Table 3. Return Water SPDES Data Reported To-Date

DMR Date	Temperature (centigrade)		Flow Rate m 3/second		Dissolved Oxygen (mg/L)		pH (SU)		Total Phosphorus (mg/L)		Reactive Phosphorus (mg/L)		TP Loading lb./day	
	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Min	Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max
Jul-00 [1]	10.33	10.89	1.189	1.306	11	11.1	7.96	8.09	0.0133	0.0136	0.005 [2]	0.005 [2]		
Aug-00	10.2	11.6	1.02	1.3	11	11.5	8	8.1	0.0116	0.013	0.0059	0.0064		
Sep-00	9.8	11.8	0.81	1.38	10.6	10.9	7.9	8.12	0.0122	0.0144	0.0061	0.0069		
Oct-00	9.1	9.8	0.57	0.93	10.4	10.7	7.8	8.1	0.012	0.014	0.0067	0.0081		
Nov-00	8.98	9.75	0.49	0.97	10.9 [3]	12.2 [3]	7.7	8.14	0.014	0.016	0.006	0.008		
Dec-00 [4]	8.2	9.5	0.48	0.67	12.49	12.49	7.85	7.85	0.0109	0.0109	0.0059	0.0059		
Jan-01 [5]	7.3	7.6	0.39	0.52										
Feb-01	8.15	8.6	0.26	0.34	17.59	20.33	7.93	8.06	0.0095	0.011	0.0044	0.0049		
Mar-01	6.56	8.67	0.31	0.44	15.76	18.18	8	8.1	0.0105	0.0116	0.0038	0.0042		
Apr-01	7.9	9.6	0.47	0.7	15.5	17.6	7.97	8.06	0.012	0.014	0.008	0.008		
May-01	9.1	10	0.66	0.86	15.02	18.39	7.9	8.1	0.0114	0.0139	0.0043	0.0053		
Jun-01	10.4	11.4	0.97	1.31	12.01	12.34	7.96	8.08	0.0127	0.0147	0.0049	0.0058		
Jul-01	10.3	11.8	0.98	1.45	11.46	11.59	7.9	8.02	0.012	0.015	0.005	0.0056		
Aug-01	10.7	11.78	1.19	1.52	11.27	11.39	7.84	8.02	0.0139	0.0154	0.0062	0.0069		
Sep-01	9.7	10.8	0.81	1.3	10.84	10.9	7.87	7.95	0.0141	0.0148	0.0068	0.0073		
Oct-01	9.22	10.67	0.64	1.05	10.57	10.79	7.84	8.05	0.012	0.0135	0.0049	0.0061		
Nov-01	9.5	10.44	0.56	0.99	10.41	10.55	7.85	7.88	0.0122	0.0137	0.0061	0.0064		
Dec-01	9.44	10.56	0.48	0.82	10.27	10.35	7.72	7.92	0.0125	0.0128	0.006	0.0064		
Jan-02	9.22	9.44	0.44	0.45	10.55	11.17	7.92	7.96	0.0104	0.011	0.0043	0.0047		
Feb-02	7.89	8.94	0.43	0.44	11.83	11.97	7.69	7.9	0.0155	0.0173	0.0049	0.0052		
Mar-02	8.28	9.33	0.38	0.44	12.21	12.57	7.83	7.9	0.0121	0.0161	0.0038	0.0043		
Apr-02 [6]	9.11	10.94	0.53	1.06	11.69	11.88	7.92	7.98	0.0214	0.0323	0.0037	0.0042		
May-02	9.72	10.78	0.68	1.13	11.53	11.75	7.77	8.02	0.0108	0.0116	0.0029	0.0044		
Jun-02	10.67	11.83	1.09	1.33	11.08	11.26	7.89	8.06	0.0108	0.0121	0.0039	0.0042		
Jul-02	10.72	12	1.47	1.92	11.3	12.79	7.75	7.89	0.0142	0.0178	0.0042	0.0056		
Aug-02	10.5	11.5	1.41	1.82	12.84	15.58	7.75	7.93	0.0095	0.0103	0.0038	0.0047		
Sep-02	10	11	1.2	1.8	15.21	20.85	8	8	0.0096	0.011	0.0037	0.0047		
Oct-02	9.4	10.3	0.7	1.8	12.73	24.68	7.8	8.1	0.0118	0.0136	0.0056	0.0066		
Nov-02	9.2	10.3	0.6	1.7	9.96	10.4	7.6	8	0.0122	0.0139	0.0062	0.0065		
Dec-02	8.6	9.1	0.6	1.2	10.54	10.79	7.5	8.1	0.0083	0.01	0.0033	0.004		
Jan-03	8.2	9.2	0.4	0.5	10.64	11.59	7.5	7.7	0.0103	0.0115	0.0037	0.0048		
Feb-03	7.8	8.2	0.3	0.3	13.4	13.84	7.8	7.9	0.0095	0.0099	0.0039	0.0044		
Mar-03	7.6	9.2	0.3	0.4	12.52	13	7.5	7.9	0.0111	0.0155	0.0032	0.0039		
Apr-03	8.2	9.4	0.4	0.8	12.75	13.3	7.6	7.9	0.0138	0.0169	0.0045	0.0049		
May-03	8.7	9.6	0.6	0.9	12.73	14.6	7.5	7.8	0.012	0.0131	0.0039	0.0046		
Jun-03 [7]	9.4	10.6	1	1.5	12.05	12.2	7.7	7.9	0.0136	0.0159	0.0038	0.0042		
