

Test Site No.	Site ID #	Test Site Name/County	Sample Date	RAW DATA				CLEAN DATA*		LOG-TRANSFORMED DATA		TEST UNIT AVERAGES	
				Influent		Effluent		Effluent		Effluent		Effluent	
				BOD ₅ (mg/L)	TSS (mg/L)	BOD ₅ (mg/L)	TSS (mg/L)	BOD ₅ (mg/L)	TSS (mg/L)	BOD ₅ (mg/L)	TSS (mg/L)	BOD ₅ (mg/L)	TSS (mg/L)
1	1	Saw Mill Project Northampton	Aug-7-97			2.70	0.00	2.70	0.50	0.993	-0.693		
			Sept 9- 97			8.18	33.33	8.18	33.33	2.102	3.506		
			Oct 7-97	440.50	7.00	11.77	0.00	11.77	0.50	2.466	-0.693		
			Nov 26-97	178.75	33.00	1.00	1.00	1.00	1.00	0.000	0.000		
			Dec-15-97	570.00	593.00	1.00	33.00	1.00	33.00	0.000	3.497		
			Jan-14-98	257.00	346.67	1.00	20.00	1.00	20.00	0.000	2.996		
			Feb-27-98			8.40	1.00	8.40	1.00	2.128	0.000		
			Mar-27-98			8.97	26.70	8.97	26.70	2.194	3.285		
			Apr-17-98			5.00	0.00	5.00	0.50	1.609	-0.693		
			May-31-98			3.55	13.30	3.55	13.30	1.267	2.588		
			Sep-27-98			1.75	1.00	1.00	1.00	0.000	0.000	1.160	1.254
2	2	Long-Arther Property Henrico	Aug-11-97			10.75	0.00	10.75	0.50	2.375	-0.693		
			Sept 12-97			2.06	0.00	2.06	0.50	0.723	-0.693		
			Oct 7-97			4.48	0.00	4.48	0.50	1.500	-0.693		
			Nov 14-97			5.66	1.00	5.66	1.00	1.733	0.000		
			Dec-13-97			6.00	1.00	6.00	1.00	1.792	0.000		
			Jan-10-98			2.10	6.67	2.10	6.67	0.742	1.898		
			Feb-25-98			6.50	6.70	6.50	6.70	1.872	1.902		
			Mar-15-98			2.37	73.30	2.37	73.30	0.863	4.295		
			Apr-29-98			5.00	6.70	5.00	6.70	1.609	1.902		
			May-19-98			1.00	1.00	1.00	1.00	0.000	0.000		
			Sep-27-98			11.28	20.00	11.28	20.00	2.423	2.996	1.421	0.992
3	3	Kemp Property Mathews	Aug-18-97			9.70	0.00	9.70	0.50	2.272	-0.693		
			Sept 26-97			6.17	0.00	6.17	0.50	1.820	-0.693		
			Oct 21-97			4.34	0.00	4.34	0.50	1.468	-0.693		
			Nov 22-97	290.50	12240.00	2.29	13.00	2.29	13.00	0.829	2.565		
			Dec-16-97	678.00	1740.00	7.00	20.00	7.00	20.00	1.946	2.996		
			Jan-22-98			6.80	133.33	6.80	133.33	1.917	4.893		
			Feb-18-98	4.00	40.00	1.00	66.70	1.00	66.70	0.000	4.200		
			Mar-11-98	54.00	6.70	3.97	100.00	3.97	100.00	1.379	4.605		
			Apr-15-98	32.00	6.70	2.00	6.70	2.00	6.70	0.693	1.902		
			Sep-10-98	119.50	26.67	4.97	1.00	4.97	1.00	1.603	0.000	1.393	1.908
4	4	Nesbit Property Gloucester	Jul-21-97	332.00	113.00	1.00	0.00	1.00	0.50	0.000	-0.693		
			Aug-18-97	345.50	87.00	18.14	13.00	18.14	13.00	2.898	2.565		
			Sept 26-97			11.50	0.00	11.50	0.50	2.442	-0.693		
