



South End Water Pollution Control Centre Monitoring Data
August 01, 2022 to August 31, 2022

Licence # 2716RR	File # 1069.1	Final Effluent 24 Hour Composite										Final Effluent Grab Sample		
		TSS		BOD5		cBOD5		Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	E.Coli
		(mg/L)	(mg/L)*	(mg/L)	(mg/L)*	(mg/L)	(mg/L)*	(kg NH3-N/day)	(mg/L-P)	(mg/L-P)*	(mg/L-N)*	(°C)	(units)	MPN/100 mL
01-Aug-22	61.32	<3	4	<4	6	<4	2	2	0.10	0.72	12.7	18.5	7.84	3,130
02-Aug-22	62.53	<3	4	<4	6	<4	2	2	0.06	0.66	12.4	17.8	7.33	10
03-Aug-22	61.36	<3	4	<4	5	<4	2	8	0.06	0.60	12.3	17.8	7.33	8,660
04-Aug-22	58.26	<3	4	<4	5	<4	2	12	0.06	0.56	12.1	18.1	7.27	<10
05-Aug-22	58.41	<3	3	<4	5	<4	2	4	0.05	0.52	12.0	18.4	7.21	250
06-Aug-22	54.18	<3	3	<4	5	<4	2	0	0.05	0.49	11.9	18.6	7.63	<10
07-Aug-22	53.95	4	3	<4	4	<4	2	1	0.04	0.47	11.9	17.2	7.47	120
08-Aug-22	56.73	<3	3	<4	4	<4	2	2	0.04	0.45	11.9	18.0	7.24	20
09-Aug-22	54.87	4	3	<4	4	<4	2	2	0.05	0.43	11.9	18.2	7.21	190
10-Aug-22	54.85	3	3	<4	4	<4	2	0	0.04	0.41	12.0	18.3	7.19	570
11-Aug-22	53.13	4	3	<4	4	<4	2	3	0.06	0.40	11.9	18.3	7.14	120
12-Aug-22	53.76	<3	3	<4	4	<4	2	2	0.04	0.38	11.9	18.4	7.12	20
13-Aug-22	52.09	<3	3	<4	4	<4	2	7	0.04	0.37	11.8	18.8	7.47	220
14-Aug-22	52.32	<3	3	<4	3	<4	2	6	0.04	0.35	11.7	18.7	7.52	>24,200
15-Aug-22	67.68	118	7	72	6	34	3	281	1.01	0.40	11.7	18.9	7.11	160
16-Aug-22	170.77	16	7	17	6	8	4	347	0.29	0.39	11.7	18.8	7.33	(12,000)
17-Aug-22	86.61	10	8	8	6	5	4	75	0.21	0.37	11.6	18.9	7.38	260
18-Aug-22	224.46	ns	8	ns	6	ns	4	ns	ns	0.37	11.6	24.0	7.34	(>24,200)
19-Aug-22	136.65	14	8	13	6	7	4	260	0.30	0.38	11.6	17.6	7.56	(19,900)
20-Aug-22	95.33	8	8	<4	6	<4	4	16	0.15	0.38	11.6	17.7	7.55	60
21-Aug-22	82.63	<3	8	<4	6	<4	4	11	0.06	0.36	11.5	17.6	7.65	250
22-Aug-22	75.77	<3	8	<4	6	<4	4	5	0.06	0.34	11.3	18.2	7.39	30
23-Aug-22	69.81	<3	8	<4	6	<4	4	0	0.05	0.31	11.3	18.4	7.40	80
24-Aug-22	68.39	3	8	<4	6	<4	4	0	0.08	0.27	11.3	18.3	7.14	20
25-Aug-22	65.25	3	8	<4	6	<4	4	0	0.05	0.26	11.5	18.2	7.34	170
26-Aug-22	63.83	<3	8	<4	6	<4	4	0	0.05	0.25	11.7	18.4	7.35	30
27-Aug-22	60.20	4	8	<4	6	<4	4	10	0.05	0.25	12.0	18.4	7.49	30
28-Aug-22	60.92	<3	8	<4	6	<4	4	0	0.05	0.25	12.2	18.6	7.39	10
29-Aug-22	81.27	5	8	5	6	<4	4	75	0.15	0.25	12.3	18.5	7.33	100
30-Aug-22	66.61	<3	8	<4	6	<4	4	0	0.05	0.26	12.4	18.1	7.31	>24,200
31-Aug-22	63.08	3	8	<4	6	<4	4	21	0.05	0.26	12.4	18.5	7.29	610
Max:	224.46													
Min:	52.09													
Average:	75.07	7		6		<4		38	0.11			18.5	7.37	
Total Flow:	2,327.02													
Geo.Mean:														134

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)** Flow, highlighted in bold, in excess of 98.6 ML/D per clause 27 of Licence 2716RR
- (6) Bracketed Coliform results not used in the Geometric Mean calculation
- (7) Raw wastewater flows in excess of 100 ML/D will by-pass the secondary process