Jul-03	10.4	10.8	1.2	1.6	11.77	12.86	7.6	7.8	0.0111	0.0125	0.0039	0.0051		
Aug-03	10.5	11.6	1.6	2	11.63	12.4	7.1	7.8	0.009	0.0093	0.0051	0.0055		
Sep-03	9.6	10.6	1.2	1.8	11.09	11.31	7.4	7.7	0.0128	0.017	0.0062	0.0073		
Oct-03	9.1	10.1	0.6	0.9	10.27	10.5	7.6	7.7	0.0166	0.0209	0.0065	0.007		
Nov-03	8.9	9.9	0.6	1.2	10.42	10.61	7.7	7.8	0.0201	0.0252	0.0055	0.0061		
Dec-03	8.2	8.8	0.6	1	10.61	10.64	7.6	7.9	0.017	0.0202	0.0048	0.0064		
Jan-04	7.7	9	0.4	0.5	10.82	11.13	7.7	8.1	0.032	0.0561	0.0057	0.0061		
Feb-04	8.5	8.8	0.2	0.2	11.31	11.66	7.9	8.1	0.0154	0.0178	0.0061	0.0063		
Mar-04	7.8	8.5	0.3	0.5	11.72	12.1	7.9	8	0.0141	0.0179	0.0061	0.0066		
Apr-04	8.4	9.7	0.4	0.9	12.25	12.8	7.9	8.1	0.0163	0.0237	0.0062	0.0074		
May-04	9.2	10.2	0.9	1.4	11.88	12.4	7.9	8.2	0.0166	0.0172	0.0064	0.0069		
Jun-04 [8]	9.6	10.8	0.9	1.5	11.76	12.1	7.9	8.3	0.0157	0.0171	0.0065	0.0086		
Jul-04 [9]	10.1	11	1.2	1.5	11.69	12	7.9	7.9	0.0089	0.0104	0.0056	0.007		
Aug-04	9.8	10.9	1.2	1.6	11.7	11.48	7.7	8.3	0.0135	0.0148	0.0066	0.008		
Sep-04	9.5	10.3	1	1.4	10.35	11	7	7.9	0.0127	0.0141	0.0082	0.0093		
Oct-04 [10]	8.9	9.5	0.5	0.8	10.65	10.8	7.6	8	0.0139	0.0161	0.0082	0.01		
Nov-04	8.8	9.4	0.5	0.7	10.35	11	7	7.9	0.0127	0.0141	0.0082	0.0093		
Dec-04 [11]	8.6	9.6	0.5	0.6	10.55	11	7.8	7.9	0.013	0.0138	0.0068	0.0079		
Jan-05	8.5	8.9	0.3	0.5	10.8	11.1	7.8	8.1	0.0153	0.0203	0.0079	0.0088		
Feb-05	8.3	8.9	0.3	0.4	11.28	11.6	7.7	7.8	0.0145	0.0157	0.0072	0.0094		
Mar-05	7.9	8.5	0.3	0.4	12.28	13.4	7.8	7.9	0.0145	0.0172	0.0075	0.0079		
Apr-05	8.2	9.3	0.5	0.8	12.1	12.6	7.8	7.9	0.0218	0.0233	0.0081	0.0086		
May-05	11.4	11.5	1.2	1.2	11.94	12.6	7.5	7.8	0.02	0.0246	0.0083	0.0093		
Jun-05	10.1	10.9	1.3	1.7	11.73	12.1	7.7	7.8	0.0172	0.0199	0.0091	0.012		
Jul-05	10.2	11.1	1.4	1.8	11.8	12.6	7.6	7.7	0.0162	0.0205	0.0097	0.015		
Aug-05	9.9	10.7	1.4	1.7	11.26	11.6	7.8	8	0.0164	0.0188	0.0093	0.0105		
Sep-05	9.5	10.2	1.1	1.6	11	11.1	7.7	8	0.0189	0.0222	0.01	0.0138		
Oct-05	9	10	0.7	1.4	10.48	10.7	7.7	7.9	0.0183	0.0245	0.0104	0.0115		
Nov-05	8.3	9.4	0.7	1.1	10.08	10.6	7.7	7.9	0.0183	0.0213	0.0105	0.0136		
Dec-05	8.3	9.6	0.5	0.7	10.23	10.7	7.6	8	0.0156	0.0183	0.0075	0.0105		
Jan-06	7.3	7.9	0.5	0.5	10.96	11.7	7.6	8.2	0.0185	0.274	0.0079	0.0084		
Feb-06	7	8.5	0.5	0.5	11.43	11.6	8	8.2	0.0151	0.0164	0.0083	0.0091		
Mar-06	7.8	9.1	0.4	0.7	11.6	11.9	7.9	8.1	0.0169	0.0213	0.008	0.0082		
Apr-06	8.3	9.1	0.5	0.7	11.9	12	7.8	8	0.015	0.0167	0.0083	0.0085		
May-06	9.1	10.5	0.8	1.5	11.36	11.7	7.7	8	0.0163	0.019	0.0076	0.0092		
Jun-06	9.6	10.5	1.1	1.7	11.18	11.5	7.9	7.9	0.0198	0.028	0.009	0.009		
Jul-06	10.2	10.9	1.6	1.9	11.42	12.3	7.8	8	0.0161	0.0175	0.0094	0.0097		
Aug-06	9.9	11.4	1.4	2	10.98	11.4	7.7	7.9	0.0169	0.0231	0.0096	0.0103		
Sep-06 [12]	9.4	9.8	1	1.4	10.5	10.8	7.8	7.9	0.0164	0.017	0.0108	0.011		
Oct-06 [13]	9	9.6	0.7	1	10.68	11	7.6	7.7	0.0157	0.0169	0.0100	0.0118		
Nov-06	8.9	9.6	0.6	0.8	9.9	10.3	7.6	7.8	0.0151	0.0179	0.0091	0.0095		
Dec-06	8.7	9.8	0.6	0.9	10.28	10.8	7.5	7.9	0.0151	0.0166	0.0089	0.0096		

