



South End Water Pollution Control Centre Monitoring Data  
December 01, 2022 to December 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-Dec-22	43.57	<3	2	<4	2	<4	2	0.3	0.61	0.87	17.1	13.9	7.14	20
02-Dec-22	42.94	<3	2	<4	2	<4	2	3.0	0.53	0.89	17.2	13.8	7.09	<10
03-Dec-22	44.12	<3	2	<4	2	<4	2	1.8	0.64	0.91	17.1	13.6	7.18	<10
04-Dec-22	45.37	<3	2	<4	2	<4	2	2.3	0.30	0.92	16.9	13.2	7.12	<10
05-Dec-22	43.64	<3	2	<4	2	<4	2	1.3	0.06	0.92	16.7	13.8	7.15	10
06-Dec-22	43.40	<3	2	<4	2	<4	2	3.0	0.07	0.92	16.6	13.8	7.17	<10
07-Dec-22	43.88	<3	2	<4	2	<4	2	2.2	0.19	0.93	16.6	13.5	7.09	<10
08-Dec-22	43.52	<3	2	<4	2	<4	2	0.9	0.35	0.94	16.5	13.5	7.04	10
09-Dec-22	44.46	<3	2	<4	2	<4	2	1.3	0.51	0.97	16.4	13.8	7.02	20
10-Dec-22	44.67	<3	2	<4	2	<4	2	1.3	0.62	0.99	16.3	14.4	7.08	<10
11-Dec-22	45.38	<3	2	<4	2	<4	2	1.8	0.70	1.01	16.3	14.5	7.14	10
12-Dec-22	43.65	<3	2	<4	2	<4	2	0.9	0.26	1.02	16.2	15.0	7.11	<10
13-Dec-22	43.20	<3	2	<4	2	<4	2	1.3	0.10	1.02	16.2	15.2	7.08	<10
14-Dec-22	43.07	<3	2	<4	2	<4	2	1.3	0.27	1.03	16.1	15.0	7.03	10
15-Dec-22	42.90	<3	2	<4	2	<4	2	1.3	0.28	1.03	16.1	14.8	7.05	30
16-Dec-22	43.48	<3	2	<4	2	<4	2	1.7	0.15	1.04	16.2	14.6	7.01	<10
17-Dec-22	44.52	<3	2	<4	2	<4	2	21.4	0.28	1.04	16.2	13.8	7.04	<10
18-Dec-22	45.25	<3	2	<4	2	<4	2	43.0	0.22	1.04	16.1	13.7	7.10	<10
19-Dec-22	47.96	<3	2	<4	2	<4	2	64.7	0.14	1.01	15.9	13.4	7.10	<10
20-Dec-22	46.22	<3	2	<4	2	<4	2	39.4	0.05	0.96	15.8	13.9	7.01	10
21-Dec-22	47.13	<3	2	<4	2	<4	2	20.4	0.05	0.93	15.8	13.9	7.02	10
22-Dec-22	47.04	<3	2	<4	2	<4	2	34.9	0.07	0.87	15.8	13.7	7.12	10
23-Dec-22	47.29	<3	2	<4	2	<4	2	60.1	0.05	0.78	15.7	12.8	7.10	20
24-Dec-22	48.75	<3	2	<4	2	<4	2	118.5	0.04	0.67	15.6	12.6	7.23	<10
25-Dec-22	45.64	<3	2	<4	2	<4	2	116.4	0.04	0.58	15.4	13.1	7.36	<10
26-Dec-22	47.53	<3	2	4	2	<4	2	176.8	0.03	0.48	15.3	12.9	7.02	20
27-Dec-22	49.59	<3	2	4	2	<4	2	235.1	0.03	0.41	15.2	13.6	7.10	60
28-Dec-22	48.86	<3	2	<4	2	<4	2	191.0	0.03	0.38	15.1	14.3	7.17	30
29-Dec-22	48.73	<3	2	4	2	<4	2	141.3	0.03	0.36	14.9	14.6	7.14	40
30-Dec-22	49.62	<3	2	<4	2	<4	2	159.3	0.04	0.33	14.7	14.1	7.07	<10
31-Dec-22	50.27	<3	2	5	2	<4	2	163.9	0.04	0.30	14.5	14.1	7.04	20
<b>Max:</b>	50.27													
<b>Min:</b>	42.90													
<b>Average:</b>	<b>45.67</b>	<b>&lt;3</b>		<b>&lt;4</b>		<b>&lt;4</b>		<b>52.0</b>	<b>0.22</b>			<b>13.9</b>	<b>7.10</b>	
<b>Total Flow:</b>	1,415.65													
<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