

Test Site No.	Test Site Name	Model	Sample Date	Lab Report	RAW DATA						CLEAN DATA*		DATA		TEST UNIT AVERAGES	
					Influent			Effluent			Effluent		Effluent		Effluent	
					BODs (mg/L)	TSS (mg/L)	TN (mg/L)	BODs (mg/L)	TSS (mg/L)	TN (mg/L)	BODs (mg/L)	TSS (mg/L)	BODs (mg/L)	TSS (mg/L)	BODs (mg/L)	TSS (mg/L)
1	150 Deane Rd, Toms Brook, VA	CEN-5	9/18/17	1710842	12	7.4	23	<3	4.4	11.5	1.5	4.4	0.405	1.482	0.656	0.448
			11/14/17	17K0753	7.6	3.9	14	2.7	<2.1	14.2	2.7	1.05	0.993	0.049		
			3/8/18	18C0489	41	95	19.7	3.4	<1.3	17.2	3.4	0.65	1.224	-0.431		
			6/21/18	18F1131	<2.0	<2.0	8.69	<2.0	<4.0	4.93	1	2	0.000	0.693		
2	35430 Snooty Fox Rd., Round Hill, VA	CEN-10	9/18/17	1710843	7.2	10	11	<3	2.8	9.73	1.5	2.8	0.405	1.030	0.350	0.896
			11/14/17	17K0754	25	110	11	2.7	2.3	7.42	2.7	2.3	0.993	0.833		
			3/8/18	18C0486	130	57	40.8	<2.0	2.8	22.7	1	2.8	0.000	1.030		
			6/21/18	18F1134	13	9.6	8.53	<2.0	<4.0	6.01	1	2	0.000	0.693		
3	35571 Sunny Ridge Rd, Round Hill, VA	CEN-10	9/18/17	1710844	5.4	35	14	6	<2	12.6	6	1	1.792	0.000	1.203	0.143
			11/14/17	17K0755	8.8	26	12	<2	<1.3	16.3	1	0.65	0.000	-0.431		
			3/8/18	18C0485	23	76	23	5	<3.3	21.3	5	1.65	1.609	0.501		
			6/21/18	18F1135	35	54	16.4	4.1	<3.3	5.93	4.1	1.65	1.411	0.501		
4	11924 Purcell Rd, Lovettsville, VA	CEN-5	10/16/17	1710883	32	14	9.7	5.4	4.4	7.22	5.4	4.4	1.686	1.482	1.825	1.702
			11/14/17	17K0758	20	44	8	4.4	4.4	5.39	4.4	4.4	1.482	1.482		
			3/9/18	18C0490	100	91	36	7	4.6	27.3	7	4.6	1.946	1.526		
			6/22/18	18F1139	22	17	5.56	12	8.3	4.3	12	8.3	2.485	2.116		
5	16028 Waterford Crest Place, Paeonian Springs, VA	CEN-10	9/29/17	1711386	21	26	9.5	13	3.6	7.17	13	3.6	2.565	1.281	1.667	1.222
			11/14/17	17K0757	20	34	11	2.2	<2	6.98	2.2	1	0.788	0.000		
			3/9/18	18C0493	31	13	18.1	5	11	16	5	11	1.609	2.398		
			6/21/18	18F1136	45	21	11	5.5	<6.7	5.73	5.5	3.35	1.705	1.209		
6	4621 Walton Rd, Louisa, VA	CEN-5	9/28/17	1710839	7.4	13	10	<2	1.1	9.62	1	1.1	0.000	0.095	0.736	0.365
			11/13/17	1710840	6.9	2.5	7.8	5	2.7	5.56	5	2.7	1.609	0.993		
			3/5/18	H8C0013	<2.0	4.6	9.96	<2.0	<2.0	10.3	1	1	0.000	0.000		
			6/14/18	H8C0207	39	23	10.5	3.8	<2.9	7.24	3.8	1.45	1.335	0.372		
7	38719 Morrisonville Rd., Lovettsville, VA	CEN-7	9/29/17	1711385	9.5	8.8	25	10	4.5	28.3	10	4.5	2.303	1.504	2.771	2.253
			11/14/17	17K0756	14	16	30	16	26	36.6	16	26	2.773	3.258		