			Oct 21-97			1.00	0.00	1.00	0.50	0.000	-0.693		
			Nov 22-97	187.25	20.00	5.84	1.00	5.84	1.00	1.765	0.000		

			Dec-16-97	297.50	93.00	4.60	80.00	4.60	80.00	1.526	4.382		
			Jan-22-98	138.50	53.33	1.00	6.67	1.00	6.67	0.000	1.898		
			Feb-18-98	25.50	73.30	6.90	6.70	6.90	6.70	1.932	1.902		
			Apr-13-98	281.00	40.00	8.00	33.30	8.00	33.30	2.079	3.506		
			May-13-98	145.00	46.70	1.00	1.00	1.00	1.00	0.000	0.000		
			Sep-17-98	106.00	6.70	1.33	1.00	1.00	1.00	0.000	0.000	1.149	1.107
5	5	Agency on Aging Gloucester	Aug-18-97	265.50	313.00	1.00	0.00	1.00	0.50	0.000	-0.693		
			Sept 26-97	341.00	0.00	3.35	0.00	3.35	0.50	1.209	-0.693		
			Oct 21-97	166.25	33.00	2.11	0.00	2.11	0.50	0.747	-0.693		
			Nov 22-97	141.50	67.00	3.34	1.00	3.34	1.00	1.206	0.000		
			Dec-16-97	342.00	100.00	10.00	53.00	10.00	53.00	2.303	3.970		
			Jan-22-98	443.50	473.33	6.23	20.00	6.23	20.00	1.829	2.996		
			Feb-18-98	63.50	33.30	6.20	46.70	6.20	46.70	1.825	3.844		
			Mar-11-98	143.50	13.30	7.57	13.30	7.57	13.30	2.024	2.588		
			Apr-13-98			14.00	133.30	14.00	133.30	2.639	4.893		
			May-13-98			8.67	1.00	8.67	1.00	2.160	0.000		
			Jun-11-98			13.00	26.70	13.00	26.70	2.565	3.285		
			Sep-17-98			2.73	1.00	2.73	1.00	1.004	0.000	1.626	1.625
6	6	Easter Property Isle of Wight	Jul-23-97	328.00	0.00	17.30	0.00	17.30	0.50	2.851	-0.693		
			Aug-30-97	438.50	167.00	6.59	0.00	6.59	0.50	1.886	-0.693		
			Sept 30-97	387.75	93.33	4.59	0.00	4.59	0.50	1.524	-0.693		
			Oct 11-97	443.25	80.00	6.84	0.00	6.84	0.50	1.923	-0.693		
			Nov 25-97	321.00	2200.00	1.00	1.00	1.00	1.00	0.000	0.000		
			Dec-15-97	341.00	160.00	4.00	27.00	4.00	27.00	1.386	3.296		
			Jan-21-98	257.00	473.33	5.20	6.67	5.20	6.67	1.649	1.898		
			Feb-9-98	377.00	753.30	6.70	20.00	6.70	20.00	1.902	2.996		
			Mar-27-98	479.50	433.30	4.90	33.30	4.90	33.30	1.589	3.506		
			Apr-20-98	366.00	20.00	9.00	6.70	9.00	6.70	2.197	1.902		
			May-28-98	342.00	1.00	2.52	1.00	2.52	1.00	0.924	0.000		
			Jun-14-98	84.50	26.70	5.30	13.30	5.30	13.30	1.668	2.588		
			Sep-25-98	682.75	1.00	38.65	1.00	38.65	1.00	3.655	0.000	1.781	1.032
7	7	Munford Property Suffolk	Aug-21-97	570.50	47.00	7.35	0.00	7.35	0.50	1.995	-0.693		
			Sept 30-97	387.00	73.33	1.00	0.00	1.00	0.50	0.000	-0.693		
			Oct 11-97	452.00	20.00	16.10	0.00	16.10	0.50	2.779	-0.693		
			Nov 25-97	274.25	73.00	1.00	1.00	1.00	1.00	0.000	0.000		
