



South End Water Pollution Control Centre Monitoring Data  
September 01, 2023 to September 30, 2023

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-Sep-23	51.16	<3	3	<4	2	<4	2	0.3	0.08	0.28	11.1	20.2	7.21	1,720
02-Sep-23	48.60	3	3	<4	2	<4	2	0.3	0.22	0.28	11.0	20.3	7.35	2,760
03-Sep-23	47.55	3	3	<2	2	<2	2	0.8	0.36	0.29	10.9	20.4	7.31	2,610
04-Sep-23	57.05	<3	3	<2	2	<2	2	11.7	0.80	0.32	10.8	20.0	7.37	4,610
05-Sep-23	63.18	<3	3	<4	2	<4	2	1.1	0.19	0.32	10.8	19.8	7.20	1,790
06-Sep-23	53.88	3	3	<4	2	<4	2	14.5	0.17	0.32	10.8	19.3	7.10	1,080
07-Sep-23	55.05	<3	3	5	2	4	2	74.9	0.31	0.33	10.8	19.2	7.16	>24,200
08-Sep-23	50.91	<3	3	<4	2	<4	2	11.5	0.05	0.33	10.7	19.5	7.11	2,310
09-Sep-23	50.90	<3	3	<4	2	<4	2	6.1	0.05	0.32	10.6	19.6	7.33	1,560
10-Sep-23	53.12	<3	3	<4	2	<4	2	15.1	0.06	0.31	10.6	19.5	7.19	1,530
11-Sep-23	50.73	<3	2	<4	2	<4	2	32.4	0.05	0.31	10.5	19.2	7.16	1,470
12-Sep-23	51.22	ns	2	ns	2	ns	2	ns	ns	0.31	10.5	19.2	7.18	570
13-Sep-23	50.63	5	3	8	2	7	2	10.9	0.05	0.31	10.6	19.3	7.09	1,940
14-Sep-23	51.33	4	3	<4	2	<4	2	6.3	0.06	0.31	10.7	19.2	7.04	2,910
15-Sep-23	52.46	3	3	<4	2	<4	2	5.4	0.11	0.31	10.8	18.6	7.07	3,650
16-Sep-23	51.38	<3	3	<4	2	<4	2	7.1	0.18	0.31	10.9	19.1	7.14	2,850
17-Sep-23	53.86	5	3	<4	2	<4	2	11.8	0.18	0.31	10.9	19.2	7.22	3,450
18-Sep-23	51.06	4	3	<4	2	<4	2	4.6	0.09	0.31	10.9	19.2	7.13	1,790
19-Sep-23	43.74	4	3	<4	2	<4	2	1.7	0.05	0.30	10.9	19.8	7.22	2,140
20-Sep-23	57.34	5	3	<4	2	<4	2	7.5	na	0.29	11.0	20.0	7.08	2,360
21-Sep-23	56.86	3	3	<4	2	<4	2	6.8	na	0.29	11.1	19.6	7.16	1,720
22-Sep-23	54.28	3	3	<4	2	<4	2	2.2	na	0.29	11.2	19.2	6.99	1,850
23-Sep-23	51.91	<3	3	<4	2	<4	2	3.6	0.26	0.29	11.2	19.3	6.99	2,480
24-Sep-23	54.59	4	3	<4	2	<4	2	8.7	0.26	0.30	11.2	19.5	7.10	2,360
25-Sep-23	52.96	3	3	<4	2	<4	2	1.6	0.05	0.30	11.2	19.7	7.27	1,500
26-Sep-23	49.04	6	3	<4	2	<4	2	3.0	0.08	0.29	11.2	19.7	7.14	1,860
27-Sep-23	50.53	4	3	<4	2	<4	2	5.1	nr	0.29	11.3	19.7	7.16	930
28-Sep-23	52.69	4	3	<4	2	<4	2	8.8	0.31	0.30	11.4	19.7	7.14	1,140
29-Sep-23	52.06	4	3	<4	2	<4	2	3.7	0.08	0.30	11.4	19.5	7.02	1,870
30-Sep-23	51.90	3	3	<4	2	<4	2	2.4	0.11	0.31	11.5	20.4	7.00	40
<b>Max:</b>	63.18													
<b>Min:</b>	43.74													
<b>Average:</b>	<b>52.40</b>	<b>3</b>		<b>&lt;4</b>		<b>&lt;4</b>		<b>9.3</b>	<b>0.17</b>			<b>19.6</b>	<b>7.15</b>	
<b>Total Flow:</b>	1,571.97													
<b>Geo.Mean:</b>														<b>1,843</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