DMR Date	Temperature (centigrade)		Flow Rate m ^{3}/second		Dissolved Oxygen (mg/L)		pH (SU)		Total Phosphorus (mg/L)		Reactive Phosphorus (mg/L)		TP Loading lb./day	
	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Min	Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max
Jan-07	8.2	8.9	0.5	0.8	9.78	10.4	7.6	8	0.014	0.0168	0.0081	0.0092		
Feb-07	7.8	8.6	0.3	0.5	10.4	11.4	7.8	8	0.0146	0.0211	0.0079	0.0085		
Mar-07	7.9	8.6	0.3	0.5	10.6	11.6	7.8	7.9	0.0147	0.0174	0.0090	0.0115		
Apr-07	8.3	8.6	0.4	0.8	12	12.1	8	8.1	0.0192	0.0302	0.0089	0.0091		
May-07	8.8	9.6	0.8	1.4	10.93	11.3	7.7	8.1	0.0162	0.00173	0.0097	0.0104		
Jun-07	9.4	10.7	1.2	1.7	11.07	11.2	7.5	8	0.0164	0.0169	0.0100	0.0104		
Jul-07	9.6	10.5	1.3	1.7	11.2	11.6	7.9	8	0.0157	0.0168	0.0103	0.0115		
Aug-07	9.7	10.6	1.4	1.9	11.43	12	7.7	8.5	0.015	0.0161	0.0097	0.0105		
Sep-07	9.4	10.4	1.1	1.8	10.65	11	7.8	8	0.016	0.0182	0.0106	0.0125		
Oct-07	9.1	10	0.9	1.5	10.24	11.2	7.6	7.8	0.0169	0.0188	0.012	0.0142		
Nov-07	8.7	9.3	0.5	1	10.05	10.9	7.5	7.8	0.0158	0.0173	0.0106	0.0114		
Dec-07	8.4	9.5	0.5	0.7	10.65	11	7.8	7.9	0.0142	0.0154	0.0079	0.0094		
Jan-08	7.4	8.5	0.5	0.6	11.22	11.8	7.7	8.1	0.0147	0.0172	0.0079	0.0082		
Feb-08	6.5	6.8	0.5	0.5	11.48	12.2	7.8	7.8	0.0152	0.0171	0.0091	0.0104		
Mar-08	6	6.6	0.5	0.6	11.6	11.9	7.6	7.8	0.0149	0.0164	0.0084	0.0089		
Apr-08	7.8	8.9	0.7	1.1	11.78	12.1	7.7	7.8	0.0135	0.0141	0.008	0.0087		
May-08	8.6	9.5	0.7	1.2	11.53	11.9	7.8	7.9	0.0147	0.0154	0.0084	0.0089		
Jun-08	9.7	10.6	1.3	2	11.65	12	7.9	7.9	0.0173	0.0178	0.0083	0.009		
Jul-08	9.9	10.7	1.5	1.9	11.56	11.9	7.8	7.8	0.0169	0.0179	0.0092	0.0096		
Aug-08	9.6	10.3	1.3	1.7	10.87	11.1	7.8	7.9	0.0148	0.0155	0.0091	0.0099		
Sep-08	9.4	10.7	1.1	1.9	10.4	11.1	7.6	7.7	0.0155	0.0166	0.0082	0.0095		
Oct-08	9	10.4	0.6	1.0	9.78	10.3	7.6	7.7	0.0162	0.0174	0.0087	0.01		
Nov-08	8.7	9.3	0.6	0.9	9.63	10.2	7.5	7.8	0.0176	0.019	0.0101	0.0111		
Dec-08	8.5	10.7	0.5	0.5	10.8	11.1	7.1	7.7	0.0133	0.0184	0.0069	0.0099		
Jan-09	8.4	9.3	0.3	0.4	10.2	11.1	7.5	7.8	0.0126	0.0149	0.0069	0.0072		
Feb-09	7	7.5	0.3	0.4	11.3	12	7.6	7.7	0.0153	0.0181	0.0071	0.0077		
Mar-09	6.9	7.2	0.3	0.5	12.08	12.6	7.7	7.9	0.0166	0.0221	0.0081	0.0087		
Apr-09	7.9	9.8	0.6	1.2	11.63	12.2	7.7	7.8	0.0166	0.0175	0.0085	0.0096		
May-09	9	10	0.8	1.3	12.09	12.6	7.5	7.7	0.0156	0.0173	0.0079	0.0082		
Jun-09 [14]	9.5	10.1	1.1	1.6	11.44	11.6	7.5	7.8	0.0233	0.0501	0.0082	0.0108		
Jul-09	9.4	10.7	1.4	1.8	12	12.5	7.4	8	0.0161	0.0180	0.0087	0.0091		
Aug-09	9.8	10.7	1.6	2	10.88	11.3	7.3	7.6	0.0151	0.0180	0.0085	0.0087		
Sep-09	9.2	10.4	1.1	1.7	10.78	11.7	7.4	7.6	0.0166	0.0186	0.0101	0.0118		
Oct-09	9.1	9.4	0.6	0.8	10.43	10.5	7.4	7.8	0.0158	0.0167	0.0098	0.0109		
Nov-09	9.0	9.7	0.6	1.8	10.03	10.3	7.7	7.8	0.0159	0.0168	0.0103	0.0106		
Dec-09	8.4	9.1	0.6	1.1	10.8	12	7.7	8	0.0136	0.0173	0.0082	0.01		
Jan-10	7.4	8.2	0.5	0.6	11.38	11.5	7.8	8	0.0137	0.0189	0.0067	0.0073		
Feb-10	7.5	9.5	0.4	0.5	11.83	13.1	7.8	7.9	0.0131	0.0136	0.0079	0.0086		
Mar-10	7.2	8	0.5	0.6	11.80	12.3	7.8	7.9	0.0123	0.0160	0.0077	0.0079		
Apr-10	8.8	9.5	0.7	1.2	11.75	12.00	7.6	8.1	0.0154	0.0213	0.0085	0.0094		
