



South End Water Pollution Control Centre
Final Effluent Monitoring Report
August 2024

Licence # 2716RR	File # 1069.1	24 Hour Composite										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-Aug-24	56.74	<3	2	<4	2	<4	2	1.6	0.07	0.32	9.9	20.2	7.58	20
02-Aug-24	54.88	<3	2	<4	2	<4	2	1.3	0.04	0.31	9.8	23.4	7.31	10
03-Aug-24	51.36	<3	2	<4	2	<4	2	2.7	0.04	0.30	9.7	19.8	7.43	10
04-Aug-24	49.02	3	2	<4	2	<4	2	1.9	0.05	0.29	9.5	19.6	7.33	10
05-Aug-24	52.32	3	2	<4	2	<4	2	0.3	0.03	0.28	9.4	20.6	7.34	10
06-Aug-24	53.11	3	2	<4	2	<4	2	3.0	0.04	0.27	9.2	19.2	7.39	20
07-Aug-24	53.33	4	2	<4	2	<4	2	4.9	nr	0.26	9.1	19.5	7.31	20
08-Aug-24	51.78	3	2	nr	2	nr	2	25.9	0.03	0.26	9.0	19.1	7.32	20
09-Aug-24	51.62	3	2	<4	2	<4	2	9.5	0.04	0.25	8.9	19.3	7.38	350
10-Aug-24	50.00	<3	2	nr	2	nr	2	5.0	0.03	0.25	8.8	19.4	7.32	10
11-Aug-24	51.98	<3	2	<4	2	<4	2	2.2	0.03	0.25	8.7	19.8	7.39	10
12-Aug-24	52.81	4	2	<4	2	<4	2	2.3	0.04	0.24	8.6	20.6	7.28	<10
13-Aug-24	52.41	4	2	<4	2	<4	2	22.4	0.03	0.24	8.6	20.6	7.22	10
14-Aug-24	52.40	<3	2	<4	2	<4	2	13.0	0.08	0.24	8.6	20.0	7.32	<10
15-Aug-24	100.53	3	2	<4	2	<4	2	85.7	0.08	0.24	8.5	20.0	7.26	30
16-Aug-24	62.54	<3	2	<4	2	<4	2	1.9	0.03	0.23	8.3	19.9	7.25	150
17-Aug-24	56.00	ns	2	ns	2	ns	2	ns	ns	0.23	8.2	19.9	7.42	<10
18-Aug-24	56.64	<3	2	<4	2	<4	2	11.8	0.03	0.22	8.2	19.8	7.38	<10
19-Aug-24	56.57	<3	2	<4	2	<4	2	nr	nr	0.21	8.1	20.3	7.31	<10
20-Aug-24	56.48	3	2	<4	2	<4	2	1.8	0.03	0.17	8.0	20.2	7.31	10
21-Aug-24	55.67	3	2	<4	2	<4	2	2.6	0.06	0.15	8.0	20.3	7.45	10
22-Aug-24	58.40	4	2	<4	2	<4	2	3.8	0.05	0.14	8.0	20.4	7.24	20
23-Aug-24	61.75	6	3	<4	2	<4	2	105.0	0.19	0.15	8.1	20.2	7.30	520
24-Aug-24	59.70	3	3	<4	2	<4	2	137.3	0.71	0.17	8.2	20.8	7.41	10
25-Aug-24	54.95	4	3	nr	2	nr	2	118.1	0.47	0.19	8.3	20.2	7.38	50
26-Aug-24	57.42	4	3	4	2	<4	2	124.0	0.20	0.20	8.4	20.2	7.39	140
27-Aug-24	52.78	80	5	4	2	<4	2	113.5	0.13	0.20	8.5	20.0	7.28	30
28-Aug-24	53.58	5	6	4	2	<4	2	77.7	0.17	0.20	8.5	18.9	7.19	10
29-Aug-24	69.29	4	6	<4	2	<4	2	109.5	0.10	0.21	8.6	20.0	7.26	10
30-Aug-24	55.01	4	6	<4	2	<4	2	49.8	0.07	0.21	8.7	19.4	7.30	10
31-Aug-24	51.51	5	6	<4	2	<4	2	41.1	0.07	0.21	8.7	20.1	7.47	30
Max:	100.53													
Min:	49.02													
Average:	56.53	6		<4		<4		37.2	0.10			20.1	7.34	
Total Flow:	1,752.58													
Geo.Mean:														18

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: September 27, 2024