

APPENDIX D
SETTLEMENT DATA

TABLE 8
SUMMARY OF LANDFILL SETTLEMENT DATA
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Point No.	Northing	Easting	Elev 8/2/02	Elev 10/24/02	Elev 3/10/03	Elev 6/9/03	Elev 1/12/04	Elev 3/18/04	Elev 1/3/05	Elev 4/21/05	Elev 10/17/05	Elev 12/28/05	Elev 7/13/06	Difference in grade 7/13/2006 to 10/17/2005
Control Area														
1004	3,635,349.73	11,610,244.17	485.87	485.39	484.32	484.13	484.03	483.61	482.48	482.16	481.49	481.32	480.73	-0.76
1005	3,635,448.00	11,610,262.56	485.51	485.04	483.96	483.96	483.02	482.47	481.11	480.66	479.90	479.69	479.07	-0.83
1006	3,635,546.31	11,610,280.96	488.10	487.72	486.94	486.84	485.51	485.22	484.08	483.57	483.03	482.90	482.30	-0.73
1007	3,635,644.56	11,610,299.35	489.08	488.77	488.12	487.53	486.91	486.64	485.44	484.85	483.94	483.82	483.25	-0.99
1008	3,635,742.79	11,610,317.74	489.29	489.21	488.64	487.82	486.85	486.34	483.92	483.24	482.22	482.20	481.61	-0.61
1018	3,635,662.70	11,610,201.04	486.24	486.08	485.38	485.31	484.40	483.84	482.48	481.77	481.06	480.99	480.26	-0.80
1019	3,635,564.34	11,610,182.66	484.57	484.27	483.48	483.48	482.15	481.85	480.82	480.32	479.62	479.52	478.88	-0.74
1020	3,635,466.17	11,610,164.24	483.05	482.72	481.84	481.84	479.85	479.31	478.34	477.87	477.07	476.87	476.37	-0.70
1021	3,635,367.83	11,610,145.87	482.26	481.94	481.14	480.70	479.24	478.85	477.89	477.55	476.97	476.82	476.34	-0.63
1022	3,635,269.54	11,610,127.55	480.97	480.59	479.64	479.64	478.91	479.54	479.23	478.20	477.77	477.92	477.10	-0.82
1023	3,635,171.30	11,610,109.13	477.72	477.37	476.35	476.35	478.66	478.53	478.09	477.70	477.22	477.04	476.74	-0.48
1024	3,635,189.69	11,610,010.81	472.04	471.74	471.08	471.08	474.40	474.06	472.41	475.04	474.06	473.83	473.18	-0.88
1025	3,635,091.34	11,609,992.34	468.72	468.35	468.35	468.00	473.79	473.28	472.03	471.49	473.24	473.10	472.34	-0.90
1026	3,635,288.00	11,610,029.13	474.30	474.05	473.33	473.09	474.65	474.73	474.09	473.69	474.13	473.69	473.08	-1.05
1027	3,635,386.32	11,610,047.53	475.71	475.20	474.73	474.48	476.15	475.95	475.62	475.22	475.28	475.04	474.41	-0.87
1028	3,635,484.54	11,610,066.03	477.62	477.36	476.44	476.44	476.72	476.26	475.18	474.75	476.51	476.29	475.64	-0.87
1029	3,635,582.91	11,610,084.37	479.07	478.85	478.18	478.18	477.68	477.64	476.32	475.94	477.64	477.42	476.59	-1.05
1030	3,635,681.10	11,610,102.80	480.72	480.53	480.04	479.70	479.08	478.68	477.46	477.08	477.41	477.24	476.71	-0.70
1041	3,635,699.44	11,610,004.53	472.92	472.85	472.55	472.55	473.00	472.77	471.78	471.52	472.82	472.67	471.85	-0.97
1042	3,635,601.14	11,609,986.14	472.03	471.81	471.20	471.04	472.61	472.17	471.52	471.15	475.20	474.92	473.98	-1.22
1043	3,635,502.84	11,609,967.77	471.02	470.75	470.05	470.05	471.77	471.47	470.77	470.24	474.24	474.23	473.34	-0.90
1044	3,635,404.59	11,609,949.32	470.05	469.80	469.09	468.54	472.03	471.64	470.83	470.42	474.14	473.95	473.29	-0.85
1045	3,635,306.31	11,609,930.87	468.07	467.72	467.18	466.62	469.80	469.42	468.58	467.98	472.61	472.18	471.42	-1.19
1046	3,635,208.01	11,609,912.58	465.01	464.78	464.63	464.63	468.90	468.41	467.72	466.97	471.59	470.78	470.01	-1.58
