



South End Water Pollution Control Centre Monitoring Data
February 01, 2023 to February 28, 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-Feb-23	48.62	3	2	4	3	<4	2	98.7	0.03	0.11	14.0	13.0	6.86	50
02-Feb-23	48.77	3	2	nr	3	nr	2	92.7	0.02	0.11	14.0	12.6	6.89	3,450
03-Feb-23	49.68	3	2	5	3	<4	2	132.1	0.07	0.12	14.0	12.5	6.87	10
04-Feb-23	50.20	3	2	4	3	<4	2	133.0	0.03	0.12	14.0	12.9	6.89	20
05-Feb-23	50.74	3	2	9	3	<4	2	151.2	0.03	0.12	13.9	13.1	7.11	30
06-Feb-23	43.90	<3	2	5	3	<4	2	50.9	0.03	0.12	13.7	ns	ns	ns
07-Feb-23	48.20	<3	2	<4	3	<4	2	21.4	0.03	0.12	13.6	14.3	7.04	17,800
08-Feb-23	51.20	<3	2	<4	3	<4	2	21.5	0.04	0.12	13.6	14.4	6.94	>24,200
09-Feb-23	50.10	3	2	4	3	<4	2	35.6	0.02	0.12	13.5	14.3	6.98	1,610
10-Feb-23	49.84	3	2	<4	3	<4	2	26.4	0.02	0.12	13.6	14.3	7.00	3,650
11-Feb-23	50.45	3	2	<4	3	<4	2	27.2	0.02	0.12	13.6	13.3	7.09	19,900
12-Feb-23	52.06	<3	2	<4	3	<4	2	36.8	0.03	0.12	13.5	13.6	7.08	19,900
13-Feb-23	51.91	<3	2	<4	3	<4	2	27.7	0.02	0.12	13.4	15.0	7.07	13,800
14-Feb-23	48.81	<3	2	<4	3	<4	2	15.1	0.03	0.12	13.4	14.4	7.02	6,770
15-Feb-23	48.60	<3	2	<4	3	<4	2	32.0	0.03	0.12	13.4	13.8	7.05	9,330
16-Feb-23	46.29	<3	2	6	3	<4	2	84.2	0.03	0.12	13.4	13.4	7.11	10,500
17-Feb-23	50.43	<3	2	6	3	<4	2	117.5	0.03	0.12	13.5	13.7	7.12	2,420
18-Feb-23	51.68	3	2	6	3	<4	2	68.2	<0.02	0.12	13.4	13.0	7.14	1,050
19-Feb-23	50.10	3	2	<4	3	<4	2	62.6	0.03	0.13	13.3	12.7	7.03	1,550
20-Feb-23	51.57	<3	2	4	3	<4	2	84.1	<0.02	0.13	13.3	12.7	7.12	1,550
21-Feb-23	48.73	3	2	<4	3	<4	2	46.0	0.03	0.13	13.2	13.2	7.09	1,050
22-Feb-23	53.12	<3	2	<4	3	<4	2	42.3	<0.02	0.13	13.3	12.9	6.97	17,800
23-Feb-23	55.57	4	2	6	3	<4	2	106.7	<0.02	0.13	13.3	12.9	7.06	<10
24-Feb-23	48.44	<3	2	<4	3	<4	2	70.2	<0.02	0.13	13.3	12.5	6.92	230
25-Feb-23	50.05	3	2	<4	3	<4	2	85.6	0.03	0.14	13.2	12.3	7.08	60
26-Feb-23	55.97	4	2	5	4	<4	2	199.3	<0.02	0.14	13.2	12.7	6.98	60
27-Feb-23	40.79	4	2	4	4	<4	2	79.9	0.02	0.14	13.1	13.1	6.95	10
28-Feb-23	61.68	<3	2	<4	4	<4	2	197.4	0.02	0.13	13.1	13.0	6.86	10
Max:	61.68													
Min:	40.79													
Average:	50.27	<3		<4		<4		76.7	0.03			13.3	7.01	
Total Flow:	1,407.50													
Geo.Mean:														752

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