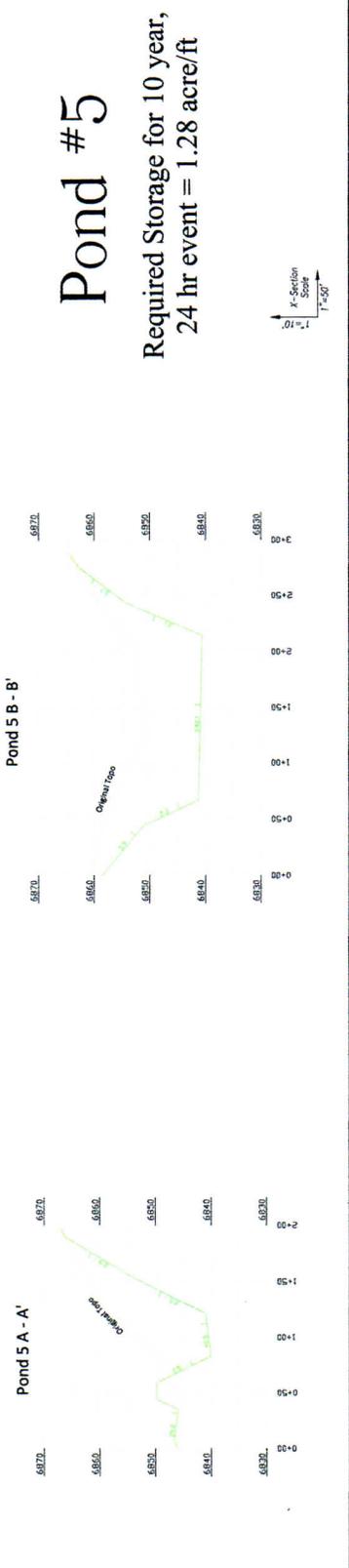
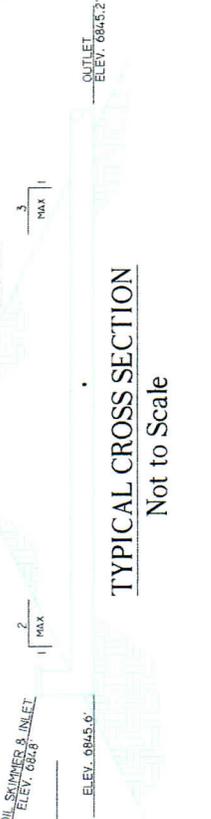
DRAWN BY:	A. CHRISTENSEN
CHECKED BY:	DG
DRAWING:	5-67A
DATE:	3/31/2016
SCALE:	1" = 50'
SHEET:	1400
JOB NUMBER:	1400

As-Built Pond Storage Volumes

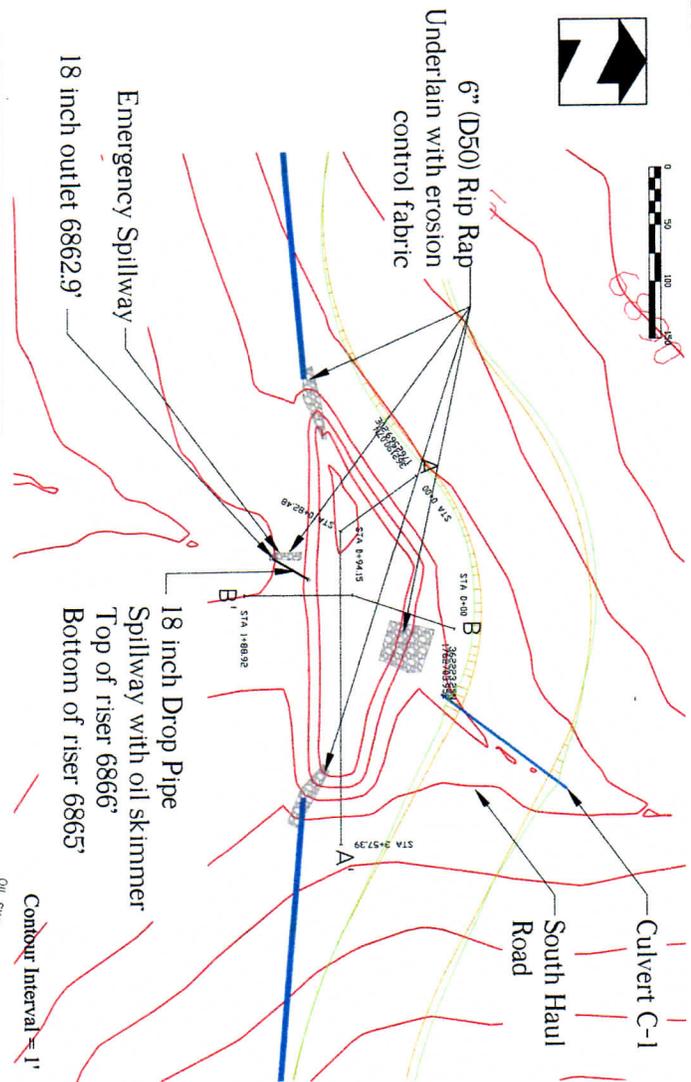
Sediment Control Structure No. 5				
Water Elev (ft)	Area (Acres)	Average Area (Acre-Ft)	Volume Accumulated (Acre-Ft)	Stage
6840.00	0.010	-	-	Bottom Pond
6841.00	0.103	0.057	0.057	
6842.00	0.137	0.120	0.176	
6843.00	0.161	0.149	0.325	60% Sediment Cleanup
6844.00	0.184	0.172	0.497	Max Sediment Level
6845.00	0.207	0.195	0.692	
6846.00	0.232	0.220	0.912	
6847.00	0.259	0.246	1.158	
6848.00	0.292	0.276	1.434	Principle Spillway
6849.00	0.329	0.310	1.744	Emergency Spillway
6850.00	0.363	0.346	2.090	Top of Dike