May-10	8.9	10.2	1.1	1.8	11.70	12.30	8.0	8.2	0.0137	0.0151	0.0065	0.0078		
Jun-10	10.1	11.0	1.6	2.0	11.44	12.00	7.9	8.0	0.0154	0.0164	0.008	0.0083		
Jul-10	10.3	11.0	1.8	2.0	11.25	11.60	7.9	8.1	0.0137	0.0158	0.0075	0.008		
Aug-10	10.1	10.9	1.7	2.0	10.84	11.00	7.7	8.0	0.0137	0.0150	0.0077	0.0086		
Sep-10	9.5	10.6	1.3	1.9	10.40	10.60	7.7	7.8	0.0140	0.0163	0.0079	0.0096		
Oct-10	8.8	9.8	0.8	1.2	10.63	11.80	7.6	7.8	0.0136	0.0150	0.0087	0.0091		
Nov-10	8.2	9.4	0.9	1.6	10.05	10.20	7.6	7.9	0.0152	0.0158	0.009	0.0115		
Dec-10	7.7	8.9	1.1	1.6	10.68	11.40	7.8	9.2	0.0146	0.0179	0.0066	0.0104		
Jan-11	7.3	8.4	0.5	0.5	11.48	12.00	7.8	7.9	0.0122	0.0124	0.0065	0.0068		
Feb-11	7.7	9.3	0.4	0.5	11.63	12.30	7.7	8.1	0.0128	0.0142	0.007	0.0073		
Mar-11	7.7	8.7	0.4	0.4	11.76	12.20	7.8	9.4	0.0169	0.0226	0.0084	0.0093		
Apr-11	8.3	11.8	0.5	1.3	11.85	12.10	7.6	7.8	0.0178	0.0210	0.0107	0.0155		
May-11	9.6	11.0	0.9	1.6	11.88	12.20	7.6	8.0	0.0171	0.0185	0.01	0.0105		
Jun-11	10.1	11.1	1.2	1.9	11.50	11.70	6.7	7.7	0.0169	0.0186	0.0102	0.0105		
Jul-11	10.2	11.1	1.6	2.0	11.65	12.00	7.5	9.1	0.0173	0.0195	0.0104	0.0107		
Aug-11 [15]	9.9	10.8	1.4	1.9	14.36	16.10	7.4	7.7	0.0174	0.0205	0.0113	0.0127		
Sep-11	9.6	10.8	1.3	1.9	13.55	22.90	7.6	7.6	0.0181	0.0213	0.0106	0.0111		
Oct-11	9.1	9.7	0.7	1.1	10.15	10.50	7.5	7.7	0.0179	0.0201	0.0107	0.0114		
Nov-11	9	9.5	0.5	0.8	10.20	10.60	7.3	7.4	0.0171	0.0206	0.011	0.0118		
Dec-11	8.7	9.2	0.5	0.6	10.28	10.50	7.4	7.6	0.0164	0.0170	0.0108	0.0118		
Jan-12	8.0	8.9	0.5	0.6	11.12	11.50	7.2	7.7	0.0131	0.0143	0.0078	0.0083		
Feb-12	7.4	7.9	0.5	0.5	11.25	11.50	7.4	7.8	0.0136	0.0151	0.0082	0.0083		
Mar-12	8.2	9.4	0.6	0.9	11.83	13.00	7.6	7.8	0.0570	0.0179	0.0085	0.0086		
Apr-12	9.2	10.1	0.6	1.3	11.58	12.20	7.5	7.9	0.0118	0.0123	0.0073	0.0079		
May-12	9.4	10.8	1.1	2.0	11.64	12.00	7.8	7.9	0.0161	0.0194	0.0083	0.0091		
Jun-12	10.0	11.5	1.4	2.0	11.50	12.00	6.7	7.8	0.0164	0.0205	0.009	0.0097		
Jul-12	9.9	10.6	1.7	2.0	11.20	11.40	7.5	7.8	0.0119	0.0137	0.0072	0.0082		
Aug-12	10.3	11.2	1.6	2.0	10.85	11.50	7.3	7.5	0.0129	0.0146	0.0071	0.0084		
Sep-12	9.8	11.2	1.2	1.9	10.35	11.10	7.4	7.5	0.0156	0.0181	0.0094	0.0113		
Oct-12	9.7	10.9	0.8	1.5	10.04	10.40	7.5	7.8	0.0153	0.0173	0.0096	0.0105		
Nov-12	9.5	10.0	0.6	1.0	9.65	10.00	7.7	7.9	0.0154	0.0168	0.011	0.0114		
Dec-12	9.3	10.1	0.5	0.8	10.40	11.00	7.7	7.9	0.0142	0.0154	0.0094	0.0107		
Jan-13	8.6	9.6	0.5	0.5	10.94	11.80	7.6	8.0	0.0109	0.0121	0.0075	0.0083		
Feb-13	8.9	9.2	0.3	0.3	11.85	12.20	8.0	8.1	0.0129	0.0137	0.0083	0.0085		
Mar-13 [16]	8.6	9.2	0.3	0.3	12.23	12.60	8.0	8.1	0.0120	0.0127	0.0081	0.0083		
Apr-13	9.6	10.8	0.4	0.6	11.98	12.50	7.9	8.1	0.0016	0.0122	0.008	0.0083		
May-13	10.1	10.9	0.9	1.7	11.53	11.60	7.9	8.0	0.0125	0.0147	0.0085	0.009	2.2	4.3
Jun-13	10.3	11.2	1.2	1.8	11.28	11.40	7.8	7.9	0.0120	0.0125	0.008	0.0089	2.7	3.9
Jul-13	10.8	11.7	1.6	1.9	11.26	11.70	7.7	7.8	0.0142	0.0167	0.009	0.0103	4.5	5.3
Aug-13	10.5	11.3	1.3	1.9	10.28	11.30	7.7	7.8	0.0132	0.0153	0.0088	0.0108	3.5	3.7
Sep-13	10.2	11.5	1	1.8	10.73	11.00	7.7	0.8	0.0139	0.0163	0.0096	0.0113	2.7	5.0

