C0250005, Incoming
4980
4965

BCY/Acres Ratio 117,706

Swell Factor 0.10725

March 2015 Bond Update Volumetrics

	BCF [BCY * 27]	BCY	LCY	Area (sf) [acres * 43560]	Area (acres)
HWT 1	36,433,320	1,349,382	1,494,103	521,023	12.0
HWT 2	25,456,746	942,842	1,043,962	376,005	8.6
HWT 3	21,047,412	779,534	863,139	401,873	9.2
Pit 1	18,338,977	679,221	752,068	280,957	6.4
Pit 2	17,642,275	653,418	723,497	360,952	8.3
Pit 3	43,911,691	1,626,359	1,800,786	305,947	7.0
Pit 4	11,763,124	435,671	482,397	273,917	6.3
Pit 5	25,251,319	935,234	1,035,538	292,103	6.7
Pit 6	49,464,773	1,832,029	2,028,514	589,411	13.5
Pit 7	65,357,401	2,420,644	2,680,259	274,027	6.3
Pit 8	26,865,130	995,005	1,101,719	274,025	6.3
Pit 9	21,703,328	803,827	890,037	676,007	15.5
Pit 10	31,855,374	1,179,829	1,306,365	863,371	19.8
Pit 20	15,818,165	585,858	648,691	281,588	6.5
Pit 21	15,016,204	556,156	615,803	195,875	4.5
Pit 22	20,002,682	740,840	820,295	231,787	5.3
Pit 23	15,887,560	588,428	651,537	197,937	4.5
Pit 24	13,738,342	508,827	563,399	199,413	4.6
Pit 25	24,579,611	910,356	1,007,992	294,885	6.8
Pit 26	17,214,403	637,570	705,950	227,894	5.2
Pit 27	18,049,211	668,489	740,185	239,102	5.5
Pit 28	22,187,018	821,741	909,873	284,384	6.5
Excavated Areas Totals	**557,584,064**	**20,651,261**	**22,866,109**	**7,642,484**	**175.4**
SPOIL1				247,108	5.7
SPOIL2				335,554	7.7
SPOIL3				100,047	2.3
SPOIL4				135,878	3.1
SPOIL5				325,093	7.5
SPOIL6				32,046	0.7
SPOIL7				86,019	2.0
SPOIL8				91,334	2.1
Spoil Pile Areas Totals				**1,353,079**	**31**
SURF1				426,607	9.8
SURF4				112,760	2.6
SURF5				381,589	8.8
SURF6				324,443	7.4
SURF7				52,309	1.2
SURF8 HAUL & MAINT				2,409,732	55.3
Surface Disturbance Only Areas Totals				**3,707,440**	**85.1**
DITCH 3				22,976	0.5
DITCH 2				84,063	1.9
DITCH 4				16,265	0.4
POND 3				180,228	4.1
POND 4 (includes ditch 1)				316,647	7.3
ROBINSON				234,731	5.4
LOADOUT				1,336,537	30.7
					50.3
					341.93

Added Excavated Area * Ratio (added BCY) 248,283

October 2015 Bond Update Volumetrics

	BCF [BCY * 27]	BCY	LCY	Area (sf) [acres * 43560]	Area (acres)	Split Pit Combined Area (acres)	Split Pit Combined Volume (BCY)	Area Difference	Current BCY Difference	Proposed BCY Difference	Split BCY Difference	Comment
HWT 1-A	9,635,258	356,861	395,135	139,392	3.2	12.10	1,349,382	(0.14)	-	16,355	4,325	From Pit 9 and To SURF 5
HWT 1-B	26,798,061	992,521	1,098,969	387,684	8.9					-	12,030	
HWT 2	25,456,746	942,842	1,043,962	331,056	7.6			1.03	-	(121,460)		To SURF 5
HWT 3	21,047,412	779,534	863,139	387,684	8.9			0.33	-	(38,342)		To SURF 5
Pit 1-A	10,156,972	376,184	416,530	156,816	3.6	6.50	679,221	(0.05)	-	5,898	3,266	Fixed polyline error
Pit 1-B	8,182,005	303,037	335,538	126,324	2.9					-	2,631	
Pit 2	17,642,275	653,418	723,497	360,952	8.3			-	-	-		
Pit 3	43,911,690	1,626,359	1,800,786	305,947	7.0			-	-	-		
Pit 4	11,763,124	435,671	482,397	273,917	6.3			-	-	-		
Pit 5	25,251,319	935,234	1,035,538	292,103	6.7			-	-	-		
Pit 6	45,695,741	1,692,435	1,873,948	527,076	12.1			1.43	139,594	(168,439)		To Pit 9 (County Road)
Pit 7	65,357,399	2,420,644	2,680,259	274,027	6.3			-	-	-		
Pit 8	24,314,023	900,519	997,100	243,936	5.6			0.69	94,485	(81,307)		To Pit 9 (County Road)
Pit 9-A	6,323,244	234,194	259,312	191,664	4.4	19.50	1,037,906	(3.98)	(234,079)	468,590	105,733	From Pits 6 and 8 and SURF 5/8
Pit 9-B	21,700,222	803,712	889,910	657,756	15.1					-	362,857	
Pit 10	31,855,372	1,179,829	1,306,365	901,692	20.7			(0.88)	-	103,550		From Pit 9 and SURF 8
Pit 20-A	2,711,685	100,433	111,204	52,272	1.2	7.00	585,858	(0.54)	-	63,046	10,808	From SURF 4
Pit 20-B	13,106,480	485,425	537,487	252,648	5.8					-	52,238	
Pit 21-A	5,672,788	210,103	232,637	74,052	1.7	4.50	556,156	(0.00)	-	392	148	
Pit 21-B	9,343,416	346,052	383,167	121,968	2.8					-	244	
Pit 22	20,002,682	740,840	820,295	231,787	5.3			-	-	-		
Pit 23	15,887,560	588,428	651,537	197,937	4.5			-	-	-		
Pit 24	13,738,342	508,827	563,399	199,413	4.6			-	-	-		
Pit 25	24,579,611	910,356	1,007,992	294,885	6.8			-	-	-		
Pit 26	17,214,402	637,570	705,950	227,894	5.2			-	-	-		
Pit 27	18,049,211	668,489	740,185	239,102	5.5			-	-	-		
Pit 28	22,187,018	821,741	909,873	284,384	6.5			-	-	-		
Excavated Areas Totals	**557,584,059**	**20,651,261**	**22,866,109**	**7,734,366**	**177.6**			(2.11)		248,283		
SPOIL1				247,108	5.7			-				
SPOIL2				335,554	7.7			-				
SPOIL3				100,047	2.3			-				
SPOIL4				135,878	3.1			-				
SPOIL5				325,093	7.5			-				
SPOIL6				32,046	0.7			-				
SPOIL7				86,019	2.0			-				
SPOIL8				91,334	2.1			-				
Spoil Pile Areas Totals				**1,353,079**	**31**							
SURF1				426,607	9.8			-				
SURF4				87,120	2.0			0.59				To Pit 20
SURF5				775,368	17.8			(9.04)				From SURF 8 and HWT 1,2,3 :: to Pit 9
SURF6				324,443	7.4			-				
SURF7				52,309	1.2			-				
SURF8 HAUL & MAINT (includes Pond 2)				1,951,488	44.8			10.52				To SURF 5 and Pits 9 & 10
Surface Disturbance Only Areas Totals				**3,617,335**	**83.0**			2.07				
DITCH 3				22,976	0.5			-				
DITCH 2				84,063	1.9			-				
DITCH 4				16,265	0.4			-				
POND 3				180,228	4.1			-				
POND 4 (includes ditch 1)				316,647	7.3			-				
ROBINSON				234,731	5.4			-				
LOADOUT (includes Ponds 1 & 1B)				1,336,537	30.7			-				
					50.3							
					341.97							

