



**PROMONTORY POINT LANDFILL
Diminishing Capacity
for Permit Class V**

Revised: 01-25-17
Calculated By: VHY
Checked By: JMH

DATA	
Tonnage Growth Rate	2 %
Assumed MSW Density	2,000 LB/CY
Assumed Special Waste Density	1,350 LB/CY
Assumed Refuse to Soil Ratio	7.0:1
Total Gross Volume ¹	782,965,000 CY
Final Cover Volume ²	5,101,000 CY
Base Liner Volume ³	1,496,000 CY
Slope Liner Volume ⁴	1,299,000 CY
Total Net Capacity ⁵	775,069,000 CY

YEAR ⁶	MUNICIPAL SOLID WASTE (TONS) ⁷	SPECIAL WASTE (TONS) ⁸	MUNICIPAL SOLID WASTE (CY)	SPECIAL WASTE (CY)	TOTAL VOLUME (CY) ⁹	CUMULATIVE VOLUME (CY)	REMAINING CAPACITY (CY)
1	84,000	255,000	84,000	377,778	527,746	527,746	774,541,254
2	332,000	480,000	332,000	711,111	1,192,127	1,719,873	773,349,127
3	492,000	540,000	492,000	800,000	1,476,571	3,196,444	771,872,556
4	501,840	550,800	501,840	816,000	1,506,103	4,702,547	770,366,453
5	511,877	561,816	511,877	832,320	1,536,225	6,238,772	768,830,228
6	522,114	573,052	522,114	848,966	1,566,949	7,805,722	767,263,278
7	532,557	584,513	532,557	865,946	1,598,288	9,404,010	765,664,990
8	543,208	596,204	543,208	883,265	1,630,254	11,034,264	764,034,736
9	554,072	608,128	554,072	900,930	1,662,859	12,697,123	762,371,877
10	565,153	620,290	565,153	918,949	1,696,116	14,393,240	760,675,760
11	576,456	632,696	576,456	937,328	1,730,039	16,123,279	758,945,721
12	587,986	645,350	587,986	956,074	1,764,640	17,887,918	757,181,082
13	599,745	658,257	599,745	975,196	1,799,932	19,687,851	755,381,149
14	611,740	671,422	611,740	994,699	1,835,931	21,523,782	753,545,218
15	623,975	684,851	623,975	1,014,593	1,872,650	23,396,431	751,672,569
16	636,454	698,548	636,454	1,034,885	1,910,103	25,306,534	749,762,466
17	649,184	712,519	649,184	1,055,583	1,948,305	27,254,838	747,814,162
18	662,167	726,769	662,167	1,076,695	1,987,271	29,242,109	745,826,891
19	675,411	741,304	675,411	1,098,229	2,027,016	31,269,125	743,799,875
20	688,919	756,130	688,919	1,120,193	2,067,556	33,336,682	741,732,318
21	702,697	771,253	702,697	1,142,597	2,108,908	35,445,589	739,623,411