			3/9/18	18C0492	31	16	47.3	11	14	49.4	11	14	2.398	2.639		
			6/22/18	18F1138	30	8.7	13.3	37	<10	15	37	5	3.611	1.609		
8	3325 Howellsville Rd, Front Royal, VA	CEN-5	3/8/18	18C0487	13	15	12.3	11	9.6	12.1	11	9.6	2.398	2.262	1.054	1.314
			6/21/18	18F1133	<2.0	10	6.6	<2.0	10	6.6	1	10	0.000	2.303		
			9/10/18	1810502	4.8	<4.0	7.32	<3.0	<4.0	7.08	1.5	2	0.405	0.693		
			10/31/18	H8J0037	5.7	2.4	2.52	4.1	1	2.24	4.1	1	1.411	0.000		
9	75 Mitchell Dr, Strasburg, VA	CEN-5	3/8/18	18C0488	16	4.2	16.7	4.3	1.7	14.3	4.3	1.7	1.459	0.531	0.365	0.469
			6/21/18	18F1132	16	4.4	11.5	<2.0	<2.0	9.19	1	1	0.000	0.000		
			9/10/18	1810503	4	13	9.05	<2.0	2.4	8.29	1	2.4	0.000	0.875		
			10/31/18	H8J0035	5.6	2.9	3.05	<2.0	1.6	2.47	1	1.6	0.000	0.470		
10	13046 April Circ, Lovettsville, VA	CEN-5	3/9/18	18C0491	63	48	12.9	13	11	5.87	13	11	2.565	2.398	2.814	1.515
			6/21/18	18F1137	240	42	24.4	120	26	24.9	120	26	4.787	3.258		
			9/10/18	1810505	6.9	5.2	5.35	8.4	<2.0	3.83	8.4	1	2.128	0.000		
			10/31/18	H8J0036	9.7	8.4	3.22	5.9	1.5	2.8	5.9	1.5	1.775	0.405		
11	1715 Castleton Rd, Darlington, MD	CEN-5	9/1/16	16H1838	130	120	16.7	26	10	8.36	26	10	3.258	2.303	2.004	1.324
			11/15/16	16K0913	15	2.8	16	6.8	2.6	14.8	6.8	2.6	1.917	0.956		
			2/3/17	17B0391	10	1	13.2	8.9	0.6	4.79	8.9	0.6	2.186	-0.511		
			5/26/17	17E1489	13	6.5	19.3	19	10	16	19	10	2.944	2.303		
12	161 Antego Dr, Elkton, MD	CEN-5	10/10/17	17J0646	<1.5	12	10.6	<1.5	4.8	13.2	0.75	4.8	-0.288	1.569	1.737	1.553
			8/10/17	17H0679	17	5.8	8.96	4	1.7	8.06	4	1.7	1.386	0.531		
			10/18/17	17J1048	17	15	10.6	6.5	7	9.93	6.5	7	1.872	1.946		
			12/21/17	17L0854	25	25	11.8	19	7.2	10	19	7.2	2.944	1.974		
13	1241 Baldwin Mill Rd, Jarrettsville, MD	CEN-5	3/16/18	18C0929	<2.0	13	6.44	<2.0	<5.0	3.36	1	2.5	0.000	0.916	1.285	1.314
			6/29/18	18F1529	<2.0	14	8.29	12	11	5.85	12	11	2.485	2.398		
			10/7/16	16J0466	13	6.3	6.55	4	1.2	5.8	4	1.2	1.386	0.182		
			1/31/17	17A1523	17	11	16.5	8.2	5.6	21.1	8.2	5.6	2.104	1.723		
13	1241 Baldwin Mill Rd, Jarrettsville, MD	CEN-5	6/30/17	17F1630	69	120	11.1	<3.0	12	6.21	1.5	12	0.405	2.485	1.285	1.314
			10/12/17	17J0648	15	12	7.83	4.5	2	18.3	4.5	2	1.504	0.693		
			11/17/17	17K0860	11	11	8.16	1.9	7.5	7.81	1.9	7.5	0.642	2.015		
			9/11/18	1810571	11	24	8.55	5.3	2.2	6.3	5.3	2.2	1.668	0.788		

