



South End Water Pollution Control Centre Monitoring Data
July 01, 2022 to July 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-Jul-22	62.32	4	5	11	16	<4	4	456	1.56	1.76	20.2	16.2	7.24	<10
02-Jul-22	58.48	5	5	12	16	<4	4	620	1.88	1.79	20.3	15.9	6.94	>24,200
03-Jul-22	59.71	5	5	17	16	4	4	593	1.77	1.81	20.2	16.1	7.25	20
04-Jul-22	79.19	<3	5	13	16	<4	4	686	1.29	1.80	20.0	16.1	6.93	40
05-Jul-22	67.29	4	5	9	15	4	4	419	1.07	1.79	19.8	16.2	7.13	30
06-Jul-22	66.27	3	5	9	15	<4	3	506	1.13	1.78	19.6	16.5	6.94	24,200
07-Jul-22	67.57	3	5	9	15	<4	3	334	0.82	1.76	19.3	16.6	6.95	50
08-Jul-22	61.20	3	5	8	14	<4	3	291	0.59	1.73	18.9	16.8	6.91	10
09-Jul-22	59.51	4	5	9	14	<4	3	174	0.58	1.69	18.4	17.1	7.06	10
10-Jul-22	59.26	4	4	9	13	<4	3	200	0.59	1.64	18.0	17.0	7.24	10
11-Jul-22	82.03	<3	4	nr	13	nr	3	277	0.54	1.60	17.6	17.1	6.75	20
12-Jul-22	68.25	5	4	8	12	<4	3	255	0.37	1.56	17.3	17.0	6.83	40
13-Jul-22	63.39	4	4	<4	12	<4	3	139	0.41	1.52	17.1	16.7	6.92	20
14-Jul-22	61.54	<3	4	nr	12	nr	2	193	0.56	1.49	17.0	17.1	6.75	10
15-Jul-22	61.43	4	4	6	11	<4	2	129	0.55	1.46	16.9	17.4	6.68	<10
16-Jul-22	65.44	5	4	6	11	<4	2	219	0.76	1.43	16.6	17.4	7.05	10
17-Jul-22	60.21	6	4	13	11	<4	2	178	0.45	1.40	16.5	17.9	6.90	<10
18-Jul-22	67.66	7	4	10	11	<4	2	188	0.90	1.37	16.4	18.1	6.73	140
19-Jul-22	114.90	ns	4	ns	11	ns	2	ns	ns	1.37	16.4	17.8	6.96	(>24,200)
20-Jul-22	117.99	4	4	<4	10	<4	2	111	0.22	1.32	16.1	17.7	6.99	(40)
21-Jul-22	80.74	3	4	<4	10	<4	2	22	0.26	1.27	15.9	17.3	7.12	60
22-Jul-22	72.09	6	4	<4	9	<4	2	202	0.63	1.24	15.8	17.6	6.94	110
23-Jul-22	65.27	<3	4	nr	9	nr	2	126	0.81	1.20	15.6	17.4	6.92	10
24-Jul-22	61.68	<3	4	<4	9	<4	2	188	1.15	1.16	15.4	17.2	6.87	<10
25-Jul-22	61.21	10	4	14	9	8	2	222	0.97	1.14	15.3	17.4	6.85	10
26-Jul-22	103.61	4	4	<4	8	<4	2	31	0.28	1.09	15.0	17.5	7.19	(100)
27-Jul-22	86.94	4	4	6	8	<4	2	116	0.56	1.04	14.7	17.2	7.27	10
28-Jul-22	84.56	3	4	<4	8	<4	2	14	0.08	0.98	14.3	17.4	7.25	10
29-Jul-22	71.88	<3	4	<4	8	<4	2	7	0.07	0.92	14.0	17.4	7.34	10
30-Jul-22	64.60	3	4	<4	7	<4	2	3	0.05	0.85	13.4	17.5	7.45	10
31-Jul-22	62.65	4	4	<4	7	<4	2	3	0.06	0.80	13.0	17.7	7.70	40
Max:	117.99													
Min:	58.48													
Average:	71.58	4		7		<4		230	0.70			17.1	7.03	
Total Flow:	2,218.87													
Geo.Mean:														28

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