OGMCOAL DNR <ogmcoal@utah.gov>

0250005 Coal Hollow Bond Release Subsoil calculations for BRP1-13

Priscilla Burton <priscillaburton@utah.gov> Thu, Feb 15, 2018 at 1:10 PM
To: Justin Eatchel <jeatchel@utah.gov>, OGMCOAL DNR <ogmcoal@utah.gov>

---------- Forwarded message ----------
From: **Kirk Nicholes** <knicholes@altoncoal.com>
Date: Thu, Feb 15, 2018 at 12:51 PM
Subject: RE: Subsoil calculations for BRP1-13
To: Priscilla Burton <priscillaburton@utah.gov>

Priscilla,

Drew has cut the various areas subsoiled, not subsoiled and not disturbed with-in BRP1-13 based on Joes final surveys. A big difference is the width of the haul road from what I had calculated. I've attached his drawing and summary table to show all acreage and cubic yard calculations for the various polygons. Based on this information I revised Appendix 2-2 and have attached it also. Also, below I have added in blue answers to your specific questions.

Kirk

From: Priscilla Burton [mailto:priscillaburton@utah.gov]
Sent: Tuesday, February 13, 2018 4:03 PM
To: Andrew Christensen <drew@altoncoal.com>
Cc: Kirk Nicholes <knicholes@altoncoal.com>; Justin Eatchel <jeatchel@utah.gov>
Subject: Subsoil calculations for BRP1-13

Hello Drew,

Please look over my review of the BRP1-13 application and respond to the highlighted statements with the following information:

Is Pit 10 area equal to 8.8 acres as described in the bonding spreadsheet? Yes

Roughly, how many acres of Pit 10 were not disturbed? 0.7 acres

Roughly, How many acres of pit 10 remain in use as mine access roads? Approximately 1.43 acres

Could you confirm whether Pit 10 is within Area 1 extended or in Surf 2 or parts of both as shown on Dwg 5-53. Drawing 5-77 shows the bond release polygon for Pit 10. Pit 10 is split by Areas 1 and Area 2. No part of it is within Surf 2.

Thank you,

Priscilla Burton, MS, CPSSc

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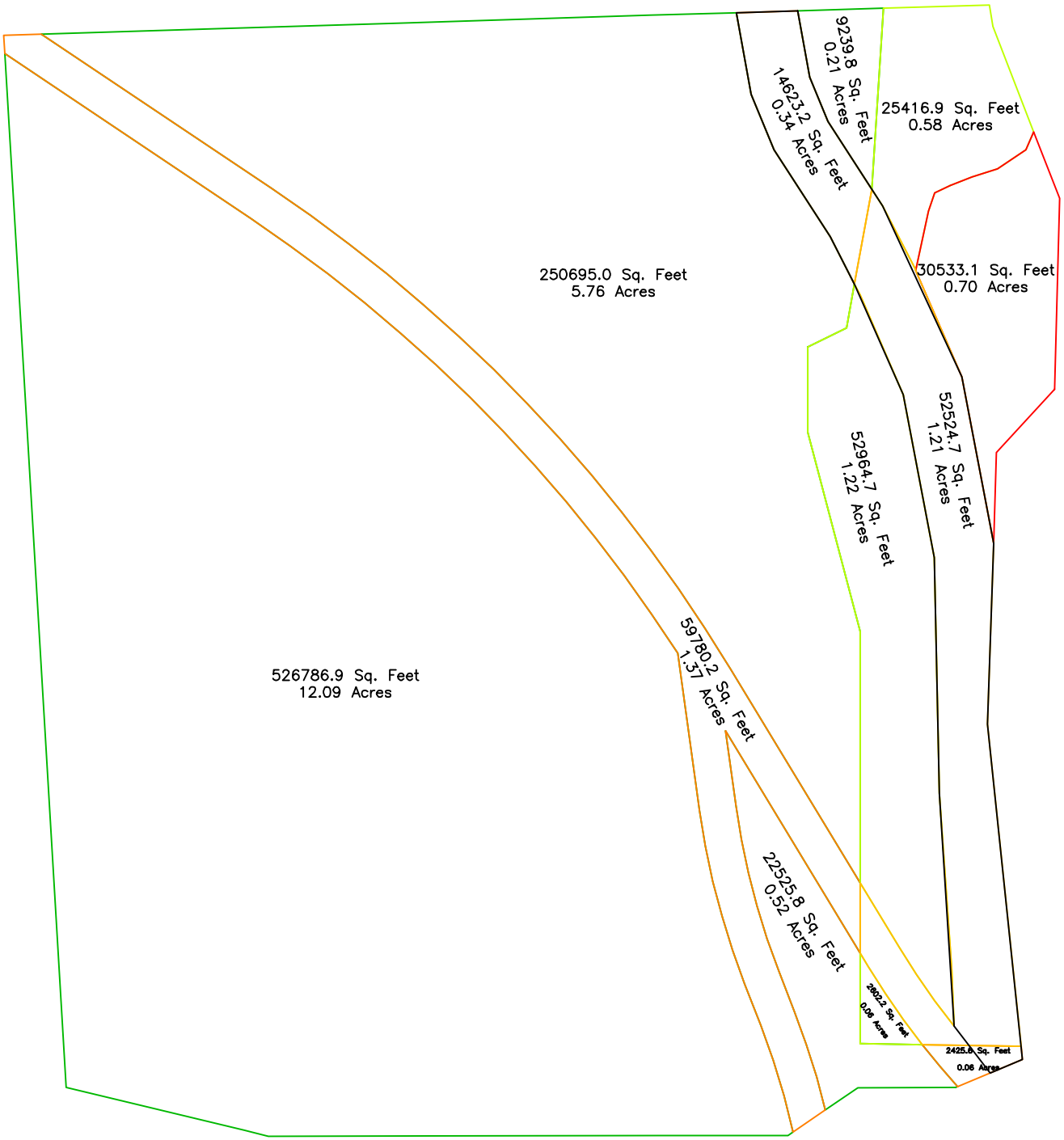
2 attachments