DMR Date	Temperature (centigrade)		Flow Rate m ^{3}/second		Dissolved Oxygen (mg/L)		pH (SU)		Total Phosphorus (mg/L)		Reactive Phosphorus (mg/L)		TP Loading lb./day	
	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Min	Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max
Oct-13	9.9	10.9	0.8	1.5	10.42	10.70	7.5	7.7	0.0157	0.0190	0.0105	0.0117	2.1	3.0
Nov-13 [17]	9.4	10.0	0.6	1.0	10.28	10.80	7.5	7.9	0.0147	0.0182	0.0093	0.0119	1.8	2
Dec-13	8.9	10.0	0.5	0.7	10.45	10.70	7.5	7.9	0.0015	0.0130	0.0075	0.0087	1.1	1.2
Jan-14	7.4	7.8	0.4	0.5	11.20	11.50	7.6	8.0	0.0121	0.0147	0.008	0.009	1.0	1.2
Feb-14	6.8	8.4	0.4	0.4	11.40	12.30	7.7	8.1	0.0128	0.0158	0.0085	0.0088	0.9	1.0
Mar-14	8.4	9.4	0.2	0.3	12.28	12.70	7.7	7.9	0.0133	0.0136	0.009	0.0095	0.6	0.6
Apr-14	7.3	10.0	0.5	0.7	12.38	12.50	7.7	8.1	0.0150	0.0170	0.01	0.0104	1.2	1.5
May-14	9.4	10.6	0.7	1.3	12.00	12.20	7.4	7.7	0.0153	0.0174	0.0105	0.0118	2.1	3.6
June-14	10.4	11.1	1.1	1.7	11.68	11.80	7.5	7.8	0.0165	0.0176	0.0109	0.0116	4.1	4.5
July-14	10.1	10.9	1.3	1.9	11.32	11.60	7.4	7.6	0.0163	0.0168	0.0112	0.0117	4.8	5.7
Aug-14	10.1	10.7	1.2	1.6	11.05	11.40	7.3	7.6	0.0170	0.0180	0.0119	0.0122	4	4.7
Sept-14	9.6	10.8	1	1.8	10.66	11.20	7.3	7.7	0.0162	0.0171	0.0114	0.0119	3.3	5.5
Oct-14	9.0	10.3	0.7	1.4	9.90	10.10	7.4	7.7	0.0173	0.0204	0.0129	0.015	2.8	3.7
Nov-14	8.5	9.4	0.5	0.7	10.18	10.20	7.3	7.5	0.0183	0.0220	0.0131	0.0137	1.8	2.2
Dec-14	8.6	9.2	0.5	0.5	11.02	11.30	7.4	8.0	0.0171	0.0246	0.0086	0.0113	1.6	2.4
Jan-15	6.9	7.9	0.5	0.5	11.90	12.20	7.9	8.1	0.0137	0.0142	0.0084	0.0087	1.3	1.4
Feb-15	6.1	7.0	0.4	0.4	12.38	12.40	8.0	8.1	0.0128	0.0136	0.0098	0.0137	0.9	1.0
Mar-15	7.3	9.9	0.3	0.4	12.64	12.90	8.0	8.2	0.0134	0.0150	0.0094	0.0099	0.8	1.0
April-15	7.8	10.2	0.4	0.5	12.68	13.20	8.1	8.1	0.0155	0.0189	0.0097	0.0102	1.1	1.4
May-15	10.0	11.4	0.8	1.3	12.05	12.20	8.0	8.1	0.0152	0.0161	0.0097	0.0100	2.8	3.5
June-15	9.9	10.9	1.1	1.8	11.22	12.10	7.4	7.6	0.0178	0.0210	0.0102	0.0111	4.4	6.6
July-15	9.9	10.7	1.4	1.8	11.30	12.50	7.5	7.7	0.0189	0.0213	0.0107	0.0115	5.4	6.0
Aug-15	10.0	11.3	1.3	1.7	10.98	11.30	7.7	8.0	0.0175	0.0199	0.0123	0.013	4.6	5.5
Sept-15	10.2	11.5	1.2	1.7	10.96	11.10	7.7	8.0	0.0192	0.0207	0.013	0.0137	4.6	6.1
Oct-15	9.3	13.6	0.2	0.7	10.60	10.60	7.7	7.8	0.0209	0.0225	0.0131	0.0137	0.9	2.2
Nov-15	9.0	10.0	0.6	1.0	10.58	10.80	7.8	7.9	0.0203	0.0215	0.0127	0.0131	2.2	2.8
Dec-15	8.8	9.9	0.5	0.7	10.70	11.00	7.9	7.9	0.0179	0.0198	0.0116	0.0119	1.9	2.8
Jan-16	8.2	9.4	0.5	0.5	10.83	10.90	8.0	8.1	0.0126	0.0142	0.008	0.0087	1.2	1.3
Feb-16	9.1	10.6	0.3	0.5	11.15	11.40	8.0	8.1	0.0146	0.0161	0.0086	0.0087	0.9	1.1
Mar-16	9.7	11.0	0.3	0.5	11.58	12.00	8.1	8.2	0.0167	0.0187	0.0091	0.0094	1	1.2
Apr-16	9.1	10.2	0.5	0.7	11.85	12.10	8.1	8.1	0.0172	0.0187	0.0091	0.0096	1.3	1.5
May-16	9.3	10.6	0.8	1.8	11.48	11.90	8.0	8.1	0.0146	0.0158	0.0089	0.0101	1.8	2.5
Jun-16	9.0	10.3	1.4	1.8	11.24	11.60	8.0	8.1	0.0159	0.0180	0.0096	0.0115	4.1	6.2
Jul-16	9.5	10.9	1.8	1.9	10.73	11.10	7.9	8.0	0.0141	0.0152	0.0088	0.01	5	5.3
Aug-16	10.2	11.4	1.7	1.9	10.20	10.60	7.8	8.0	0.0158	0.0174	0.01	0.0113	4.7	5.4