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YEAR ⁶	MUNICIPAL SOLID WASTE (TONS) ⁷	SPECIAL WASTE (TONS) ⁸	MUNICIPAL SOLID WASTE (CY)	SPECIAL WASTE (CY)	TOTAL VOLUME (CY) ⁹	CUMULATIVE VOLUME (CY)	REMAINING CAPACITY (CY)
22	716,751	786,678	716,751	1,165,449	2,151,086	37,596,675	737,472,325
23	731,086	802,412	731,086	1,188,758	2,194,107	39,790,783	735,278,217
24	745,708	818,460	745,708	1,212,533	2,237,990	42,028,772	733,040,228
25	760,622	834,829	760,622	1,236,784	2,282,749	44,311,522	730,757,478
26	775,834	851,526	775,834	1,261,519	2,328,404	46,639,926	728,429,074
27	791,351	868,556	791,351	1,286,750	2,374,972	49,014,898	726,054,102
28	807,178	885,927	807,178	1,312,485	2,422,472	51,437,370	723,631,630
29	823,322	903,646	823,322	1,338,734	2,470,921	53,908,292	721,160,708
30	839,788	921,719	839,788	1,365,509	2,520,340	56,428,632	718,640,368
31	856,584	940,153	856,584	1,392,819	2,570,747	58,999,378	716,069,622
32	873,716	958,956	873,716	1,420,676	2,622,162	61,621,540	713,447,460
33	891,190	978,135	891,190	1,449,089	2,674,605	64,296,144	710,772,856
34	909,014	997,698	909,014	1,478,071	2,728,097	67,024,241	708,044,759
35	927,194	1,017,652	927,194	1,507,632	2,782,659	69,806,900	705,262,100
36	945,738	1,038,005	945,738	1,537,785	2,838,312	72,645,212	702,423,788
37	964,653	1,058,765	964,653	1,568,541	2,895,078	75,540,290	699,528,710
38	983,946	1,079,940	983,946	1,599,912	2,952,980	78,493,270	696,575,730
39	1,003,625	1,101,539	1,003,625	1,631,910	3,012,039	81,505,309	693,563,691
40	1,023,697	1,123,570	1,023,697	1,664,548	3,072,280	84,577,590	690,491,410
41	1,044,171	1,146,041	1,044,171	1,697,839	3,133,726	87,711,315	687,357,685
42	1,065,054	1,168,962	1,065,054	1,731,796	3,196,400	90,907,716	684,161,284
43	1,086,356	1,192,341	1,086,356	1,766,432	3,260,328	94,168,044	680,900,956
44	1,108,083	1,216,188	1,108,083	1,801,760	3,325,535	97,493,579	677,575,421
45	1,130,244	1,240,512	1,130,244	1,837,796	3,392,046	100,885,624	674,183,376
46	1,152,849	1,265,322	1,152,849	1,874,551	3,459,886	104,345,511	670,723,489
47	1,175,906	1,290,629	1,175,906	1,912,043	3,529,084	107,874,595	667,194,405
48	1,199,424	1,316,441	1,199,424	1,950,283	3,599,666	111,474,261	663,594,739
49	1,223,413	1,342,770	1,223,413	1,989,289	3,671,659	115,145,920	659,923,080
50	1,247,881	1,369,625	1,247,881	2,029,075	3,745,092	118,891,012	656,177,988
51	1,272,839	1,397,018	1,272,839	2,069,656	3,819,994	122,711,007	652,357,993
52	1,298,295	1,424,958	1,298,295	2,111,049	3,896,394	126,607,401	648,461,599
53	1,324,261	1,453,458	1,324,261	2,153,270	3,974,322	130,581,723	644,487,277
54	1,350,747	1,482,527	1,350,747	2,196,336	4,053,808	134,635,531	640,433,469
55	1,377,761	1,512,177	1,377,761	2,240,263	4,134,885	138,770,416	636,298,584