1047	3,635,109.73	11,609,894.15	461.57	461.29	461.29	460.78	466.86	466.28	464.43	463.98	470.24	469.75	469.02	-1.22
1048	3,635,011.39	11,609,875.70	452.50	452.28	452.21	452.21	479.66	478.67	472.82	472.16	470.30	470.20	469.57	-0.73
1049	3,635,029.78	11,609,777.38	452.53	452.46	452.03	451.09	462.43	461.96	460.65	460.34	466.80	466.37	465.46	-1.34
1050	3,635,128.05	11,609,795.71	454.78	454.55	454.02	454.02	462.06	461.56	460.05	459.87	467.80	466.83	465.78	-2.02
1051	3,635,226.37	11,609,814.18	457.93	457.68	457.03	456.81	463.32	462.79	461.54	461.14	469.16	468.51	467.61	-1.55
1052	3,635,324.67	11,609,832.49	460.81	460.65	460.12	460.12	464.61	464.17	463.10	462.68	471.05	470.62	469.77	-1.28
1053	3,635,422.98	11,609,850.93	463.32	462.89	462.30	462.30	465.49	465.10	464.38	464.13	471.95	471.62	470.90	-1.05
1054	3,635,521.22	11,609,869.39	465.71	465.18	464.52	464.52	465.49	464.80	463.60	463.27	471.15	470.98	469.88	-1.27
1055	3,635,619.61	11,609,887.68	466.06	465.78	465.30	465.01	467.16	466.31	465.82	465.38	471.45	471.05	470.15	-1.30
1056	3,635,717.83	11,609,906.15	466.95	466.84	466.58	466.58	467.52	467.29	467.10	466.84	467.91	467.80	467.15	-0.76
1067	3,635,736.32	11,609,807.82	463.21	463.04	462.80	462.25	463.21	463.48	462.44	462.36	464.20	464.82	464.20	0.00
1068	3,635,638.08	11,609,789.37	461.01	460.97	460.44	460.44	463.17	462.83	461.77	461.49	466.94	466.78	465.74	-1.20
1069	3,635,539.79	11,609,770.95	460.16	460.00	459.25	458.78	461.13	460.45	458.88	458.45	467.49	467.18	466.06	-1.43
1070	3,635,441.45	11,609,752.58	457.70	457.48	456.88	456.88	460.51	460.12	459.41	459.08	468.24	467.93	466.98	-1.26
1071	3,635,343.15	11,609,734.20	455.12	455.02	454.67	454.67	458.56	458.36	457.49	457.26	467.98	467.55	466.60	-1.38
1072	3,635,244.85	11,609,715.82	451.48	451.32	450.68	450.68	457.49	456.94	455.71	455.36	466.32	465.74	464.54	-1.78
1073	3,635,146.56	11,609,697.41	448.58	448.38	447.76	447.76	456.46	455.98	454.22	453.70	464.38	463.49	462.00	-2.38
1074	3,635,048.25	11,609,679.00	448.55	448.41	448.64	445.64	455.31	454.86	453.14	452.58	463.13	462.98	461.53	-1.60
1075	3,635,066.63	11,609,580.65	439.54	439.45	438.48	438.48	450.73	449.69	448.16	447.67	458.87	458.04	456.72	-2.15
1076	3,635,164.92	11,609,599.02	440.47	440.40	440.16	440.16	451.40	450.80	449.19	448.31	460.04	459.43	458.21	-1.83
1077	3,635,263.23	11,609,617.48	445.99	445.91	445.44	445.44	451.66	451.28	449.36	449.03	461.98	461.65	460.44	-1.54
1078	3,635,361.52	11,609,635.86	448.91	448.78	448.43	448.43	452.94	452.77	452.27	452.03	463.42	463.00	461.96	-1.46
1079	3,635,459.84	11,609,654.19	451.72	451.54	450.93	450.93	454.86	454.46	453.33	452.93	463.77	463.34	462.35	-1.42
1080	3,635,558.09	11,609,672.62	452.56	452.25	451.37	451.37	454.66	454.19	453.12	452.56	462.79	462.39	461.30	-1.49
1081	3,635,656.40	11,609,691.02	455.31	455.09	454.79	454.79	457.63	457.52	456.60	456.17	462.42	462.06	461.12	-1.30
1094	3,635,674.74	11,609,592.74	450.59	450.51	450.09	449.89	451.82	451.63	451.31	450.97	457.53	457.36	456.66	-0.87
1095	3,635,576.47	11,609,574.29	447.01	446.77	446.03	445.82	448.73	448.31	446.79	446.14	457.93	457.52	456.37	-1.56
