



South End Water Pollution Control Centre Monitoring Data
April 01, 2022 to April 30, 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-Apr-22	87.88	20	14	27	22	15	9	2,171	1.76	3.25	41.6	11.5	6.72	<10
02-Apr-22	90.91	10	14	17	22	7	9	2,073	1.62	3.19	41.2	10.1	6.88	20
03-Apr-22	81.08	13	14	15	21	6	9	2,019	1.97	3.12	40.3	9.8	6.89	<10
04-Apr-22	100.74	34	15	31	22	18	9	2,166	1.76	3.05	39.3	11.4	6.72	(<10)
05-Apr-22	131.97	25	15	24	21	14	9	2,138	1.27	2.96	38.2	9.2	6.92	(40)
06-Apr-22	133.29	51	16	30	22	23	10	2,026	1.55	2.93	37.6	9.0	7.00	(40)
07-Apr-22	156.23	34	17	26	22	19	10	2,093	1.35	2.89	36.6	9.2	7.07	(170)
08-Apr-22	120.50	15	17	18	22	12	10	2,012	1.90	2.80	35.6	9.8	6.96	(<10)
09-Apr-22	129.21	30	17	29	22	23	11	2,016	1.56	2.69	34.5	9.6	7.17	(30)
10-Apr-22	146.34	31	18	31	22	27	11	2,005	1.38	2.62	33.4	9.2	7.09	(30)
11-Apr-22	128.54	17	18	18	22	12	11	1,967	1.46	2.52	32.2	9.9	7.02	(10)
12-Apr-22	102.67	8	18	10	22	4	11	1,879	1.65	2.42	31.1	10.2	6.95	(<10)
13-Apr-22	87.74	7	18	11	21	<4	11	1,939	2.09	2.36	30.5	na	na	10
14-Apr-22	81.68	10	17	14	21	<4	11	1,960	2.13	2.33	29.9	10.6	6.89	10
15-Apr-22	72.22	8	17	16	21	4	11	1,935	2.23	2.30	29.4	10.7	7.07	20
16-Apr-22	63.88	8	17	19	21	<4	11	1,763	2.35	2.28	29.2	10.5	6.95	<10
17-Apr-22	68.61	6	17	21	21	4	11	2,017	2.66	2.27	29.3	11.9	7.03	<10
18-Apr-22	70.17	6	17	21	21	4	11	2,000	2.49	2.26	29.2	12.3	6.85	<10
19-Apr-22	72.32	6	17	16	20	<4	10	2,025	2.15	2.24	29.2	12.3	6.72	150
20-Apr-22	90.96	20	16	25	20	15	10	2,192	2.24	2.25	29.2	12.1	6.74	10
21-Apr-22	112.99	16	16	23	20	12	10	2,158	1.78	2.27	29.3	10.8	6.91	(<10)
22-Apr-22	151.93	124	20	72	22	>37	11	1,945	1.42	2.29	29.2	10.9	6.97	(30)
23-Apr-22	261.40	60	21	37	23	29	11	1,840	0.72	2.26	28.9	9.4	7.37	(3,450)
24-Apr-22	237.94	50	22	36	23	26	12	1,877	0.87	2.25	28.6	8.6	7.41	(7,700)
25-Apr-22	147.83	28	23	27	24	21	12	2,114	1.34	2.21	28.3	9.7	7.22	(1,300)
26-Apr-22	118.31	14	23	16	24	11	12	1,928	1.58	2.20	27.9	10.2	7.08	(20)
27-Apr-22	114.05	19	23	19	24	13	13	1,939	2.17	2.23	27.6	10.7	7.03	(10)
28-Apr-22	109.30	11	23	16	24	8	13	1,858	1.47	2.19	27.0	10.7	7.01	(10)
29-Apr-22	110.47	42	24	37	24	29	14	1,635	1.28	2.17	26.4	11.0	7.02	(<10)
30-Apr-22	254.36	53	26	37	25	29	14	1,699	0.76	2.13	25.6	9.3	7.13	(5,170)
Max:	261.40													
Min:	63.88													
Average:	121.18	26		25		14		1,980	1.70			10.4	6.99	
Total Flow:	3,635.52													
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