BRP_1-13_SoilPolygons_20180214.pdf
74K

CHAPTER 2, Appendix 2-7 (BRP1-13)_revised.pdf
59K


9239.8 Sq. Feet
0.21 Acres
14623.2 Sq. Feet
0.34 Acres
25416.9 Sq. Feet
0.58 Acres
250695.0 Sq. Feet
5.76 Acres
30533.1 Sq. Feet
0.70 Acres
52524.7 Sq. Feet
1.21 Acres
52964.7 Sq. Feet
1.22 Acres
59780.2 Sq. Feet
1.37 Acres
526786.9 Sq. Feet
12.09 Acres
22525.8 Sq. Feet
0.52 Acres
2802.2 Sq. Feet
0.06 Acres
2425.6 Sq. Feet
0.06 Acres

BRP1-13

Area1					
			Subsoil Applied		
	sqft	Acres	inches	feet	cyds
	526786.9	12.09	30	2.5	48,777
	250695	5.76	30	2.5	23,213
	22525.8	0.52	30	2.5	2,086
	9239.8	0.21	30	2.5	856
	2425.6	0.06	30	2.5	225
County/McDonald	59780.2	1.37	0	0	0
Haul Road	14623.2	0.34	0	0	0
Total Area1	886,077	20.34			75,155

Area1					
			Topsoil Applied		
	sqft	Acres	inches	feet	cyds
Seeded Oct 2017	203103.8	4.66	18	1.5	11,284
Total Area1	203,104	4.66			11,284

Area2					
			Subsoil Applied		
	sqft	Acres	inches	feet	cyds
	25416.9	0.58	37	3.1	2,903
	52964.7	1.22	37	3.1	6,048
	2602.2	0.06	37	3.1	297
Haul/County	52524.7	1.21	0	0	-
Undisturbed	30533.1	0.70	0	0	0
Total Area2	164,042	3.77			9,248

Area2					
			Topsoil Applied		
	sqft	Acres	inches	feet	cyds
			11	0.9	
Total Area2	-	0.00			-

Total BRP1-13		24.107			84,403

Total BRP1-13					11,284

NPL AREA 1	Topsoil Stockpile	Subsoil Stockpile
Starting Stockpile Volume	74,953	41,378

BRP 1-10 = 12.21 ACRES

Source	NL Topsoil	Livehaul Topsoil*	Total Topsoil	NL Subsoil	Livehaul Subsoil	Total Subsoil	
	CY	CY	CY	CY	CY	CY	CY
Stockpile volume utilized	18,784	0	18,784	14,071	8,459	22,530	
Suitable spoil**							33,283
Remaining stockpile volume	56,169			27,307			

*Livehaul source: Area 1

**Suitable Spoil: Surface two feet of 9.38 acres represented by Soil Sample Pits 1, 2, and 3.5N

***Average topsoil cover depth 1.08 ft.

****Subsoil redistribution depth as shown on Drawing 5-76a

Added to stockpile with addition of Area 1 Extended

Source	NL Topsoil	Livehaul Topsoil*	Total Topsoil	NL Subsoil	Livehaul Subsoil	Total Subsoil	
	CY	CY	CY	CY	CY	CY	CY
Stockpile volume added	0	0	0	36,000	0	36,000	
Remaining stockpile volume	56,169			63,307			

BRP 1-12 = 16.25 ACRES

Source	NL Topsoil	Livehaul Topsoil*	Total Topsoil	NL Subsoil	Livehaul Subsoil*	Total Subsoil	
	CY	CY	CY	CY	CY	CY	CY
Stockpile volume utilized	2,968	26,205	29,173	32,919	32,410	65,329	
Suitable spoil**							968
Remaining stockpile volume	53,201			30,388			

*Livehaul source: Area 1 extended

**Suitable Spoil: Surface 6 inches of 9.38 acres represented by Soil Sample Pits 4

***Subsoil redistribution depth as shown on Drawing 5-76a.

Added to stockpile with addition of Area 2

Source	NL Topsoil	Livehaul Topsoil*	Total Topsoil	NL Subsoil	Livehaul Subsoil	Total Subsoil	
	CY	CY	CY	CY	CY	CY	CY
Stockpile volume added	0	0	0	19,287	0	19,287	
Remaining stockpile volume	53,201			49,675			

BRP 1-13 = 24.107 ACRES

Source	NL Topsoil	Livehaul Topsoil*	Total Topsoil**	NL Subsoil	Livehaul Subsoil*	Total Subsoil	
	CY	CY	CY	CY	CY	CY	CY
Stockpile volume utilized	4,207	7,077	11,284	0	84,403	84,403	
Suitable spoil							0
Remaining stockpile volume	48,994			49,675			

*Livehaul source: Area 2

** At date of bond release application (1/5/2018) approx. 4.7 acres of BRP1-13 has been topsoiled