1096	3,635,478.15	11,609,555.97	445.83	445.63	445.28	445.28	447.60	447.24	446.73	446.38	458.01	457.59	456.52	-1.49
1097	3,635,379.86	11,609,537.48	444.65	444.56	444.13	443.40	447.20	446.91	446.20	445.84	458.09	457.58	456.24	-1.85
1098	3,635,281.56	11,609,519.19	440.66	440.57	440.24	440.24	446.77	446.56	445.61	445.29	456.87	456.28	455.24	-1.63
1099	3,635,183.28	11,609,500.81	437.68	437.37	437.46	437.72	447.89	447.18	445.34	444.90	457.25	456.48	455.19	-2.06
1100	3,635,084.97	11,609,482.37	435.45	435.41	435.41	435.41	449.79	448.80	445.71	445.08	443.97	443.71	442.82	-1.15
1101	3,635,092.33	11,609,443.10	434.95	434.92	434.70	434.70	440.69	440.07	437.90	437.54	437.19	437.04	436.44	-0.75
1103	3,635,201.68	11,609,402.49	434.51	434.30	434.30	434.30	440.66	440.12	437.87	437.45	435.60	435.52	435.04	-0.56
1104	3,635,299.97	11,609,420.80	435.96	435.88	435.55	435.55	441.00	440.51	439.52	439.11	448.10	447.62	446.62	-1.48
1105	3,635,398.26	11,609,439.26	438.83	438.82	438.54	438.42	441.90	441.59	440.94	440.69	452.49	452.05	450.75	-1.74
1106	3,635,496.53	11,609,457.76	439.74	439.74	439.32	439.32	440.81	440.59	439.99	439.61	453.05	452.51	451.27	-1.78
1107	3,635,594.83	11,609,476.11	440.55	440.34	439.86	439.86	441.84	441.25	440.85	440.27	453.27	452.92	451.68	-1.59
1108	3,635,693.11	11,609,494.53	444.53	444.34	443.75	443.75	444.67	444.11	442.98	442.55	452.01	451.82	450.95	-1.06
1121	3,635,711.48	11,609,396.28	443.54	443.45	442.99	442.99	442.13	441.83	441.29	441.01	447.82	447.58	446.81	-1.01
1122	3,635,613.24	11,609,377.78	439.75	439.61	438.85	438.50	438.29	438.03	437.00	436.66	448.66	448.38	447.57	-1.09
1123	3,635,514.93	11,609,359.43	436.73	436.49	435.93	435.93	435.61	435.28	435.84	435.19	445.76	445.25	444.57	0.00
1124	3,635,416.63	11,609,341.06	435.79	435.75	435.35	435.22	437.63	437.54	437.85					

TABLE 8
SUMMARY OF LANDFILL SETTLEMENT DATA
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Point No.	Northing	Easting	Elev 8/2/02	Elev 10/24/02	Elev 3/10/03	Elev 6/9/03	Elev 1/12/04	Elev 3/18/04	Elev 1/3/05	Elev 4/21/05	Elev 10/17/05	Elev 12/28/05	Elev 7/13/06	Difference in grade 7/13/2006 to 10/17/2005
Test Area														
1009	3,635,841.19	11,610,336.14	489.94	489.75	489.19	488.98	487.73	487.22	484.60	483.98	483.14	482.97	482.48	-0.66
1010	3,635,939.49	11,610,354.55	489.88	489.60	488.93	488.87	487.53	487.15	485.84	485.20	487.08	483.67	482.61	-4.47
1011	3,636,037.73	11,610,372.92	490.38	490.18	489.75	489.32	488.33	488.21	487.14	486.61	485.49	485.18	484.04	-1.45
1012	3,636,135.89	11,610,391.31	490.32	490.16	490.16	489.57	488.69	488.45	487.91	487.61	487.22	487.08	487.08	0.00
1013	3,636,154.20	11,610,293.02	486.99	486.87	486.64	486.28	485.82	485.58	485.01	484.73	484.36	484.20	483.79	-0.57
1014	3,636,056.01	11,610,274.63	487.20	487.11	486.87	486.04	486.51	486.23	485.19	484.69	484.10	483.86	483.23	-0.87
1015	3,635,957.68	11,610,256.23	486.71	486.52	486.27	485.94	485.81	485.46	484.04	483.43	482.54	482.21	481.54	-1.00
1016	3,635,859.38	11,610,237.82	485.21	484.90	484.28	484.28	483.09	482.90	481.98	481.64	481.05	480.91	480.44	-0.61
1017	3,635,761.00	11,610,219.44	486.48	486.20	485.55	485.55	484.26	483.91	482.94	482.75	482.27	482.23	481.81	-0.46
