

Licence # 2684 RRR	File # 1071.1	Final Effluent 24 Hour Composite							Final Effluent Grab Sample			
Date	Raw Sewage Daily Flow	TSS	BOD5	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform	E.Coli
	ML	(mg/L)	(mg/L)	(mg/L)	(kg NH3-N/day)	(mg/L-P)	(mg/L-P)*	(mg/L-N)*	(°C)	(units)	MPN/100 mL	
1-Jun-22	621.0	51	25	22.0	4148	0.530	1.4	19.6	11.9	7.43	>24,200	>24,200
2-Jun-22	485.9	19	13	11.0	4300	0.650	1.4	19.6	11.6	7.42	>24,200	>24,200
3-Jun-22	383.0	12	6	5.0	4213	0.750	1.4	19.5	12.1	7.30	170	170
4-Jun-22	331.5	13	6	4.0	4044	0.840	1.4	19.5	12.6	7.20	50	80
5-Jun-22	296.2	4	6	4.0	4028	1.050	1.4	19.4	13.0	7.31	30	30
6-Jun-22	287.3	5	8	4.0	4654	1.260	1.4	19.3	13.2	7.21	30	10
7-Jun-22	264.5	6	11	4.0	4761	1.400	1.4	19.5	13.6	7.20	30	20
8-Jun-22	240.6	6	12	5.0	4668	1.520	1.4	19.8	13.7	7.13	30	40
9-Jun-22	233.0	3	11	4.0	4916	1.400	1.4	20.1	14.2	7.00	30	30
10-Jun-22	221.1	5	15	5.0	4820	1.780	1.4	20.3	14.5	6.96	40	20
11-Jun-22	211.0	21	23	13.0	4410	1.780	1.4	20.5	15.1	7.01	10	10
12-Jun-22	490.5	57	59	21.0	5003	0.920	1.5	20.5	15.4	6.96	>24,200	>24,200
13-Jun-22	301.0	25	22	13.0	4846	1.410	1.5	20.5	14.7	7.14	400	230
14-Jun-22	570.4	49	28	19.0	5761	0.810	1.5	20.2	15.9	7.09	>24,200	>24,200
15-Jun-22	368.5	40	27	22.0	5048	1.030	1.5	19.9	15.1	7.20	590	490
16-Jun-22	513.7	15	13	7.0	6216	0.860	1.4	19.8	14.7	7.16	9140	17300
17-Jun-22	304.9	9	9	na	6494	1.460	1.5	20.2	14.8	7.17	150	180
18-Jun-22	274.2	7	na	na	5950	1.800	1.5	20.5	14.8	7.09	>24,200	>24,200
19-Jun-22	244.4	7	15	6.0	5035	1.630	1.5	20.9	15.6	7.09	50	50
20-Jun-22	235.6	6	11	4.0	5348	1.900	1.5	21.3	15.7	7.03	30	20
21-Jun-22	430.7	23	26	15.0	6331	1.360	1.5	21.4	15.7	7.02	>24,200	>24,200
22-Jun-22	340.1	8	12	5.0	5884	1.160	1.6	21.5	16.3	7.16	1080	1420
23-Jun-22	261.0	26	15	5.0	5559	1.950	1.6	21.7	16.2	7.04	380	380
24-Jun-22	392.0	67	39	26.0	4939	1.170	1.6	21.2	16.4	6.98	230	150
25-Jun-22	654.2	37	22	15.0	5463	0.680	1.6	20.6	16.6	7.22	>24,200	>24,200
26-Jun-22	395.0	13	14	6.0	4661	1.400	1.6	20.2	15.8	7.28	1150	1040
27-Jun-22	325.7	10	14	4.0	5081	1.520	1.6	20.0	15.5	7.20	600	360
28-Jun-22	279.4	5	8	<4	5504	1.560	1.6	20.2	16.0	7.15	300	310
29-Jun-22	260.0	18	14	6.0	6032	1.630	1.6	20.6	16.0	7.10	40	10
30-Jun-22	242.1	8	6	<4	5447	1.660	1.7	21.2	16.5	7.10	40	70
Max	654.2											
Min	211											
Average	348.6	19	17	9	5119	1.3			14.8	7.14		
Total Flow	10458.5											
Geo.Mean											423	378

Notes:

- (1) Effluent ammonia load based upon Raw Sewage flows and Final NH3-N concentrations
- (2) nr - not recorded or no result; na - not analyzed; ns - no sample; o/l - offline; im - instrument maintenance
- (3) Where value is expressed as less than (<), the value is halved and used in the calculations
- (4) * = 30 day rolling average
- (5) Raw wastewater flows in excess of 400 ML/D will by-pass the secondary process and flows in excess of 675 ML/D will cause raw sewage to by-pass the plant