

Attachment 2.05.4(2)(c)-7
Post Mine Overburden and Backfill Balance Table

Final New Horizon Mine

Mining Cut	Mining Pit Area (acres)	Volume Excavated (CY) ²	Coal Volume (CY) ³	OB & Topsoil Volume (CY) ⁴	OB & Topsoil Volume w/Swell (CY) ⁵	Backfill Required (CY) ⁶	Cast Blasted Material From Following Cut (CY) ⁷	Hauled Material from Following Cut (CY) ⁸	Additional Material (CY) ⁹	Remaining Backfill Required (CY) ¹⁰	Excess Backfill (CY) ¹¹	Backfill Source
85 ¹	8.40	968,606	81,312	887,294	958,278	801,871	148,875	843,627		0	190,631	Mining cut is completely backfilled with material from the following cut.
86	8.70	1,003,199	84,216	918,983	992,502	830,509	155,720	882,414		0	207,625	Mining cut is completely backfilled with material from the following cut.
87	9.10	1,049,323	88,088	961,235	1,038,134	868,693	157,431	892,111		0	180,849	Mining cut is completely backfilled with material from the following cut.
88	9.20	1,060,854	89,056	971,798	1,049,542	878,239	154,009	872,717		0	148,487	Mining cut is completely backfilled with material from the following cut.
89	9.00	1,037,792	87,120	950,672	1,026,726	859,147	150,586	853,323		0	144,763	Mining cut is completely backfilled with material from the following cut.
90	8.80	1,014,730	85,184	929,546	1,003,910	840,055	150,586	853,323		0	163,855	Mining cut is completely backfilled with material from the following cut.
91	8.80	1,014,730	85,184	929,546	1,003,910	840,055	148,875	843,627		0	152,447	Mining cut is completely backfilled with material from the following cut.
92	8.70	1,003,199	84,216	918,983	992,502	830,509	145,453	824,233		0	139,177	Mining cut is completely backfilled with material from the following cut.
93	8.50	980,137	82,280	897,857	969,686	811,417	145,453	824,233		0	158,269	Mining cut is completely backfilled with material from the following cut.
94	8.50	980,137	82,280	897,857	969,686	811,417	77,004	436,359	312,078	0	14,025	Excess backfill from cuts 94, 95, 96, 98, 99, 100, 101, 103, 104, 105 and 106
95	4.50	518,896	43,560	475,336	513,363	429,574	65,026	368,481		0		All excess backfill used in Cut-94. Backfilled from following cut.
96	3.80	438,179	36,784	401,395	433,507	362,751	61,604	349,087		0		All excess backfill used in Cut-94. Backfilled from following cut.
97	3.60	415,117	34,848	380,269	410,690	343,659	44,491	252,118	53,548	0	6,499	Excess backfill from cut 107. Backfilled from following cut.
98	2.60	299,807	25,168	274,639	296,610	248,198	44,491	252,118		0		All excess backfill used in Cut-94. Backfilled from following cut.
99	2.60	299,807	25,168	274,639	296,610	248,198	49,625	281,209		0		All excess backfill used in Cut-94. Backfilled from following cut.
100	2.90	334,400	28,072	306,328	330,834	276,836	44,491	252,118		0		All excess backfill used in Cut-94. Backfilled from following cut.
101	2.60	299,807	25,168	274,639	296,610	248,198	42,780	242,421		0		All excess backfill used in Cut-94. Backfilled from following cut.
102	2.50	288,276	24,200	264,076	285,202	238,652	34,224	193,937	11,290	0	799	1/6 th of the backfill from cut 108 is used to backfill. See Additional Material column
103	2.00	230,620	19,360	211,260	228,161	190,922	27,379	155,150	8,467	0	75	1/8 th of the backfill from cut 108 is used to backfill. See Additional Material column.
104	1.60	184,496	15,488	169,008	182,529	152,737	25,668	145,453		0		All excess backfill used in Cut-94. Backfilled from following cut.
105	1.50	172,965	14,520	158,445	171,121	143,191	23,957	135,756		0		All excess backfill used in Cut-94. Backfilled from following cut.
106	1.40	161,434	13,552	147,882	159,713	133,645	25,668	145,453		0		All excess backfill used in Cut-94. Backfilled from following cut.
107	1.50	172,965	14,520	158,445	171,121	143,191	30,802	174,543		0		All excess backfill used in Cut-97 and Cut-99B. Backfilled from following cut.
108	1.80	207,558	17,424	190,134	205,345	171,829	35,935	203,634		0		Excess backfill used in Cut-98B. Backfilled from following cut.
109	2.10	242,152	20,328	221,824	239,569	200,468	44,491	252,118		0		Some excess used to backfill Cut-98B, and the rest will be used to backfill Cut-99B. Backfilled from following cut.
110	2.60	299,807	25,168	274,639	296,610	248,198	39,358	223,028		0		All excess backfill used in Cut-99B. Backfilled from following cut.
111	2.30	265,214	22,264	242,950	262,386	219,560	0	0	219,560	0	0	Remaining Mt. Nucla used for backfill.
Cuts on Morgan Property												
95B	3.00	345,931	29,040	316,891	342,242	286,382	53,048	300,603		0	67,268	Mining cut is completely backfilled with material from the following cut.
96B	3.10	357,462	30,008	327,454	353,650	295,928	56,470	319,996		0	80,538	Mining cut is completely backfilled with material from the following cut.
97B	3.30	380,524	31,944	348,580	376,466	315,021	56,470	275,922		0	17,372	Cast blasted and hauled overburden from 98B will be place under a layer of Bench 1 material provided from Cut-99B. This will be roughly 44,000 CY.
98B	3.30	380,524	31,944	348,580	376,466	315,021	46,203	217,741	51,076	0	0	Cast blasted and hauled overburden from Cut-99B, Cut-108, and some of Cut-109. Roughly 44,000 CY of Bench 1 material from stockpile from Cut-99B.
99B	2.70	311,338	26,136	285,202	308,018	257,744	0	44,074	213,670	0	0	Hauled overburden from Cut-107, some of Cut-108, most of Cut-109, all of Cut-110, and some of Mt. Nucla. Roughly 44,000 CY of Bench 1 material stockpiled from Cut-99B.
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Mount Nucla				317,389								
Total	145.14	16,736,128.70	1,322,288	14,746,480	15,583,419	13,855,179.18				0	2,272,961	

¹Current pit as of June 18, 2008

²Calculated using Carlson Civil Engineering Software

³Calculated from cut area and a 6 foot thickness.

⁴Difference of Volume Excavated and Coal Volume

⁵Swell factor of 8%

⁶The amount of backfill required to reach the post-mine contours designed by Western Fuels

⁷Material cast blasted from the following cut. 15% of total volume.

⁸Material hauled from the following cut.

⁹Additional material gathered from other cuts for backfilling. See Backfill Source for details.

¹⁰Remaining Backfill Required = Backfill Required - Cast Blasted Material from Following Cut - Hauled Material from Following Cut- Additional Material

¹¹Excess Backfill = Cast Blasted Material from Following Cut + Hauled Material from Following Cut + Additional Material - Backfill Required

For the purposes of simplicity in calculating material balance "Backfill" refers to all material needed within a cut to achieve the post-mining topography. Topsoil is not seperated from overburden in these calculations.

The Remaining Backfill Required will show as zero once there is a sufficient or excess amount of backfill. This column will still show a zero if there is excess backfill. The Excess Backfill column indicated how much extra material is in a cut beyond the amount required to meet backfill needs. Cuts 95B through 99B exist exclusively on the Morgan property.