

PLANT INFLUENT						EFFLUENT						EXCESS THERMAL LOAD						EFFLUENT NUTRIENTS							
DATE	FLOW MGD	pH SU	CBOD mg/l	TSS mg/l	PH SU	CBOD mg/l	% CBOD REM	CBOD LBS	TSS mg/l	% TSS REM.	SS LBS	CI2 RES mg/l	CI2 LBS USED	E. coli BACTER col/100m	EFF Temp Max ° C	7-Day Avg Eff Max ° C	7-Day Ave Riv CFS	Load Limit Mgal/s/d	Thermal Credit Mgal/s/d	7 Day Ave ETL Mgal/s/d	NH3-N mg/l	NO2 + NO3-N mg/l	TKN mg/l	TOTAL PHOS mg/l	
1	15.1	6.9	249	229	7.1	5.6	98	715	8.7	96	1096	0.000	378	8	22.8	22.7	1408	1022	0	513					
2	15.3	7.0			7.0	5.6	98	715	8.3	96	1059	0.000	440	8	22.8	22.7	1399	1017	0	514					
3	15.3	7.0			7.0	5.6	98	715	7.1	96	906	0.000	554	4	22.2	22.6	1383	1006	0	508					
4	15.1	7.3	110	185	7.3	1.9	98	239	3.9	98	491	0.000	370	4	22.2	22.5	1381	1004	0	501					
5	15.0	7.3			7.4	3.5	98	414	4.7	97	588	0.000	317	4	21.9	22.4	1383	1005	0	493					
6	14.2	7.3	143	200	7.3	2.4	98	296	5.5	97	661	0.000	378	8	21.6	22.1	1385	1007	0	486					
7	14.4	6.8			7.0	3.8	97	475	6.6	97	793	0.000	440	8	21.8	22.0	1385	1006	0	466					
8	14.8	7.0	150	203	7.1	3.2	97	475	7.8	96	919	0.000	387	8	21.9	21.9	1386	1007	0	458					
9	15.0	7.1	125	207	7.3	3.4	98	420	8.2	96	1026	0.000	510	8	21.7	21.8	1387	1008	0	450					
10	14.8	7.3			7.3	3.6	98	489	6.3	97	778	0.000	352	8	21.4	21.7	1389	1009	0	443					
11	14.8	7.2	182	202	7.3	3.9	97	478	6.9	97	852	0.000	704	8	21.6	21.5	1401	1018	0	443					
12	14.8	7.2			7.0	3.2	97	555	6.3	94	772	0.000	352	4	21.5	21.6	1410	1025	0	443					
13	14.7	7.2	138	213	7.1	3.2	97	555	12	94	919	0.000	387	4	21.8	21.7	1419	1031	0	451					
14	14.7	7.0			7.0	3.2	97	555	6.8	96	1058	0.000	502	4	21.6	21.6	1468	1067	0	513					
15	16.2	7.0	116	152	7.1	3.6	98	489	6.1	96	870	0.000	466	4	21.2	21.5	1502	1091	0	515					
16	20.8	7.0			7.2	3.6	98	489	5.7	97	715	0.000	378	4	21.3	21.5	1520	1105	0	522					
17	17.1	7.2	150	173	7.3	4.0	96	719	5.8	97	784	0.000	361	4	21.3	21.5	1534	1115	0	524					
18	16.3	7.4			7.3	4.8	96	697	5.6	97	719	0.000	405	4	20.5	21.3	1543	1122	0	515					
19	15.8	7.3	134	178	7.0	4.8	96	697	5.7	96	718	0.000	405	4	20.3	21.1	1553	1129	0	505					
20	15.4	7.1			7.0	4.8	96	697	7.0	96	1016	0.000	361	4	20.2	20.9	1531	1112	0	474					
21	15.1	6.7	107	182	7.1	2.9	98	406	5.6	97	869	0.000	466	4	20.2	20.7	1532	1107	0	467					
22	17.4	7.0			6.9	3.7	97	491	6.2	97	889	0.000	580	4	20.4	20.6	1531	1112	0	457					
23	17.3	6.9	155	206	7.0	3.7	97	491	6.8	96	936	0.000	466	4	20.4	20.5	1542	1120	0	452					
24	16.8	6.6			7.9	4.4	97	554	6.8	96	1286	0.000	414	4	20.5	20.4	1551	1127	0	446					
25	16.5	7.3	121	240	7.1	4.4	97	554	7.5	96	963	0.000	431	4	20.4	20.4	1558	1132	0	447					
26	15.9	7.4			7.2	4.0	97	514	8.7	96	1096	0.000	320	4	20.4	20.4	1563	1135	0	437					
27	15.4	7.1	135	220	7.1	4.0	97	514	7.5	96	963	0.000	320	4	20.8	20.5	1556	1130	0	436					
28	15.1	7.0			7.1	4.0	97	514	7.7	96	989	0.000	414	12	20.7	20.5	1546	1123	0	443					
29	15.4	7.0	139	205	7.1	4.0	97	514	6.8	96	930	0.000	466	12	22.8	22.7	1563	1136	0	524					
30	15.4	7.0			7.4	5.6	98	719	12	98	1508	0.000	704	12	20.2	20.4	1361	1004	0	436					
31	16.4	7.3				3.8	97	498	6.9	96	903	0.000	436	5	21.3	21.5	1466	1065	0	479					
TOTAL	486.5																								
MAX	20.8	7.9	249	240	7.9	5.6	98	719	12	98	1508	0.000	704	12	22.8	22.7	1563	1136	0	524					
MIN	14.2	6.4	107	152	6.9	1.9	96	239	3.9	94	491	0.000	317	4	20.2	20.4	1361	1004	0	436					
AVG	15.7		144	200		3.8	97	498	6.9	96	903	0.000	436	5	21.3	21.5	1466	1065	0	479					
PERMIT STANDARD	20.0				6.0-9.0	M-10 W-15	85	M-1700 W-2600 D-3400	M-10 W-15	85	M-1700 W-2600 D-3400	M-0.02 D-0.04	M-126 D-406								M-13 D-25				

Comments: None. FLOW METER CALIBRATION: EQUIPMENT BREAKDOWNS AND/OR BYPASSING: No treatment plant bypasses or collection system overflows.

NOTE - Both of the 10/4, 10, 16, 22, 28 glucose-glutamic acid test duplicate bottles depleted too little to fall within the critical range. The amount of depletion attributable to seed was <0.6mg/l in the 10/14 FE CBOD, and >1.0mg/l in the 10/20, 28 FE BOD tests. Both of the dilution water blanks depleted >0.2 mg/l on 10/28.

11/11/11
 Ron Forstyn, RD MANAGER
 Collection System Supervisor
 Treatment Systems Grade IV