14	1711 Castleton Rd, Darlington, MD	CEN-5	9/1/16 11/15/16 2/3/17 5/26/17 8/8/17 10/10/17	16H1837 16K0912 17B0389 17E1488 17H0676 17J0645	30 8.5 6.8 17 16 2.3	51 9.4 3.5 27 8.5 25	14.3 18.3 31.7 9.7 16.8 4.94	10 <2.0 7.3 9.7 11 2.2	18 1 5.8 6.6 19 4.5	18.2 22.3 40.3 6.37 18.2 14.3	10 1 7.3 9.7 11 2.2	18 1 5.8 6.6 19 4.5	2.303 0.000 1.988 2.272 2.398 0.788	2.890 0.000 1.758 1.887 2.944 1.504	1.625	1.831
15	3135 Copenhaver Rd, Street, MD	CEN-5	1/31/17 5/23/17 8/8/17 10/17/17 12/21/17	17B0162 17E1264 17H0678 17J1047 17L0852	12 23 19 17 21	5.7 7 5.8 19 34	23.1 16.5 7.76 14.3 19.5	12 15 <2.0 <3.0 15	4.5 1.6 <0.83 3.2 3.7	25.1 14.3 8.55 17.5 12.4	12 15 1 1.5 15	4.5 1.6 0.415 3.2 3.7	2.485 2.708 0.000 0.405 2.708	1.504 0.470 -0.879 1.163 1.308	1.661	0.713
16	1719 Castleton Rd, Darlington, MD	CEN-5	2/7/17 5/26/17 8/8/17 10/11/17	17B0519 17E1490 17H0677 17J0647	15 25 23 11	38 8.5 19 43	13.5 12.1 12.2 4.8	16 5.3 4.3 4	5.8 2.2 2 11	15.8 11.9 10 9.73	16 5.3 4.3 4	5.8 2.2 2 11	2.773 1.668 1.459 1.386	1.758 0.788 0.693 2.398	1.821	1.409
17	3530 Scarboro Rd, Street, MD	CEN-5	11/18/16 2/7/17 10/18/17 11/22/17 3/16/18 6/29/18 9/11/18	16K0972 17B0520 17J1049 17K0862 18C0927 18F1527 18I0571	6.1 32 11 47 3.0 11 17	69 15 7.7 14 5.5 5.5 17	27.6 13.6 11.9 14.6 17.7 3.84 7.83	10 11 7.5 31 4.5 <2.0 38	30 1.9 <5.0 11 <5.0 3.6 13	31.1 14.3 11 9.45 18.3 3.87 6.32	10 11 7.5 31 4.5 1 38	30 1.9 2.5 11 2.5 2.5 13	2.303 2.398 2.015 3.434 1.504 0.000 3.638	3.401 0.642 0.916 2.398 0.916 0.916 2.565	2.184	1.679
18	538 West Ln, Bel Air, MD	CEN-5	11/22/16 1/31/17 7/6/17 10/13/17 11/22/17 6/29/18	16K1221 17A1525 17G0200 17J0651 17K0863 18F1524	16 8.6 >38 5.6 42 26	13 3.4 43 3.6 11 13	28.7 32.8 9.84 17.4 10.3 11.2	14 12 8.7 2.6 11 8.1	12 5 2.3 2.2 4.4 6	17.4 43.7 7.58 17.6 7.05 6.44	14 12 8.7 2.6 11 8.1	12 5 2.3 2.2 4.4 6	2.639 2.485 2.163 0.956 2.398 2.092	2.485 1.609 0.833 0.788 1.482 1.792	2.122	1.498
19	410 Rockspring Church Rd, Forest Hill, MD	CEN-5	11/17/17 2/9/18 3/13/18 6/29/18 7/27/18	17K0861 18B0505 18C0757 18F1525 18G1328	8.1 11 28 4 14	4.6 7.7 25 9.3 9.7	11.6 24.8 14.3 10.5 8	<2.0 5 11 <2.0 3.9	<2.0 <2.0 <2.9 31 <5.0	11 25.4 16.2 12.5 6.74	1 5 11 1 3.9	1 1 1.45 31 2.5	0.000 1.609 2.398 0.000 1.361	0.000 0.000 0.372 3.434 0.916	1.074	0.944
20	3236 Sudath Ln, Jarrettsville, MD	CEN-5	8/10/17 10/13/17 12/19/17 6/29/18 7/27/18	17H0680 17J0650 17L0851 18F1526 18G1327	7.7 6.9 16 14 29	<1.2 4.8 6.8 70 9.6	9.42 7.71 9.84 7.93 9.63	<2.0 <3.0 7.7 6.5 19	1 <2.0 2.8 <5.0 4.6	7.5 10.5 13.7 21.8 6.42	1 1.5 7.7 6.5 19	1 1 2.8 2.5 4.6	0.000 0.405 2.041 1.872 2.944	0.000 0.000 1.030 0.916 1.526	1.453	0.694
21	1723 Castleton Rd, Darlington, MD	CEN-5	10/11/17 12/21/17 3/16/18 6/29/18 7/27/18	17J0652 17L0853 18C0928 18F1528 18G1329	15 16 <2 29 33	17 5.3 20 66 13	6.53 17.2 54 17.6 32.8	8.7 18 <2.0 16 46	5.8 <5.0 11 32 6.2	11.9 15.3 54 11.9 34.5	8.7 18 1 16 46	5.8 2.5 11 32 6.2	2.163 2.890 0.000 2.773 3.829	1.758 0.916 2.398 3.466 1.825	2.331	2.072
22	400 Rockspring Church Rd, Forest Hill, MD	CEN-5	6/30/17 10/17/17 12/19/17 3/13/18 9/11/18	17F1628 17J1046 17L0850 18C0756 18I0572	30 18 37 21	26 8.4 13 13	11.3 16.4 15.7 10.9	5.1 11 14 7.6 8.9	10 21 <2.0 1.5 5.4	10.1 9 11.9 11.9 8.39	5.1 11 14 7.6 8.9	10 21 1 1.5 5.4	1.629 2.398 2.639 2.028 2.186	2.303 3.045 0.000 0.405 1.686	2.176	1.488

\* 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

	BOD <sub>5</sub>	TSS
Count (N) =	22	22
Degrees of Freedom (N-1) =	21	21
Mean =	1.59	1.22
Std Dev =	0.70	0.57
Std Err =	0.15	0.12
Upper 99% T (1-tailed) =	2.52	2.52
Upper 99% T Conf Int =	1.96	1.53
Upper 99% T Conf Int =	7.1	4.6

Native Values  
Log-Transformed Values