



South End Water Pollution Control Centre Monitoring Data
December 01, 2023 to December 31, 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-Dec-23	52.92	4	3	<4	2	<4	2	2.7	1.24	0.61	13.4	15.6	7.15	1,220
02-Dec-23	53.63	3	2	<4	2	<4	2	32.9	0.88	0.63	13.4	15.3	7.13	2,480
03-Dec-23	54.80	<3	2	<4	2	<4	2	38.3	0.64	0.65	13.3	15.2	7.12	2,760
04-Dec-23	53.11	3	2	<4	2	<4	2	13.3	0.15	0.64	13.2	15.6	7.19	1,720
05-Dec-23	51.67	<3	2	<4	2	<4	2	7.3	0.08	0.63	13.2	15.5	7.12	2,720
06-Dec-23	52.59	3	2	<4	2	<4	2	7.7	0.13	0.63	13.2	15.8	7.16	1,010
07-Dec-23	52.34	<3	2	<4	2	<4	2	2.9	0.17	0.63	13.2	16.0	7.07	1,400
08-Dec-23	52.13	4	2	<4	2	<4	2	9.1	0.44	0.64	13.1	15.9	7.13	1,380
09-Dec-23	52.22	3	2	<4	2	<4	2	26.4	0.57	0.65	13.2	15.1	7.14	2,760
10-Dec-23	54.16	<3	2	<4	2	<4	2	42.8	0.90	0.65	13.1	15.2	7.03	6,490
11-Dec-23	54.40	3	2	<4	2	<4	2	36.0	0.55	0.63	13.0	15.4	7.07	3,450
12-Dec-23	51.32	4	2	<4	2	<4	2	22.9	0.39	0.62	13.0	15.2	7.13	2,010
13-Dec-23	54.03	4	2	<4	2	<4	2	16.5	0.50	0.63	13.0	15.2	7.08	1,940
14-Dec-23	52.43	<3	2	<4	2	<4	2	4.3	0.38	0.63	13.0	15.3	7.19	1,220
15-Dec-23	51.09	<3	2	<4	2	<4	2	7.6	0.46	0.62	13.1	13.5	7.12	1,300
16-Dec-23	52.78	<3	2	<4	2	<4	2	24.9	0.84	0.63	13.1	15.1	7.03	1,620
17-Dec-23	53.38	<3	2	<4	2	<4	2	27.1	0.76	0.65	13.1	14.9	7.04	2,360
18-Dec-23	51.94	<3	2	<4	2	<4	2	17.3	0.19	0.63	13.1	15.3	7.01	1,720
19-Dec-23	50.91	<3	2	<4	2	<4	2	10.6	0.10	0.60	13.1	15.2	7.12	790
20-Dec-23	51.96	<3	2	nr	2	nr	2	2.1	0.03	0.58	13.2	15.2	7.08	8,160
21-Dec-23	52.50	3	2	<4	2	<4	2	1.6	0.06	0.57	13.3	15.2	7.07	1,420
22-Dec-23	52.80	<3	2	<4	2	<4	2	1.1	0.08	0.57	13.4	15.4	7.02	930
23-Dec-23	54.52	<3	2	<4	2	<4	2	0.4	0.10	0.58	13.4	15.3	6.97	1,350
24-Dec-23	54.80	<3	2	<4	2	<4	2	28.8	0.12	0.57	13.3	14.9	7.03	1,110
25-Dec-23	49.23	<3	2	<4	2	<4	2	46.4	0.08	0.55	13.2	15.4	7.06	1,400
26-Dec-23	50.12	<3	2	<4	2	<4	2	74.2	0.04	0.52	13.1	14.8	7.05	1,170
27-Dec-23	51.72	4	2	<4	2	<4	2	53.8	0.07	0.52	13.0	15.1	7.16	670
28-Dec-23	51.23	3	2	<4	2	<4	2	11.8	0.04	0.50	13.0	15.2	7.00	1,050
29-Dec-23	51.46	<3	2	<4	2	<4	2	5.9	0.06	0.49	12.8	15.0	7.14	910
30-Dec-23	50.56	3	2	<4	2	<4	2	8.0	0.10	0.49	12.8	14.1	7.03	1,300
31-Dec-23	51.26	4	2	<4	2	<4	2	17.2	0.16	0.45	12.7	13.6	6.99	960
Max:	54.80													
Min:	49.23													
Average:	52.39	<3		<4		<4		19.4	0.33			15.1	7.08	
Total Flow:	1,624.01													
Geo.Mean:														1,621

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