1031	3,635,779.51	11,610,121.17	481.41	481.18	480.61	480.31	478.44	478.24	477.37	477.01	476.22	476.94	476.51	0.29
1032	3,635,877.83	11,610,139.57	481.09	480.95	480.56	480.56	480.05	479.87	479.23	478.93	477.88	478.60	478.32	0.44
1033	3,635,976.12	11,610,157.96	482.03	482.03	481.81	481.50	481.27	481.12	480.35	480.06	479.04	479.25	478.99	-0.05
1034	3,636,074.38	11,610,176.37	482.34	482.28	482.05	482.05	481.48	481.20	480.16	479.73	479.49	479.74	479.41	-0.08
1035	3,636,172.64	11,610,194.76	477.76	477.64	477.11	476.83	476.99	476.88	476.31	475.98	475.28	475.35	474.82	-0.46
1036	3,636,190.94	11,610,096.48	473.03	472.87	472.80	472.27	472.24	471.97	471.43	471.12	470.78	470.76	470.43	-0.35
1037	3,636,092.58	11,610,078.09	476.70	476.52	476.41	476.41	476.45	476.14	475.52	475.10	474.59	475.32	474.90	0.31
1038	3,635,994.28	11,610,059.72	475.69	475.55	475.35	475.33	474.49	474.39	473.63	473.28	472.77	473.03	473.23	0.46
1039	3,635,896.02	11,610,041.31	476.49	476.49	476.09	475.47	475.26	475.22	474.24	473.95	473.49	473.67	473.26	-0.23
1040	3,635,797.72	11,610,022.91	475.24	475.24	474.94	474.65	473.81	473.63	472.96	472.43	472.02	472.07	471.35	-0.67
1057	3,635,816.15	11,609,924.54	468.79	468.65	468.58	468.40	467.89	467.62	466.89	466.52	466.09	466.12	465.56	-0.53
1058	3,635,914.40	11,609,942.95	470.40	470.33	470.08	470.08	468.84	468.68	468.21	468.07	470.16	468.06	467.92	-2.24
1059	3,636,012.73	11,609,961.33	471.67	471.67	471.59	471.56	470.96	470.85	470.43	470.21	468.93	470.24	469.74	0.81
1060	3,636,111.00	11,609,979.74	473.09	473.02	472.97	472.51	472.25	472.13	471.76	471.60	471.33	471.64	471.36	0.03
1061	3,636,209.35	11,609,998.10	469.98	469.84	469.74	468.83	469.27	469.05	468.55	468.34	467.96	467.86	467.44	-0.52
1062	3,636,227.79	11,609,899.79	466.12	466.11	465.87	465.32	465.12	464.98	464.36	464.05	463.81	463.80	463.46	-0.35
1063	3,636,129.59	11,609,881.36	468.41	468.33	468.13	468.13	467.87	467.72	467.28	467.20	466.59	467.21	466.65	0.06
1064	3,636,031.25	11,609,862.99	469.26	469.21	469.11	468.61	468.76	468.64	468.35	468.35	467.87	468.55	468.33	0.46
1065	3,635,932.97	11,609,844.58	466.66	466.63	466.42	466.24	466.13	465.91	465.38	465.18	464.54	464.59	464.45	-0.09
1066	3,635,834.57	11,609,826.23	463.00	463.00	463.00	462.65	463.09	462.91	461.87	461.65	461.25	461.38	461.08	-0.17
1082	3,635,754.73	11,609,709.37	458.29	458.25	457.83	457.83	458.12	457.66	457.13	456.86	461.89	461.69	461.10	-0.79
1083	3,635,853.02	11,609,727.79	459.15	459.05	458.79	458.79	458.48	458.48	457.95	457.63	457.52	457.56	457.31	-0.21
1084	3,635,951.27	11,609,746.21	463.12	463.12	462.82	462.76	462.43	462.76	462.09	462.00	461.71	461.87	461.59	-0.12
1085	3,636,049.55	11,609,764.61	464.37	464.35	464.35	463.92	463.90	463.70	463.18	462.98	462.52	462.91	462.42	-0.10
1086	3,636,147.94	11,609,782.97	463.55	463.49	463.43	463.43	463.16	463.04	462.68	462.56	462.42	462.44	462.08	-0.34
1087	3,636,246.13	11,609,801.40	463.11	463.11	462.86	462.86	462.37	462.37	461.84	461.68	461.39	461.47	461.21	-0.18
1088	3,636,264.49	11,609,703.13	462.28	462.28	462.11	461.42	462.00	461.96	461.77	461.70	461.51	461.64	461.55	0.04