Swell Factor 0.10725

Proposed November 2015 Bond Update Volumetrics

	BCF [BCY * 27]	BCY	LCY	Area (sf) [acres * 43560]	Area (acres)
HWT 1-A	9,752,043	361,187	399,924	139,392	3.2
HWT 1-B	27,122,871	1,004,551	1,112,289	387,684	8.9
HWT 2	22,177,328	821,383	909,476	331,056	7.6
HWT 3	20,012,178	741,192	820,685	387,684	8.9
Pit 1-A	10,245,166	379,451	420,147	156,816	3.6
Pit 1-B	8,253,050	305,669	338,451	126,324	2.9
Pit 2	17,642,275	653,418	723,497	360,952	8.3
Pit 3	43,911,690	1,626,359	1,800,786	305,947	7.0
Pit 4	11,763,124	435,671	482,397	273,917	6.3
Pit 5	25,251,319	935,234	1,035,538	292,103	6.7
Pit 6	41,147,880	1,523,996	1,687,444	527,076	12.1
Pit 7	65,357,399	2,420,644	2,680,259	274,027	6.3
Pit 8	22,118,746	819,213	907,073	243,936	5.6
Pit 9-A	9,178,039	339,927	376,385	191,664	4.4
Pit 9-B	31,497,363	1,166,569	1,291,684	657,756	15.1
Pit 10	34,651,213	1,283,378	1,421,021	901,692	20.7
Pit 20-A	3,003,497	111,241	123,171	52,272	1.2
Pit 20-B	14,516,903	537,663	595,327	252,648	5.8
Pit 21-A	5,676,782	210,251	232,801	74,052	1.7
Pit 21-B	9,349,995	346,296	383,436	121,968	2.8
Pit 22	20,002,682	740,840	820,295	231,787	5.3
Pit 23	15,887,560	588,428	651,537	197,937	4.5
Pit 24	13,738,342	508,827	563,399	199,413	4.6
Pit 25	24,579,611	910,356	1,007,992	294,885	6.8
Pit 26	17,214,402	637,570	705,950	227,894	5.2
Pit 27	18,049,211	668,489	740,185	239,102	5.5
Pit 28	22,187,018	821,741	909,873	284,384	6.5
Excavated Areas Totals	**564,287,688**	**20,899,544**	**23,141,020**	**7,734,366**	**177.6**
SPOIL1				247,108	5.7
SPOIL2				335,554	7.7
SPOIL3				100,047	2.3
SPOIL4				135,878	3.1
SPOIL5				325,093	7.5
SPOIL6				32,046	0.7
SPOIL7				86,019	2.0
SPOIL8				91,334	2.1
Spoil Pile Areas Totals				**1,353,079**	**31**
SURF1				426,607	9.8
SURF4				87,120	2.0
SURF5				775,368	17.8
SURF6				324,443	7.4
SURF7				52,309	1.2
SURF8 HAUL & MAINT (includes Pond 2)				1,951,488	44.8
Surface Disturbance Only Areas Totals				**3,617,335**	**83.0**
DITCH 3				22,976	0.5
DITCH 2				84,063	1.9
DITCH 4				16,265	0.4
POND 3				180,228	4.1
POND 4 (includes ditch 1)				316,647	7.3
ROBINSON				234,731	5.4
LOADOUT (includes Ponds 1 & 1B)				1,336,537	30.7
					50.3
					341.97

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