



South End Water Pollution Control Centre Monitoring Data
March 01, 2022 to March 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-Mar-22	46.51	9	10	20	28	5	7	1,898	2.50	4.41	56.3	13.5	6.63	<10
02-Mar-22	46.20	9	10	21	28	5	7	1,973	2.89	4.35	56.1	13.4	6.66	20
03-Mar-22	46.31	8	10	26	28	5	7	1,987	3.25	4.32	56.0	13.3	6.63	<10
04-Mar-22	48.61	13	10	23	27	7	7	2,115	3.93	4.28	56.0	13.5	6.67	<10
05-Mar-22	48.17	14	10	26	27	8	7	1,917	3.65	4.26	56.0	13.2	6.88	<10
06-Mar-22	49.82	15	10	29	27	10	7	2,142	3.84	4.23	55.8	13.1	6.81	20
07-Mar-22	48.73	ns	10	ns	27	ns	7	ns	ns	4.23	55.9	13.7	6.59	20
08-Mar-22	50.87	13	10	20	27	6	7	2,131	4.70	4.23	55.8	13.9	6.64	<10
09-Mar-22	49.25	14	10	21	26	9	7	2,142	4.42	4.27	55.9	13.2	6.69	20
10-Mar-22	52.51	15	11	24	26	9	7	2,310	4.53	4.32	56.0	12.9	6.61	20
11-Mar-22	47.95	14	11	19	26	7	7	2,043	3.39	4.31	56.2	13.1	6.64	10
12-Mar-22	49.09	14	11	21	26	7	7	2,229	4.23	4.32	56.3	12.8	6.69	<10
13-Mar-22	47.60	20	11	25	26	9	7	2,056	4.15	4.33	56.5	13.5	6.77	40
14-Mar-22	48.98	16	12	23	25	7	7	1,993	3.50	4.30	56.3	13.7	6.59	10
15-Mar-22	48.27	11	12	21	25	6	7	1,940	2.70	4.26	56.0	13.7	6.59	10
16-Mar-22	52.38	9	11	19	25	6	7	2,059	2.40	4.19	55.8	14.0	6.61	<10
17-Mar-22	58.63	9	11	19	24	6	7	2,251	2.77	4.15	55.5	13.9	6.63	<10
18-Mar-22	63.63	9	11	21	24	5	7	2,214	2.66	4.09	54.8	13.0	6.58	<10
19-Mar-22	69.52	5	11	22	23	8	7	2,134	2.78	4.04	53.8	13.2	6.68	<10
20-Mar-22	80.87	21	12	33	24	15	7	2,208	2.41	3.97	52.7	12.1	6.81	<10
21-Mar-22	96.90	36	13	34	24	23	8	2,132	1.79	3.90	51.4	11.5	6.76	50
22-Mar-22	139.09	28	13	23	23	17	8	2,170	1.10	3.80	50.0	10.1	6.79	(60)
23-Mar-22	101.45	14	13	13	23	8	8	1,948	1.71	3.72	48.6	10.6	6.87	(10)
24-Mar-22	98.99	23	14	22	23	18	8	2,138	1.93	3.63	47.3	11.1	6.80	(10)
25-Mar-22	100.33	12	14	13	23	6	8	1,997	1.35	3.54	45.9	10.0	6.87	(<10)
26-Mar-22	67.22	8	14	16	22	5	8	1,902	2.23	3.50	45.2	11.1	6.84	990
27-Mar-22	69.62	9	14	18	22	5	8	1,956	2.08	3.43	44.2	11.7	6.90	50
28-Mar-22	64.14	9	14	21	22	5	8	1,950	2.40	3.39	43.3	11.3	6.70	<10
29-Mar-22	65.38	9	14	19	22	5	8	2,053	2.29	3.35	42.7	12.0	6.68	<10
30-Mar-22	68.72	12	14	21	22	6	8	2,206	2.10	3.31	42.3	12.0	6.71	10
31-Mar-22	68.42	10	14	19	22	5	8	2,094	2.21	3.30	41.9	11.7	6.73	<10
Max:	139.09													
Min:	46.20													
Average:	64.33	13		22		8		2,076	2.86			12.6	6.71	
Total Flow:	1,994.16													
Geo.Mean:														11

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