			Dec-15-97	336.00	160.00	3.00	13.00	3.00	13.00	1.099	2.565		
			Jan-21-98	272.00	73.33	7.20	26.67	7.20	26.67	1.974	3.284		
			Feb-9-98	373.50	160.00	4.30	6.70	4.30	6.70	1.459	1.902		
			Mar-27-98	491.00	146.70	4.40	40.00	4.40	40.00	1.482	3.689		
			Apr-20-98	369.00	6.70	4.00	13.30	4.00	13.30	1.386	2.588		
			May-28-98	498.50	100.00	1.05	1.00	1.00	1.00	0.000	0.000		
			Jun-14-98	171.00	60.00	1.00	13.30	1.00	13.30	0.000	2.588	1.107	1.321
8	8	Samson Property Fairfax	Aug-23-97			6.50	0.00	6.50	0.50	1.872	-0.693		
			Sept 19-97			7.50	0.00	7.50	0.50	2.015	-0.693		

			Oct 25-97	718.50	21,400	7.87	0.00	7.87	0.50	2.063	-0.693		
			Nov 15-97	270.50	1,440	1.98	1.00	1.00	1.00	0.000	0.000		
			Jan-10-98	271.50	5,607	8.10	73.22	8.10	73.22	2.092	4.293		
			Feb-21-98	674.00	2,600	1.00	13.30	1.00	13.30	0.000	2.588		
			Mar-21-98	575.00	3,520	1.00	266.70	1.00	266.70	0.000	5.586		
			Apr-25-98	690.00	40	13.00	66.70	13.00	66.70	2.565	4.200		
			May-16-98			3.48	93.30	3.48	93.30	1.247	4.536		
			Sep-21-98	80.50	1	6.73	1	6.73	1.00	1.907	0.000	1.376	1.912
9	9	Jacobsen Property Fairfax	Aug-23-97	167.00	0.00	6.15	107.00	6.15	107.00	1.816	4.673		
			Sept 20-97	86.50	0.00	8.40	0.00	8.40	0.50	2.128	-0.693		
			Oct 25-97	149.75	0.00	6.85	0.00	6.85	0.50	1.924	-0.693		
			Nov 15-97	138.50	1.00	1.00	1.00	1.00	1.00	0.000	0.000		
			Dec-13-97	118.50	27.00	4.00	40.00	4.00	40.00	1.386	3.689		
			Jan-9-98	110.00	6.67	2.77	20.00	2.77	20.00	1.019	2.996		
			Feb-21-98	25.00	1.00	1.00	6.70	1.00	6.70	0.000	1.902		
			Mar-21-98	75.00	66.70	1.90	6.70	1.00	6.70	0.000	1.902		
			Apr-25-98	298.00	6.70	10.00	0.00	10.00	0.50	2.303	-0.693		
			May-16-98	185.50		1.45	33.30	1.00	33.30	0.000	3.506		
			Sep-21-98	36.50	1	2.93	1	2.93	1.00	1.075	0.000	1.059	1.508
10	10	Stanely Property Page	Jul-25-97			2.79	20.00	2.79	20.00	1.026	2.996		
			Aug-23-97			4.58	0.00	4.58	0.50	1.522	-0.693		
			Sept 20-97	88.50	66.67	1.60	0.00	1.00	0.50	0.000	-0.693		
			Oct 25-97	113.00	33.00	3.76	0.00	3.76	0.50	1.324	-0.693		
			Nov 15-97	88.75	1.00	1.00	1.00	1.00	1.00	0.000	0.000		
			Dec-12-97	215.00	73.00	2.00	1.00	2.00	1.00	0.693	0.000		
			Jan-9-98	107.50	200.00	3.30	1.00	3.30	1.00	1.194	0.000		
			Feb-21-98	187.00	266.70	1.00	26.70	1.00	26.70	0.000	3.285		
			Mar-21-98	315.00	993.30	2.30	73.30	2.30	73.30	0.833	4.295		
			Apr-25-98	406.00	6.70	7.00	0.00	7.00	0.50	1.946	-0.693		
