



South End Water Pollution Control Centre
Final Effluent Monitoring Report
October 2023

Licence # 2716RR	File # 1069.1	24 Hour Composite										Grab Sample		
Date	Raw Sewage Daily Flow ML	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-Oct-23	53.5	5	3	<4	2	<4	2	11.6	0.11	0.31	11.6	18.8	7.19	1,310
02-Oct-23	52.4	3	3	<4	2	<4	2	3.3	0.05	0.30	11.7	19.7	7.15	1,470
03-Oct-23	79.5	<3	3	<4	2	<4	2	40.1	0.08	0.29	11.8	19.9	7.02	560
04-Oct-23	69.8	<3	3	<4	2	<4	2	2.7	nr	0.27	11.8	19.6	7.14	880
05-Oct-23	115.2	6	3	4	2	4	2	7.9	0.03	0.26	11.8	18.6	7.12	500
06-Oct-23	71.5	3	3	<4	2	<4	2	2.5	0.07	0.25	11.8	17.6	7.20	690
07-Oct-23	62.8	<3	3	<4	2	<4	2	4.8	0.06	0.24	11.8	17.0	7.35	1,140
08-Oct-23	58.5	<3	3	<4	2	<4	2	5.3	0.03	0.24	11.7	17.7	7.31	1,210
09-Oct-23	60.0	3	3	<4	2	<4	2	12.7	0.03	0.25	11.7	17.8	7.28	1,270
10-Oct-23	56.8	<3	3	<4	2	<4	2	1.6	<0.02	0.24	11.7	18.1	7.22	810
11-Oct-23	56.9	<3	3	<4	2	<4	2	11.0	0.05	0.24	11.8	18.2	7.21	910
12-Oct-23	55.6	5	3	nr	2	nr	2	nr	nr	0.24	11.9	18.7	7.18	1,420
13-Oct-23	53.3	3	3	<4	2	<4	2	2.2	0.05	0.24	12.0	18.2	7.23	1,150
14-Oct-23	53.6	5	3	<4	2	<4	2	9.8	0.10	0.24	12.1	17.5	7.24	3,260
15-Oct-23	55.8	3	3	<4	2	<4	2	9.7	0.05	0.24	12.1	17.6	7.18	2,190
16-Oct-23	55.4	4	3	<4	2	<4	2	3.8	0.06	0.23	12.0	18.3	7.51	1,780
17-Oct-23	53.8	4	3	<4	2	<4	2	2.9	0.03	0.23	12.1	18.4	7.29	1,720
18-Oct-23	53.9	<3	3	<4	2	<4	2	0.4	0.04	0.22	12.3	18.4	7.18	1,080
19-Oct-23	51.8	3	3	<4	2	<4	2	2.6	0.05	0.22	12.5	18.5	7.06	760
20-Oct-23	53.7	<3	3	<4	2	<4	2	3.7	0.11	0.22	12.6	18.5	7.25	810
21-Oct-23	52.8	<3	3	<4	2	<4	2	8.1	0.18	0.22	12.7	18.5	7.20	1,780
22-Oct-23	54.2	4	3	<4	2	<4	2	17.8	0.18	0.22	12.8	18.4	7.14	1,940
23-Oct-23	53.1	<3	3	<4	2	<4	2	22.8	0.04	0.22	12.9	18.4	7.09	3,260
24-Oct-23	52.4	4	3	<4	2	<4	2	4.6	0.03	0.21	13.1	17.9	7.05	1,720
25-Oct-23	53.3	<3	3	<4	2	<4	2	1.5	0.06	0.21	13.3	17.6	7.08	1,720
26-Oct-23	51.5	<3	3	<4	2	<4	2	1.5	0.05	0.21	13.5	17.5	7.16	5,170
27-Oct-23	55.2	<3	3	<4	2	<4	2	12.4	0.05	0.21	13.7	17.4	7.10	1,780
28-Oct-23	49.6	3	3	<4	2	<4	2	12.0	0.08	0.20	13.8	16.7	6.70	1,780
29-Oct-23	49.7	<3	3	<4	2	<4	2	5.6	0.11	0.20	13.9	16.3	7.17	1,560
30-Oct-23	48.7	ns	3	ns	2	ns	2	ns	ns	0.20	13.9	16.5	7.12	1,440
31-Oct-23	45.0	4	3	<4	2	<4	2	17.9	0.07	0.20	14.1	16.6	7.21	1,790
Max:	115.2													
Min:	45.0													
Average:	57.7	<3		<4		<4		8.4	0.07			18.0	7.17	
Total Flow:	1,789.3													
Geo. Mean:														1,381

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

Report Date: April 9, 2025, Revision 1