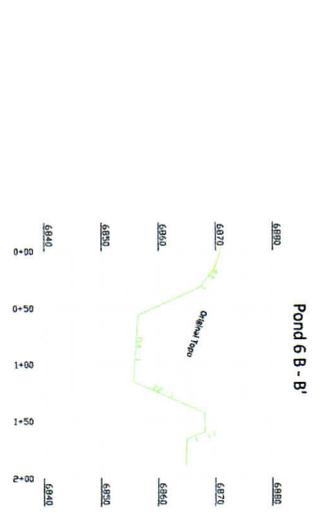
Note:
Permit Area 1 currently proposed for inclusion in amended MRP. Permit Areas 2 and 3 remain under review. See Drawings 5-46 & 5-47 for Area Boundaries.



1" = 50'
X-Section Scale



Note:
Permit Area 1 currently proposed for inclusion in amended MRP. Permit Areas 2 and 3 remain under review. See Drawings 5-46 & 5-47 for Area Boundaries.



As Built Pond Storage Volumes			
Sediment Control Structure No. 6			
Water Elev (ft)	Area (Acres)	Average Area	Volume (Acre-Ft)
6855.00	0.024	-	-
6856.00	0.106	0.065	0.065
6857.00	0.258	0.182	0.182
6858.00	0.298	0.278	0.278
6859.00	0.330	0.314	0.314
6860.00	0.360	0.345	0.345
6861.00	0.391	0.376	0.376
6862.00	0.419	0.405	0.405
6863.00	0.449	0.434	0.434
6864.00	0.479	0.464	0.464
6865.00	0.510	0.495	0.495
6866.00	0.544	0.527	0.527
6867.00	0.586	0.565	0.565
6868.00	0.635	0.610	0.610
			1.439
			1.873
			2.338
			2.832
			3.359
			3.924
			4.534
			5.183
			5.872
			6.601
			7.370
			8.179
			9.028
			9.917
			10.846
			11.815
			12.824
			13.873
			14.962
			16.091
			17.260
			18.469
			19.718
			21.007
			22.336
			23.705
			25.114
			26.563
			28.052
			29.581
			31.150
			32.759
			34.408
			36.097
			37.826
			39.595
			41.404
			43.253
			45.142
			47.071
			49.040
			51.049
			53.098
			55.187
			57.316
			59.485
			61.694
			63.943
			66.232
			68.561
			70.930
			73.339
			75.788
			78.277
			80.806
			83.375
			85.984
			88.633
			91.322
			94.051
			96.820
			99.629
			102.478
			105.367
			108.296
			111.265
			114.274
			117.323
			120.412
			123.541
			126.710
			129.919
			133.168
			136.457
			139.786
			143.155
			146.564
			150.013
			153.502
			157.031
			160.600
			164.209
			167.858
			171.547
			175.276
			179.045
			182.854
			186.703
			190.592
			194.521
			198.490
			202.499
			206.548
			210.637
			214.766
			218.935
			223.144
			227.393
			231.682
			236.011
			240.380
			244.789
			249.238
			253.727
			258.256
			262.825
			267.434
			272.083
			276.772
			281.501
			286.270
			291.079
			295.928
			300.817
			305.746
			310.715
			315.724
			320.773
			325.862
			330.991
			336.160
			341.369
			346.618
			351.907
			357.236
			362.605
			368.014
			373.463
			378.952
			384.481
			390.050
			395.669
			401.328
			407.037
			412.786
			418.575
			424.404
			430.273
			436.182
			442.131
			448.120
			454.149
			460.218
			466.327
			472.476
			478.665
			484.894
			491.163
			497.472
			503.821
			510.210
			516.639
			523.108
			529.617
			536.166
			542.755
			549.384
			556.053
			562.762
			569.511
			576.300
			583.129
			590.008
			596.927
			603.886
			610.885
			617.924
			625.003
			632.122
			639.281
			646.480
			653.719
			660.998
			668.317
			675.676
			683.075
			690.514
			698.003
			705.532
			713.101
			720.710
			728.359
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			743.777
			751.546
			759.355
			767.204
			775.093
			783.022
			791.001
			799.020
			807.079
			815.178
			823.317
			831.496
			839.715
			847.974
			856.273
			864.612
			873.001
			881.430
			889.909
			898.438
			906.917
			915.446
			924.015
			932.624
			941.273
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			967.460
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			994.007
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			1029.963
			1039.052
			1048.181
			1057.350
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			1094.466
			1103.845
			1113.264
			1122.723
			1132.222
			1141.761
			1151.340
			1160.959
			1170.618
			1180.317
			1190.056
			1200.835
			1211.654
			1222.513
			1233.412
			1244.351
			1255.330
			1266.349
			1277.408
			1288.507
			1299.646
			1310.825
			1322.044
			1333.303
			1344.602
			1355.941
			1367.320
			1378.739
			1390.188
			1401.677
			1413.206
			1424.775
			1436.384
			1448.033
			1459.722
			1471.451
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			1495.029
			1506.878
			1518.767
			1530.696
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			2136.519
			2150.368