



South End Water Pollution Control Centre Monitoring Data  
February 01, 2022 to February 28, 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-Feb-22	41.02	11	12	32	28	9	11	1,620	4.27	4.92	56.3	na	6.63	30
02-Feb-22	42.95	13	12	30	29	9	11	1,778	4.74	4.93	56.3	14.5	6.74	10
03-Feb-22	40.01	10	11	29	29	8	10	1,620	4.63	4.93	56.2	14.5	6.73	20
04-Feb-22	40.04	11	11	28	29	9	10	1,678	4.53	4.91	56.2	13.2	6.76	20
05-Feb-22	40.70	11	11	26	29	9	10	1,628	4.31	4.88	56.1	13.6	6.84	<10
06-Feb-22	41.77	11	11	37	29	9	10	1,717	4.24	4.84	56.1	13.2	6.74	30
07-Feb-22	40.04	13	11	30	30	8	10	1,550	3.83	4.79	55.9	13.4	6.67	20
08-Feb-22	40.33	10	11	25	30	8	10	1,645	3.92	4.76	55.7	13.8	6.64	nr
09-Feb-22	40.72	10	11	26	30	7	9	1,547	3.98	4.72	55.4	13.7	6.68	<10
10-Feb-22	40.00	8	11	35	30	6	9	1,728	4.12	4.70	55.2	13.7	6.63	<10
11-Feb-22	41.38	10	11	28	30	6	9	1,676	4.53	4.69	55.1	13.0	6.67	<10
12-Feb-22	41.30	8	11	30	30	5	9	1,788	4.50	4.68	54.9	12.7	6.78	<10
13-Feb-22	42.23	11	11	30	31	7	9	1,596	3.97	4.69	54.9	12.7	6.81	<10
14-Feb-22	47.05	11	11	32	31	8	9	1,793	4.12	4.69	54.9	12.9	6.68	<10
15-Feb-22	40.24	10	11	30	31	7	9	1,533	3.95	4.67	54.9	13.1	6.68	<10
16-Feb-22	40.50	11	11	32	31	7	8	1,689	4.37	4.67	55.1	13.0	6.64	10
17-Feb-22	39.40	9	11	30	31	6	8	1,600	4.28	4.66	55.3	13.1	6.67	<10
18-Feb-22	41.34	10	11	26	31	6	8	1,749	4.46	4.66	55.5	12.8	6.67	<10
19-Feb-22	42.68	10	11	29	31	6	8	1,746	4.18	4.65	55.8	12.3	6.75	<10
20-Feb-22	40.36	11	11	35	31	7	8	1,707	4.05	4.63	55.8	12.1	6.85	10
21-Feb-22	41.55	10	11	28	31	7	8	1,708	4.08	4.61	56.0	13.1	6.81	10
22-Feb-22	42.11	13	11	22	30	6	8	1,676	4.20	4.61	56.1	13.0	6.67	10
23-Feb-22	40.54	12	11	26	30	5	7	1,747	3.86	4.60	56.4	13.1	6.66	10
24-Feb-22	42.14	8	10	23	30	6	7	1,825	3.72	4.57	56.2	13.2	6.70	<10
25-Feb-22	45.92	10	10	24	29	6	7	1,984	4.13	4.56	56.5	13.6	6.66	<10
26-Feb-22	46.19	9	10	22	29	6	7	1,963	3.80	4.54	56.6	12.7	6.69	10
27-Feb-22	48.12	10	10	26	29	7	7	1,978	3.43	4.51	56.6	13.3	6.73	10
28-Feb-22	47.75	10	10	20	28	6	7	1,977	3.22	4.46	56.3	13.4	6.63	<10
<b>Max:</b>	48.12													
<b>Min:</b>	39.40													
<b>Average:</b>	<b>42.08</b>	<b>10</b>		<b>28</b>		<b>7</b>		<b>1,723</b>	<b>4.12</b>			<b>13.2</b>	<b>6.71</b>	
<b>Total Flow:</b>	1,178.38													
<b>Geo.Mean:</b>														<b>&lt;10</b>

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