Sept-16	9.9	11.1	1.2	1.9	10.03	10.40	7.8	8.0	0.0164	0.0183	0.0112	0.013	4	4.6
Oct-16	9.3	10.3	0.7	1.5	9.80	10.00	7.8	7.9	0.0178	0.0197	0.0122	0.0131	3.1	5.5
Nov-16	9.1	10.5	0.7	1.4	9.68	10.10	7.8	8.1	0.0174	0.0188	0.0105	0.013	2.3	3.6
Dec-16	8.9	9.8	0.6	1.5	10.25	10.90	7.9	8.0	0.0171	0.0210	0.0096	0.0125	1.6	2.0
Jan-17	8.1	8.6	0.4	0.5	11.04	11.60	7.9	8.1	0.0147	0.0170	0.0086	0.0093	1.1	1.5
Feb-17	7.7	8.8	0.4	0.6	11.78	12.10	8.0	8.1	0.0145	0.0162	0.0089	0.009	1.2	1.3
Mar-17	7.5	9.3	0.4	0.5	11.45	11.70	8.0	8.1	0.0136	0.0148	0.0083	0.0087	1.1	1.2
Apr-17	8.5	10.0	0.6	1.1	11.50	11.70	8.0	8.2	0.0133	0.0135	0.0087	0.0091	1.5	2.0
May-17 [18]	9.2	10.1	0.7	1.5	11.13	11.30	8.0	8.0	0.0158	0.0175	0.0108	0.0115	2.1	2.7
Jun-17	9.9	11.1	1.3	1.9	10.98	11.20	7.5	8.0	0.0163	0.0180	0.0106	0.0111	3.6	5.1
Jul-17	10.0	10.9	1.7	2.0	10.70	10.80	7.4	8.0	0.0172	0.0195	0.0116	0.0124	5.4	6.7
Aug-17	9.9	11.2	1.5	1.9	10.18	10.90	7.7	8.0	0.0168	0.0173	0.0118	0.013	5.1	6.1
Sept-17	9.8	10.8	1.2	1.9	10.13	10.30	7.6	8.0	0.0187	0.0206	0.013	0.0135	5.5	7.0
Oct-17	8.8	10.3	0.9	1.6	9.98	11.20	7.8	7.9	0.0214	0.0238	0.014	0.0155	3.7	7.9
Nov-17	9.0	10.3	0.7	1.7	9.85	10.10	7.8	7.9	0.0198	0.0210	0.0128	0.0136	2	2.2
Dec-17 [19]	8.8	9.7	0.5	0.5	10.20	10.60	7.7	8.0	0.0169	0.0206	0.0109	0.0128	1.6	2.0
Jan-18 [20]	7.7	9.8	0.4	0.5	11.18	11.60	7.9	8.1	0.0161	0.0201	0.01	0.0132	1.2	1.3
Feb-18 [20]	7.2	9.8	0.5	0.6	11.40	11.70	7.8	8.1	0.0149	0.0157	0.0099	0.0103	1.3	1.8
Mar-18 [20]	6.6	7.2	0.5	0.6	12.00	12.30	7.7	7.9	0.0150	0.0161	0.0099	0.0103	1.4	1.7
Apr-18	7.6	9.7	0.4	0.5	12.13	12.40	8.0	8.4	0.0178	0.0252	0.0096	0.0099	1.6	2.1
May-18	9.8	10.8	0.9	1.4	11.80	12.10	8.0	8.3	0.0168	0.0187	0.0105	0.0121	3.1	4.6
Jun-18	9.6	11.4	1.1	1.7	10.95	11.50	7.7	8.0	0.0182	0.0204	0.0124	0.0146	3.5	4.3
Jul-18	10.0	11.8	1.6	1.9	9.98	10.90	7.6	8.0	0.0152	0.0181	0.0105	0.0124	5	6.4
Aug-18	10.0	11.3	1.8	2.0	9.35	10.90	7.5	7.8	0.0161	0.0191	0.0113	0.0137	5.7	6.0
Sept-18	9.9	11.2	1.4	2.0	9.18	10.50	7.5	7.7	0.0177	0.0189	0.0133	0.0149	4.9	6.2
Oct-18	8.8	10.3	0.8	1.9	9.98	11.20	7.4	7.5	0.0196	0.0226	0.0138	0.0155	3.7	7.9
Nov-18	8.3	9.1	0.6	0.7	10.18	10.30	7.3	7.6	0.0170	0.0179	0.0134	0.0147	1.8	1.9
Dec-18	8.2	9.0	0.5	0.7	10.55	11.10	7.4	7.6	0.0146	0.0160	0.0094	0.0113	1.5	1.7
Jan-19	7.0	7.7	0.5	0.5	10.40	11.00	7.3	7.8	0.0136	0.0152	0.0099	0.0105	1.3	1.6
Feb-19	8.0	8.9	0.3	0.4	11.60	12.20	7.5	7.5	0.0141	0.0154	0.0108	0.0111	0.8	1.0
Mar-19	7.7	8.9	0.4	0.5	11.24	12.27	7.9	8.1	0.0155	0.0183	0.0088	0.0096	1.3	1.5
Apr-19	8.0	9.2	0.5	0.9	10.50	11.40	7.5	7.7	0.0139	0.0143	0.01	0.0125	1.4	2.1
May-19	8.8	10.0	0.8	1.3	11.03	11.50	7.5	7.7	0.0144	0.0160	0.0118	0.0124	1.9	2.8
Jun-19	9.6	10.4	1.2	1.8	9.46	10.50	7.3	7.6	0.0163	0.0211	0.0135	0.0159	3.9	7
Jul-19	10.0	11.0	1.8	2.0	10.71	11.01	7.1	7.7	0.0172	0.0185	0.0155	0.0172	5.7	6.4
Aug-19 [21]	9.7	10.7	1.5	1.9	9.73	10.20	7.1	7.4	0.0155	0.0181	0.0143	0.0157	4.7	5.3
Sept-19 [22]	9.4	10.7	1.2	1.9	9.81	10.00	7.2	7.7	0.0155	0.0174	0.0146	0.0149	3.6	4.4
Oct-19	8.8	10.3	0.8	1.7	9.15	9.90	7.1	7.6	0.0164	0.0182	0.0158	0.0181	3	5.6
Nov-19 [23]	8.5	9.5	0.7	1.5	8.21	9.67	6.8	7.6	0.0181	0.0199	0.0157	0.0175	2.6	4.8

