



South End Water Pollution Control Centre Monitoring Data
May 01, 2022 to May 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-May-22	245.75	45	27	35	25	31	15	2,241	0.95	2.11	25.0	10.2	7.43	(19,900)
02-May-22	157.52	25	27	26	25	19	15	2,158	1.33	2.12	24.6	10.3	7.34	(>24,200)
03-May-22	118.06	19	27	20	25	11	15	1,877	1.54	2.11	24.5	10.5	7.15	(160)
04-May-22	109.04	17	27	17	25	8	15	1,908	1.61	2.10	24.4	11.0	7.07	(30)
05-May-22	102.98	13	26	19	25	10	15	1,957	1.57	2.11	24.6	11.5	7.02	(10)
06-May-22	94.69	7	25	13	24	5	14	1,856	1.69	2.10	24.8	11.7	7.06	10
07-May-22	89.83	11	24	20	24	7	14	1,958	1.67	2.11	25.0	12.2	7.10	<10
08-May-22	91.00	9	24	20	24	8	14	1,920	1.57	2.12	25.2	12.1	7.11	10
09-May-22	135.87	50	25	45	25	33	14	2,079	1.31	2.11	25.1	12.2	6.90	(10)
10-May-22	144.61	13	24	22	24	14	14	1,851	1.08	2.11	25.0	11.1	7.30	(720)
11-May-22	108.29	11	24	12	24	7	14	1,938	1.61	2.12	25.2	11.8	7.12	(<10)
12-May-22	96.51	15	24	20	24	13	14	1,892	1.78	2.13	25.2	12.0	7.03	<10
13-May-22	134.64	19	24	18	25	13	14	2,033	1.27	2.11	25.0	11.6	7.19	(260)
14-May-22	102.41	10	24	13	25	7	14	1,895	1.56	2.09	24.8	11.9	7.33	(10)
15-May-22	93.13	11	25	15	25	7	15	1,900	2.26	2.09	24.5	12.2	7.15	40
16-May-22	89.22	8	25	15	24	5	15	1,891	1.60	2.07	24.2	12.5	6.93	<10
17-May-22	89.90	13	25	16	24	9	15	1,996	2.26	2.07	23.8	12.5	6.92	19,900
18-May-22	194.84	ns	25	ns	24	ns	15	ns	ns	2.05	23.5	11.5	7.15	(4,350)
19-May-22	174.45	39	27	32	25	24	16	1,919	1.12	2.03	23.0	11.4	7.31	(3,450)
20-May-22	249.30	38	27	24	25	20	16	1,930	0.83	1.99	22.6	10.6	7.38	(8,160)
21-May-22	162.45	18	27	20	25	17	16	1,982	1.29	1.98	22.3	10.8	7.48	(450)
22-May-22	121.57	11	23	15	23	11	15	1,738	1.55	1.95	22.3	11.4	7.43	(320)
23-May-22	110.58	13	22	17	22	11	15	1,869	2.12	1.99	22.7	12.6	7.42	(20)
24-May-22	99.59	8	20	12	21	5	14	1,822	1.89	2.02	23.1	12.5	7.03	(<10)
25-May-22	93.05	8	20	14	21	5	13	1,898	1.75	2.03	23.3	14.6	7.04	20
26-May-22	89.17	7	19	15	21	5	13	1,908	1.67	2.03	23.5	12.5	6.99	10
27-May-22	87.12	7	19	18	21	5	13	1,891	1.71	1.97	23.7	12.8	7.01	10
28-May-22	86.92	8	19	17	21	<4	13	1,860	1.82	1.98	23.8	13.0	7.23	20
29-May-22	124.67	40	19	46	21	31	13	2,045	1.49	2.00	23.9	13.7	7.28	(<10)
30-May-22	134.30	49	19	36	21	29	13	1,692	2.18	2.05	24.2	13.0	7.02	(<10)
31-May-22	292.72	41	18	24	21	18	12	1,821	1.21	2.06	24.1	12.0	7.39	(>24,200)
Max:	292.72													
Min:	86.92													
Average:	129.81	19		21		13		1,924	1.58			11.9	7.17	
Total Flow:	4,024.18													
Geo.Mean:														21

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