



South End Water Pollution Control Centre Monitoring Data  
January 01, 2022 to January 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-Jan-22	42.14	11	9	23	23	13	7	1,702	4.36	4.80	50.7	13.4	6.76	10
02-Jan-22	44.09	12	10	25	23	13	7	1,843	4.15	4.83	51.0	13.2	6.77	10
03-Jan-22	45.62	17	10	26	24	15	8	1,816	4.01	4.85	51.3	13.2	6.76	20
04-Jan-22	47.01	13	10	27	24	13	8	1,862	4.25	4.89	51.6	14.4	6.72	20
05-Jan-22	47.84	12	10	25	24	12	8	1,875	nr	4.94	51.8	14.3	6.69	<10
06-Jan-22	47.49	13	10	21	24	12	8	1,819	4.43	4.99	51.9	14.6	6.70	<10
07-Jan-22	49.75	10	10	19	24	12	8	1,975	4.18	5.04	52.0	14.3	6.70	<10
08-Jan-22	47.05	16	11	23	24	14	9	1,948	4.53	5.01	52.0	13.3	6.79	10
09-Jan-22	45.73	16	11	28	24	16	9	1,889	4.10	4.97	52.4	13.6	6.81	20
10-Jan-22	45.54	14	11	25	24	13	9	1,785	4.26	4.99	52.9	14.1	6.60	50
11-Jan-22	44.11	13	11	19	24	12	10	1,795	4.43	5.03	53.1	13.9	6.64	20
12-Jan-22	42.88	13	11	nr	24	nr	9	1,741	4.55	4.99	53.0	14.2	6.65	<10
13-Jan-22	46.19	11	11	22	24	11	9	1,945	4.71	4.97	53.1	14.7	6.63	10
14-Jan-22	46.83	9	11	21	24	11	10	1,751	2.91	4.97	53.3	13.8	6.72	10
15-Jan-22	42.97	11	11	27	24	12	10	1,719	4.21	4.97	53.6	13.9	6.79	10
16-Jan-22	44.06	10	11	27	24	9	10	1,740	3.95	4.98	53.5	14.3	6.71	20
17-Jan-22	45.72	10	11	27	24	11	10	1,751	4.17	4.97	53.7	14.3	6.69	20
18-Jan-22	43.71	10	11	24	24	10	10	1,665	4.32	4.96	53.9	14.2	6.67	20
19-Jan-22	42.01	10	11	30	24	8	10	1,710	3.49	4.96	54.2	13.5	6.62	10
20-Jan-22	42.18	10	11	34	24	9	11	1,675	3.96	4.98	54.5	13.5	6.64	10
21-Jan-22	44.23	12	12	34	25	9	11	1,884	4.44	4.98	54.9	13.3	6.68	10
22-Jan-22	43.20	12	12	39	25	11	11	1,832	4.39	4.99	55.4	13.1	6.81	20
23-Jan-22	43.85	12	12	35	25	13	11	1,829	4.12	4.98	55.8	13.4	6.87	150
24-Jan-22	45.12	12	12	38	26	12	11	1,674	4.01	4.97	56.0	13.6	6.74	60
25-Jan-22	42.10	12	12	30	26	9	11	1,676	4.34	4.97	56.1	13.8	6.70	70
26-Jan-22	42.93	9	12	38	27	8	11	1,636	4.10	4.97	56.2	13.4	6.84	30
27-Jan-22	43.85	13	12	31	27	8	11	1,802	4.40	4.96	56.3	13.7	6.68	10
28-Jan-22	45.44	10	12	26	27	7	11	1,818	4.71	4.95	56.4	13.8	6.81	<10
29-Jan-22	43.13	11	12	33	28	7	11	1,617	4.08	4.94	56.7	13.3	6.85	10
30-Jan-22	44.43	12	12	33	28	9	11	1,857	4.38	4.92	56.8	13.4	6.71	<10
31-Jan-22	45.42	9	12	29	28	11	11	1,799	4.36	4.92	56.6	14.2	6.67	10
<b>Max:</b>	49.75													
<b>Min:</b>	42.01													
<b>Average:</b>	<b>44.73</b>	<b>12</b>		<b>28</b>		<b>11</b>		<b>1,788</b>	<b>4.21</b>			<b>13.8</b>	<b>6.72</b>	
<b>Total Flow:</b>	1,386.62													
<b>Geo.Mean:</b>														<b>14</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