DMR Date	Temperature (centigrade)		Flow Rate m ^{3}/second		Dissolved Oxygen (mg/L)		pH (SU)		Total Phosphorus (mg/L)		Reactive Phosphorus (mg/L)		TP Loading lb./day	
	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Min	Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max
Dec-19 [23]	8.4	8.9	0.6	1.2	9.59	11.79	7.0	7.8	0.0146	0.0182	0.0105	0.0138	1.4	1.9
Jan-20	7.7	8.4	0.5	0.6	10.59	11.14	6.8	7.7	0.0151	0.0194	0.0099	0.0104	1.5	1.9
Feb-20	7.2	7.5	0.5	0.5	10.49	10.97	7.0	8.0	0.0148	0.0162	0.0098	0.0102	1.3	1.5
Mar-20	7.7	8.9	0.4	0.5	11.24	12.27	7.9	8.1	0.0155	0.0183	0.0088	0.0096	1.3	1.5
Apr-20	8.1	9.5	0.5	0.5	10.80	10.90	8.1	8.2	0.0188	0.0274	0.0102	0.0112	1.6	2.3
May-20	9.1	10.5	0.9	1.9	9.88	11.24	7.9	8.1	0.0150	0.0168	0.0097	0.0105	2.6	5.7
Jun-20 [24]	9.9	10.8	1.5	2.0	10.96	11.31	7.9	8.1	0.0160	0.0175	0.0133	0.0228	4.9	6.2
Jul-20	10.4	11.2	1.9	2.0	11.13	11.72	7.2	8.0	0.0157	0.0162	0.0117	0.0119	5.7	5.9
Aug-20 [10]	10.0	10.7	1.8	2.0	9.90	10.22	7.9	7.9	0.0154	0.0173	0.0127	0.0133	5.4	6.5
Sept-20	9.6	10.6	1.3	1.9	10.83	11.28	7.7	7.9	0.0160	0.0183	0.0124	0.0136	3.7	4.8
Oct-20	9.4	9.8	0.8	1.6	10.18	10.78	7.5	7.8	0.0182	0.0199	0.0137	0.0155	2.5	3.2
Nov-20	8.8	9.6	0.9	1.7	9.94	10.42	7.3	7.8	0.0160	0.0186	0.012	0.0138	3.3	4.4
Dec-20	8.4	8.9	0.9	1.7	10.04	10.55	7.0	7.8	0.0138	0.0183	0.0097	0.0128	2.4	2.9
Jan-21	8.0	8.3	0.5	0.6	10.84	11.14	7.3	7.7	0.0115	0.0137	0.0094	0.0097	1.2	1.5
Feb21	7.9	8.4	0.04	0.4	11.77	12.62	7.2	7.4	0.0141	0.0154	0.0097	0.0099	1	1.2
Mar-21	8.1	9.9	0.4	0.7	11.82	12.00	7.5	8.0	0.0145	0.0202	0.009	0.0098	1.1	1.3
Apr-21	8.3	9.7	0.6	1.1	11.58	11.85	7.9	8.0	0.0125	0.0129	0.0087	0.0093	1.5	2.1
May-21	9.3	10.2	0.9	1.7	11.24	11.53	8.0	8.1	0.0145	0.0174	0.0087	0.0103	3.2	5.0
Jun-21	10.0	11.0	1.5	2.0	10.42	11.28	7.9	8.0	0.0155	0.0187	0.0095	0.0106	4.1	6.1
Jul-21	9.9	10.8	1.7	2.0	10.46	11.44	7.2	8.2	0.0162	0.0170	0.0107	0.0117	5.9	6.2
Aug-21	10.3	11.0	1.8	2.0	10.55	10.86	7.2	8.1	0.0141	0.1600	0.0114	0.0143	4.8	5.7
Sept-21	9.5	10.2	1.4	1.9	10.10	10.18	7.2	7.7	0.0154	0.0160	0.0123	0.0131	4.3	4.9
Oct-21	9.1	10.0	1.1	1.8	9.80	10.03	7.0	7.4	0.0179	0.0201	0.0134	0.0156	4	5.4
Nov-21	8.5	8.7	0.7	1.3	9.68	9.88	7.2	7.5	0.0185	0.0191	0.0133	0.0147	2.4	2.8
Dec-21	8.1	8.9	0.7	1.4	9.74	9.86	7.2	7.5	0.0185	0.0197	0.0139	0.015	2.4	2.8
Jan-22	8.1	8.9	0.4	0.7	11.10	11.34	7.2	7.5	0.0152	0.0154	0.0103	0.0106	1.3	1.3
Feb-22	7.5	8.7	0.4	0.4	11.16	11.44	7.4	7.9	0.0172	0.0200	0.0111	0.0119	1.3	1.5
Mar-22	7.5	9.2	0.4	0.5	11.75	11.98	7.9	8.0	0.0186	0.0189	0.0131	0.0154	2.1	2.2
Apr-22	8.4	10.2	0.5	0.7	11.46	11.60	8.0	8.0	0.0165	0.0194	0.0122	0.0125	1.5	1.8
May-22	9.7	10.4	1	1.7	11.30	11.46	7.9	8.0	0.0177	0.0190	0.0123	0.0125	3.1	5.8
Jun-22	9.4	10.3	1.3	1.9	11.25	11.38	7.8	8.0	0.0181	0.0194	0.0131	0.0141	4.4	5.0
Jul-22	9.8	10.7	1.7	2.0	11.17	11.38	7.7	8.0	0.0171	0.0182	0.0129	0.0142	5.8	6.4