1089	3,636,166.21	11,609,684.72	461.07	461.07	460.63	460.58	460.72	460.54	460.15	459.90	459.43	459.65	459.27	-0.16
1090	3,636,067.97	11,609,666.29	460.16	460.16	459.60	459.59	459.70	457.53	456.81	456.58	456.02	456.08	455.71	-0.31
1091	3,635,969.64	11,609,647.92	458.71	458.71	458.57	458.44	457.09	456.82	455.88	455.53	455.00	454.87	454.36	-0.64
1092	3,635,871.35	11,609,629.52	455.39	455.32	455.23	454.72	454.80	454.87	454.28	454.05	454.07	454.08	453.75	-0.32
1093	3,635,773.00	11,609,611.20	453.10	453.01	452.57	452.33	451.80	456.62	451.92	451.74	457.50	457.40	456.76	-0.74
1109	3,635,791.40	11,609,512.91	447.00	446.88	446.80	446.80	447.18	447.63	446.61	446.31	451.95	451.95	451.32	-0.63
1110	3,635,889.74	11,609,531.28	449.69	449.63	449.40	449.40	450.01	450.14	449.57	449.33	450.14	450.45	450.08	-0.06
1111	3,635,988.07	11,609,549.63	452.44	452.44	452.44	452.44	451.80	451.59	450.98	450.62	450.23	450.09	449.51	-0.72
1112	3,636,086.37	11,609,568.01	455.21	455.21	452.44	452.44	454.77	454.54	453.91	453.61	453.14	453.09	452.81	-0.33
1113	3,636,184.68	11,609,586.40	455.94	455.94	455.90	455.50	455.41	455.10	454.19	453.83	453.34	453.23	452.74	-0.60
1114	3,636,282.85	11,609,604.89	457.94	457.94	457.70	456.55	457.66	457.59	457.37	457.26	457.11	457.22	457.09	-0.02
1115	3,636,301.28	11,609,506.56	452.17	452.17	452.05	450.28	452.12	451.90	451.79	451.73	451.65	451.68	451.59	-0.06
1116	3,636,202.99	11,609,488.15	450.20	450.04	449.94	449.94	449.60	449.58	449.27	448.87	449.01	448.64	448.37	-0.64
1117	3,636,104.71	11,609,469.78	449.09	449.09	448.97	448.97	448.46	448.27	447.87	447.62	447.20	447.40	447.12	-0.08
1118	3,636,006.39	11,609,451.41	448.42	448.42	448.09	448.09	448.21	448.12	447.84	447.81	447.62	447.66	447.48	-0.14
1119	3,635,908.14	11,609,432.94	447.08	447.08	446.77	446.67	446.57	446.37	445.95	445.76	445.13	445.02	444.52	-0.61
1120	3,635,809.87	11,609,414.54	442.72	442.72	442.56	442.48	443.35	443.15	442.25	442.03	441.16	441.07	440.55	-0.61
1127	3,635,828.22	11,609,316.33	442.36	442.19	442.00	442.00	441.61	441.40	440.98	440.74	440.63	440.64	440.94	0.31
1128	3,635,926.52	11,609,334.68	443.66	443.66	443.53	441.95	442.91	442.74	442.26	442.04	441.26	441.27	441.16	-0.10
1129	3,636,024.81	11,609,353.11	446.31	446.29	446.25	443.41	445.96	445.87	445.66	445.52	445.32	445.46	445.24	-0.08
1130	3,636,123.13	11,609,371.52	446.79	446.79	446.76	446.29	446.59	446.31	445.83	445.60	445.29	445.13	444.71	-0.58
1131	3,636,221.45	11,609,389.88	446.82	446.67	446.62	446.62	446.40	446.27	445.91	445.73	445.40	445.36	444.89	-0.50
1132	3,636,319.64	11,609,408.34	446.62	446.62	446.60	446.57	446.27	446.22	445.91	445.73	445.40	445.36	444.89	-0.51
1133	3,636,337.98	11,609,310.06	443.94	443.93	443.75	444.59	443.83	443.68	443.70	443.58	443.57	443.63	443.48	-0.09
1134	3,636,239.72	11,609,291.66	447.32	447.32	447.22	442.16	447.14	447.11	446.98	446.93	446.80	446.71	446.71	-0.09
1135	3,636,141.46	11,609,273.23	447.30	447.30	447.20	446.83	447.35	447.12	447.01	446.91	446.76	446.73	446.62	-0.14
1136	3,636,043.11	11,609,254.88	445.01	445.01	445.00	445.95	444.91	444.72	444.60	444.44	444.36	444.43	444.43	0.00