			May-16-98	114.25	100.00	4.52	6.70	4.52	6.70	1.509	1.902		
			Sep-21-98	80.00	7	3.50	1	3.50	1.00	1.253	0.000	0.942	0.809
11	11	Anderson Property Frederick	Jul-25-97			2.60	0.00	2.60	0.50	0.956	-0.693		
			Aug-23-97			5.28	147.00	5.28	147.00	1.664	4.990		
			Sept 20-97	141.50	0.00	3.54	0.00	3.54	0.50	1.264	-0.693		
			Oct 25-97			2.42	0.00	2.42	0.50	0.884	-0.693		
			Nov 15-97			2.29	1.00	2.29	1.00	0.829	0.000		
			Dec-12-97			1.00	1.00	1.00	1.00	0.000	0.000		
			Jan-9-98			2.43	33.33	2.43	33.33	0.888	3.506		
			Feb-21-98			1.00	6.70	1.00	6.70	0.000	1.902		
			Mar-21-98			9.23	140.00	9.23	140.00	2.222	4.942		
			Apr-25-98			14.00	200.00	14.00	200.00	2.639	5.298		
			May-16-98			3.02	13.30	3.02	13.30	1.105	2.588		
			Sep-21-98			1.50	1	1.00	1.00	0.000	0.000	1.038	1.762
12	12	Tim Smith Property	Mar-21-98			4.30	353.00	4.30	353.00	1.459	5.866		

	Fairfax		Apr-25-98			15.00	6.70	15.00	6.70	2.708	1.902		
			May-16-98			10.32	1.00	10.32	1.00	2.334	0.000		
			Sep-21-98	168.00	1.00	4.43	1.00	4.43	1.00	1.488	0.000		
			Jan-18-99			8.35	1.00	8.35	1.00	2.122	0.000		
			Apr-26-99			1.92	86.70	1.00	86.70	0.000	4.462		
			Jul-4-99			1.00	6.70	1.00	6.70	0.000	1.902	1.444	2.019
13	13	Randy Link Property Virginia Beach	Feb-13-98	378.00	800.00	10.70	106.70	10.70	106.70	2.370	4.670		
			Mar-25-98	350.50	506.70	8.53	93.30	8.53	93.30	2.144	4.536		
			Apr-10-98	292.00	6.70	17.00	6.70	17.00	6.70	2.833	1.902		
			May-31-98	220.50	46.78	16.62	140.00	16.62	140.00	2.811	4.942		
			Sep-13-98	258.50	1,993.00	14.47	1.00	14.47	1.00	2.672	0.000		
			Jan-28-99			19.00	113.00	19.00	113.00	2.944	4.727		
			May-3-99	137.50	26.70	4.20	33.30	4.20	33.30	1.435	3.506	2.458	3.469
14	14	Sharf Property Virginia Beach	Feb-13-98	134.00	20.00	9.40	33.30	9.40	33.30	2.241	3.506		
			Mar-25-98	465.50	310.00	3.53	13.30	3.53	13.30	1.261	2.588		
			Apr-10-98	142.00	10.00	11.00	6.70	11.00	6.70	2.398	1.902		
			May-31-98	145.25	20.00	1.58	6.70	1.00	6.70	0.000	1.902		
			Sep-13-99	9.05	1.00	3.53	1.00	3.53	1.00	1.261	0.000		
			Jan-28-99	111.00	1.00	1.37	1.00	1.00	1.00	0.000	0.000		
			May-3-99	334.50	26.70	1.00	20.00	1.00	20.00	0.000	2.996	1.023	1.842
15	15	Merritt Property Accomack	Feb-27-98			17.00	1.00	17.00	1.00	2.833	0.000		
			Mar-30-98			18.60	6.70	18.60	6.70	2.923	1.902		
			Apr-17-98			4.00	6.70	4.00	6.70	1.386	1.902		
			May-31-98			4.32	13.30	4.32	13.30	1.463	2.588		
