



South End Water Pollution Control Centre Monitoring Data
January 01, 2023 to January 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-Jan-23	45.55	<3	2	4	2	<4	2	108.4	0.03	0.29	14.3	14.3	7.34	<10
02-Jan-23	47.59	<3	2	4	2	<4	2	130.4	0.03	0.26	14.2	14.2	7.07	10
03-Jan-23	47.65	<3	2	4	3	<4	2	110.1	0.04	0.25	14.1	14.1	7.01	50
04-Jan-23	48.44	<3	2	4	3	<4	2	81.9	0.04	0.25	14.1	14.0	6.98	20
05-Jan-23	51.51	<3	2	5	3	<4	2	127.7	0.05	0.25	14.1	13.9	6.98	<10
06-Jan-23	47.55	<3	2	<4	3	<4	2	95.1	0.03	0.24	14.1	14.0	6.95	10
07-Jan-23	47.89	<3	2	5	3	<4	2	114.5	0.03	0.23	14.0	13.4	6.92	<10
08-Jan-23	48.65	<3	2	5	3	<4	2	136.2	0.03	0.23	13.9	13.5	7.03	<10
09-Jan-23	44.41	<3	2	<4	3	<4	2	89.3	0.03	0.20	13.9	13.8	7.04	30
10-Jan-23	43.39	<3	2	<4	3	<4	2	32.4	0.03	0.18	13.9	14.0	6.94	40
11-Jan-23	43.79	<3	2	<4	3	<4	2	23.3	0.03	0.17	13.9	14.1	6.90	20
12-Jan-23	43.85	<3	2	<4	3	<4	2	15.8	0.03	0.17	13.9	13.9	6.93	<10
13-Jan-23	44.38	<3	2	nr	3	nr	2	15.1	0.03	0.16	13.9	13.4	6.92	<10
14-Jan-23	45.57	<3	2	<4	3	<4	2	45.1	0.04	0.15	13.9	13.5	6.98	30
15-Jan-23	45.37	<3	2	<4	3	nr	2	38.6	0.03	0.14	13.8	13.8	7.00	10
16-Jan-23	43.96	<3	2	<4	3	<4	2	14.3	0.03	0.13	13.7	14.1	6.92	20
17-Jan-23	43.05	<3	2	<4	3	<4	2	7.1	0.03	0.12	13.7	14.0	6.97	20
18-Jan-23	43.33	<3	2	nr	3	nr	2	6.3	0.03	0.11	13.8	14.0	6.97	40
19-Jan-23	43.09	<3	2	<4	3	<4	2	11.9	0.04	0.11	13.8	14.2	6.83	<10
20-Jan-23	44.02	<3	2	<4	3	<4	2	19.0	0.03	0.11	13.8	13.9	6.88	40
21-Jan-23	45.91	<3	2	<4	3	<4	2	43.4	0.05	0.11	13.8	13.5	7.10	10
22-Jan-23	46.30	<3	2	<4	3	<4	2	64.4	0.04	0.11	13.8	13.2	6.95	20
23-Jan-23	44.31	<3	2	<4	3	<4	2	44.3	0.03	0.11	13.8	13.7	7.03	<10
24-Jan-23	43.68	<3	2	<4	3	<4	2	41.8	0.03	0.11	13.9	13.8	6.88	<10
25-Jan-23	43.82	<3	2	<4	3	<4	2	25.3	0.04	0.11	13.9	13.8	6.91	<10
26-Jan-23	44.26	<3	2	<4	3	<4	2	28.8	0.03	0.11	13.9	13.5	6.83	<10
27-Jan-23	43.61	<3	2	<4	3	<4	2	19.2	0.03	0.11	13.9	13.1	6.83	<10
28-Jan-23	45.93	<3	2	<4	3	<4	2	88.6	0.03	0.11	14.0	12.1	7.13	<10
29-Jan-23	49.34	<3	2	<4	3	<4	2	165.3	0.03	0.11	14.0	12.6	6.94	<10
30-Jan-23	48.71	4	2	5	3	<4	2	146.6	0.05	0.11	14.0	12.6	6.92	10
31-Jan-23	48.46	<3	2	4	3	<4	2	102.3	0.04	0.11	14.1	12.8	6.94	<10
Max:	51.51													
Min:	43.05													
Average:	45.72	<3		<4		<4		64.3	0.03			13.6	6.97	
Total Flow:	1,417.37													
Geo.Mean:														10

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