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YEAR ⁶	MUNICIPAL SOLID WASTE (TONS) ⁷	SPECIAL WASTE (TONS) ⁸	MUNICIPAL SOLID WASTE (CY)	SPECIAL WASTE (CY)	TOTAL VOLUME (CY) ⁹	CUMULATIVE VOLUME (CY)	REMAINING CAPACITY (CY)
56	1,405,317	1,542,421	1,405,317	2,285,068	4,217,582	142,987,998	632,081,002
57	1,433,423	1,573,269	1,433,423	2,330,769	4,301,934	147,289,932	627,779,068
58	1,462,091	1,604,735	1,462,091	2,377,385	4,387,973	151,677,904	623,391,096
59	1,491,333	1,636,829	1,491,333	2,424,932	4,475,732	156,153,637	618,915,363
60	1,521,160	1,669,566	1,521,160	2,473,431	4,565,247	160,718,883	614,350,117
61	1,551,583	1,702,957	1,551,583	2,522,899	4,656,552	165,375,435	609,693,565
62	1,582,615	1,737,016	1,582,615	2,573,357	4,749,683	170,125,118	604,943,882
63	1,614,267	1,771,757	1,614,267	2,624,825	4,844,676	174,969,794	600,099,206
64	1,646,552	1,807,192	1,646,552	2,677,321	4,941,570	179,911,364	595,157,636
65	1,679,484	1,843,336	1,679,484	2,730,868	5,040,401	184,951,765	590,117,235
66	1,713,073	1,880,202	1,713,073	2,785,485	5,141,209	190,092,974	584,976,026
67	1,747,335	1,917,806	1,747,335	2,841,195	5,244,033	195,337,008	579,731,992
68	1,782,281	1,956,162	1,782,281	2,898,018	5,348,914	200,685,922	574,383,078
69	1,817,927	1,995,286	1,817,927	2,955,979	5,455,892	206,141,814	568,927,186
70	1,854,286	2,035,191	1,854,286	3,015,098	5,565,010	211,706,824	563,362,176
71	1,891,371	2,075,895	1,891,371	3,075,400	5,676,310	217,383,135	557,685,865
72	1,929,199	2,117,413	1,929,199	3,136,908	5,789,837	223,172,972	551,896,028
73	1,967,783	2,159,761	1,967,783	3,199,647	5,905,633	229,078,605	545,990,395
74	2,007,138	2,202,957	2,007,138	3,263,640	6,023,746	235,102,351	539,966,649
75	2,047,281	2,247,016	2,047,281	3,328,912	6,144,221	241,246,572	533,822,428
76	2,088,227	2,291,956	2,088,227	3,395,491	6,267,105	247,513,677	527,555,323
77	2,129,991	2,337,795	2,129,991	3,463,400	6,392,448	253,906,125	521,162,875
78	2,172,591	2,384,551	2,172,591	3,532,668	6,520,296	260,426,421	514,642,579
79	2,216,043	2,432,242	2,216,043	3,603,322	6,650,702	267,077,124	507,991,876
80	2,260,364	2,480,887	2,260,364	3,675,388	6,783,716	273,860,840	501,208,160
81	2,305,571	2,530,505	2,305,571	3,748,896	6,919,391	280,780,231	494,288,769
82	2,351,682	2,581,115	2,351,682	3,823,874	7,057,779	287,838,010	487,230,990
83	2,398,716	2,632,737	2,398,716	3,900,351	7,198,934	295,036,944	480,032,056
84	2,446,690	2,685,392	2,446,690	3,978,358	7,342,913	302,379,857	472,689,143
85	2,495,624	2,739,100	2,495,624	4,057,926	7,489,771	309,869,628	465,199,372
86	2,545,537	2,793,882	2,545,537	4,139,084	7,639,567	317,509,194	457,559,806
87	2,596,447	2,849,759	2,596,447	4,221,866	7,792,358	325,301,552	449,767,448
88	2,648,376	2,906,755	2,648,376	4,306,303	7,948,205	333,249,757	441,819,243
89	2,701,344	2,964,890	2,701,344	4,392,429	8,107,169	341,356,926	433,712,074