			Sep-27-98			6.45	1.00	6.45	1.00	1.864	0.000		
			Jan-20-99			46.70	2.30	46.70	2.30	3.844	0.833		
			May-10-99			2.68	20.00	2.68	20.00	0.986	2.996		
			Jul-20-99			1.00	13.30	1.00	13.30	0.000	2.588	1.912	1.601
16	16	Harmon Property Accomack	Feb-27-98	232.50	113.30	29.30	26.70	29.30	26.70	3.378	3.285		
			Mar-30-98	369.00	113.30	29.30	26.70	29.30	26.70	3.378	3.285		
			Apr-17-98	371.00	6.70	10.00	6.70	10.00	6.70	2.303	1.902		
			May-31-98	315.25	306.70	1.48	1.00	1.00	1.00	0.000	0.000		
			Sep-27-98	258.25	1.00	7.32	1.00	7.32	1.00	1.991	0.000		
			Jan-20-99	364.50	233.30	1.80	1.00	1.00	1.00	0.000	0.000		
			May-10-99	399.00	13.30	3.75	6.70	3.75	6.70	1.322	1.902		
			Jul-20-99	305.80	20.00	13.00	6.70	13.00	6.70	2.565	1.902	1.867	1.534
17	18	D. Smith Page	Mar-21-98	121.50	73.30	3.47	6.70	3.47	6.70	1.244	1.902		
			Apr-25-98	269.00	6.70	5.00	600.00	5.00	600.00	1.609	6.397		
			Sep-21-98	122.50	7	2.60	1	2.60	1.00	0.956	0.000		
			Jan-18-99			1.28	1	1.00	1.00	0.000	0.000		
			Apr-26-99	143.75	13	3.68	33	3.68	33.30	1.303	3.506		
			Jul-4-99	45.50	260	1.10	27	1.00	26.70	0.000	3.285	0.852	2.515
18	19	L. Smith Westmoreland	May-26-98	176.00	66.70	5.50	1.00	5.50	1.00	1.705	0.000		
			Sep-24-98	815.75	133.30	64.42	1.00	64.42	1.00	4.165	0.000		

			Feb-9-99	350.25	60.00	29.15	1.00	29.15	1.00	3.372	0.000		
			May-2-99	430.00	93.30	29.43	46.70	29.43	46.70	3.382	3.844		
			Jul-13-99	69.80	80.00	11.60	1.00	11.60	1.00	2.451	0.000	3.015	0.769
19	21	C. Brown Gloucester	Mar-18-98	143.00	46.70	2.90	66.70	2.90	66.70	1.065	4.200		
			Sep-30-98	65.25	20.00	8.18	1.00	8.18	1.00	2.102	0.000		
			May-18-99	101.45	53.30	2.86	26.70	2.86	26.70	1.051	3.285		
			Jul-14-99	84.00	20.00	3.90	13.30	3.90	13.30	1.361	2.588	1.395	2.518
20		Minnesota Data Set										1.062	0.677

* If any cell in CLEAN DATA column displays "#VALUE!", datum corresponding to that cell must be "cleaned" and manually entered into CLEAN DATA column cell. Datum reported as "<QL" is entered as value of QL/2. E.g., datum reported as "<1" is entered as 0.5 and datum reported as "<5" is entered as 2.5

Note: Method Detection Limit for BOD = 2, TSS = 1

	<u>BOD5</u>	<u>TSS</u>
Count (n) =	20	20
Degrees of Freedom (n-1) =	19	19
Mean =	1.45	1.61
Std Dev =	0.54	0.69
Std Error =	0.12	0.15
Upper 99% T (1-tailed)	2.54	2.54
Upper99% T Conf Int =	1.76	2.00
UNTRANSFORMED Upper 99% T Conf Int =	5.82	7.38