2 - The data reported for soluble reactive phosphorus in July 2000 is from one sampling date, 7/27/2000, during the last calendar week of July. The SPDES permit requires soluble reactive phosphorus samples to be analyzed weekly. Although a sample was collected by Cornell University during the third calendar week of July, the sample was not analyzed due to laboratory error. This error has been corrected.

3 - One of the five samples analyzed for dissolved oxygen had a false high result and was eliminated from reporting on this DMR on the recommendation of our consultant/analytical laboratory, Upstate Freshwater Institute Inc.

4 - The LSC discharge was shut down for emergency repairs on December 8, 2000 and remained off line for the rest of the month of December. The data reported on the DMR is reflective of monitoring conducted between December 1 and December 8 (samples collected weekly, so the data is from one sampling event).

5 - Please note that there are no data presented in the DMR for effluent parameters DO, pH, total phosphorus, and reactive phosphorus. The LSC discharge was shut down for emergency repairs on December 8, 2000 and remained off line until January 29, 2001. Effluent sampling was conducted the week of January 29 as required by the permit; the effluent sample was collected on Thursday February 1. The effluent data for the sample collected during the last week of January will be included with the data presented in the February DMR.

6 - Analytical results from 4/18/02 were not included in these calculations because holding times were exceeded.

7 - Flow and temperature data for 6/11/03 and 6/14/03 were missing and could not be included in the calculation.

8 - Analyses for Total Phosphorus and Soluble Reactive Phosphorus from plant effluent samples on 6/7/04 were invalidated due to laboratory error and were not included in the monthly calculated averages and maximum values.

9 - Plant effluent samples for Soluble Reactive Phosphorus on 7/19/04 failed quality assurance at the analytical laboratory and were not included in the monthly calculated averages and maximum values.

10 - 17 hours of plant temperature and flow data were missing from 10/17/04 and therefore could not be included in the plant effluent temperature and flow averages and maximums.

11 - The sample for Soluble Reactive Phosphorus on 12/20/04 failed quality assurance at the analytical laboratory and was not included in the monthly calculated averages and maximum values. The Phosphorus samples from 12/27/04 exceeded hold times and were not included in the monthly calculated averages and maximum values.

12 - The plant temperature and flow data were missing from 9/23/06-9/26/06 and therefore could not be included in the plant effluent temperature and flow averages and maximums.

13 - The sample for Dissolved Oxygen on 10/15/06 was broken during shipment to the analytical laboratory and was not included in the monthly calculated averages and maximum values.

14 - Average and maximum TP includes data from a suspect sample collected on 6/23/09. This data was included because it passed lab QC. Sample collection procedures are being modified as a corrective action.

15 - The plant flow data is missing from 8/1/11 - 8/6/11 and is not included in the monthly average and maximum flow values. CU has not been able to recover this data

16 - Plant flow data for 3/1/13 - 3/3/13 is missing and is not included in the monthly average and maximum flow value. CU has not been able to recover this data

17 - Master meter flow data was missing for 11/23/13 so the flow data was estimated based on the secondary flow meters at the facility for that date

18 - Weekly dissolved oxygen sample from 5/23/17 was lost by the lab

19 -One of three triplicate TP samples was not included in the average TP for the 12/12/2017 sample date. This sample was excluded because the lab reported that zooplankton was visibly present in the sample

20 - There was missing effluent flow and temperature data from 1/24/18 - 3/22/18 due to a PLC replacement project. An average flow measurement was used for this time period, based on the pump flow set point. Weekday daily measurements were recorded beginning on 2/7/2018 and these records were used to calculate average and maximum effluent flow and temperature parameters for the month. For days with no measurements, flow data was estimated.

21 - SRP sample results from 8/6/19 not included in the SRP monthly average and SRP monthly maximum due to lab analytical error.

22 - SRP sample results from 9/17/19 not included in the SRP monthly average and SRP monthly maximum due to lab instrument error.

23 - Weekly samples from 11/26/19, 12/3/19 and 12/17/19 for for Dissolved Oxygen were lower than normal but were still included in the average and maximum calculation for DO. Lab is sending fresh reagents for the DO sample fixation.

24 - One of the SRP sample results from 6/16/20 was suspect but was still included in the monthly average and monthly maximum SRP calculation.

General Notes

DMR Date	Temperature (centigrade)		Flow Rate m $^{3/}$second		Dissolved Oxygen (mg/L)		pH (SU)		Total Phosphorus (mg/L)		Reactive Phosphorus (mg/L)		TP Loading lb./day	
	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Min	Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Daily Avg.	Daily Max

To comply with changes in the NYS DEC DMR Manual for Completing the Discharge Monitoring Report for the State Pollutant Discharge Elimination System, sample measurements will be reported in the same number of significant digits that are specified in the permit. All calculations will be performed prior to any rounding, and, when rounding, if the digit being dropped is 0-4, the preceding number will be left as is, if the digit being dropped is 5-9, the preceding number will be increased. This change took effect for the reporting of September 2002.

Since June 2002, reactive phosphorus results below the limit of detection of 0.3 µg/L have been changed to 0.3 µg/L for all DMR calculations. Prior to this a value of ½ the limit of detection was used for DMR calculations.