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YEAR ⁶	MUNICIPAL SOLID WASTE (TONS) ⁷	SPECIAL WASTE (TONS) ⁸	MUNICIPAL SOLID WASTE (CY)	SPECIAL WASTE (CY)	TOTAL VOLUME (CY) ⁹	CUMULATIVE VOLUME (CY)	REMAINING CAPACITY (CY)
90	2,755,371	3,024,187	2,755,371	4,480,278	8,269,312	349,626,239	425,442,761
91	2,810,478	3,084,671	2,810,478	4,569,883	8,434,699	358,060,937	417,008,063
92	2,866,688	3,146,365	2,866,688	4,661,281	8,603,393	366,664,330	408,404,670
93	2,924,021	3,209,292	2,924,021	4,754,507	8,775,461	375,439,791	399,629,209
94	2,982,502	3,273,478	2,982,502	4,849,597	8,950,970	384,390,760	390,678,240
95	3,042,152	3,338,947	3,042,152	4,946,589	9,129,989	393,520,750	381,548,250
96	3,102,995	3,405,726	3,102,995	5,045,520	9,312,589	402,833,339	372,235,661
97	3,165,055	3,473,841	3,165,055	5,146,431	9,498,841	412,332,179	362,736,821
98	3,228,356	3,543,318	3,228,356	5,249,359	9,688,818	422,020,997	353,048,003
99	3,292,923	3,614,184	3,292,923	5,354,347	9,882,594	431,903,591	343,165,409
100	3,358,782	3,686,468	3,358,782	5,461,433	10,080,246	441,983,837	333,085,163
101	3,425,957	3,760,197	3,425,957	5,570,662	10,281,851	452,265,687	322,803,313
102	3,494,476	3,835,401	3,494,476	5,682,075	10,487,488	462,753,175	312,315,825
103	3,564,366	3,912,109	3,564,366	5,795,717	10,697,237	473,450,412	301,618,588
104	3,635,653	3,990,351	3,635,653	5,911,631	10,911,182	484,361,595	290,707,405
105	3,708,366	4,070,158	3,708,366	6,029,864	11,129,406	495,491,001	279,577,999
106	3,782,534	4,151,561	3,782,534	6,150,461	11,351,994	506,842,995	268,226,005
107	3,858,184	4,234,592	3,858,184	6,273,470	11,579,034	518,422,028	256,646,972
108	3,935,348	4,319,284	3,935,348	6,398,940	11,810,615	530,232,643	244,836,357
109	4,014,055	4,405,670	4,014,055	6,526,919	12,046,827	542,279,470	232,789,530
110	4,094,336	4,493,783	4,094,336	6,657,457	12,287,763	554,567,233	220,501,767
111	4,176,223	4,583,659	4,176,223	6,790,606	12,533,519	567,100,752	207,968,248
112	4,259,747	4,675,332	4,259,747	6,926,418	12,784,189	579,884,941	195,184,059
113	4,344,942	4,768,839	4,344,942	7,064,947	13,039,873	592,924,814	182,144,186
114	4,431,841	4,864,216	4,431,841	7,206,245	13,300,670	606,225,484	168,843,516
115	4,520,478	4,961,500	4,520,478	7,350,370	13,566,684	619,792,167	155,276,833
116	4,610,887	5,060,730	4,610,887	7,497,378	13,838,017	633,630,185	141,438,815
117	4,703,105	5,161,945	4,703,105	7,647,325	14,114,778	647,744,962	127,324,038
118	4,797,167	5,265,184	4,797,167	7,800,272	14,397,073	662,142,036	112,926,964
119	4,893,111	5,370,487	4,893,111	7,956,277	14,685,015	676,827,050	98,241,950
120	4,990,973	5,477,897	4,990,973	8,115,403	14,978,715	691,805,765	83,263,235
121	5,090,792	5,587,455	5,090,792	8,277,711	15,278,289	707,084,055	67,984,945
122	5,192,608	5,699,204	5,192,608	8,443,265	15,583,855	722,667,910	52,401,090
123	5,296,460	5,813,188	5,296,460	8,612,130	15,895,532	738,563,442	36,505,558



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YEAR ⁶	MUNICIPAL SOLID WASTE (TONS) ⁷	SPECIAL WASTE (TONS) ⁸	MUNICIPAL SOLID WASTE (CY)	SPECIAL WASTE (CY)	TOTAL VOLUME (CY) ⁹	CUMULATIVE VOLUME (CY)	REMAINING CAPACITY (CY)
124	5,402,389	5,929,452	5,402,389	8,784,373	16,213,443	754,776,885	20,292,115
125	5,510,437	6,048,041	5,510,437	8,960,060	16,537,712	771,314,596	3,754,404

Notes

- 1) Total Gross Volume calculated using CADD comparing master base grade to final grade.
- 2) Final Cover Volume includes a 36" monolithic layer with an average of 3H:1V side slope.
- 3) Base Liner Volume includes 18" of coarse sand or protective cover soil.
- 4) Slope Liner Volume includes 24" of protective cover soil with an average of 3H:1V slope.
- 5) Total Net Capacity = Gross Volume - Final Cover Volume - Base Liner Volume - Slope Liner Volume
- 6) Year 1 begins 2017.
- 7) Year 1, 2 ,and 3 MSW tonnage received from Promontory Point, LLC. Assume 2% growth rate after year 3.
- 8) Year 1, 2, and 3 special waste tonnage received from Promontory Point, LLC. Assume 2% growth rate after year 3.
- 9) Includes municipal waste, special waste and daily/intermediate cover.