



South End Water Pollution Control Centre
Final Effluent Monitoring Report
July 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-Jul-24	133.44	4	2	<4	2	<4	2	15.1	0.47	0.34	12.3	16.4	7.45	<10
02-Jul-24	167.80	<3	2	nr	2	nr	2	4.4	0.17	0.34	12.3	16.4	7.44	10
03-Jul-24	117.73	o/l	2	o/l	2	o/l	2	o/l	o/l	0.35	12.3	16.3	7.43	<10
04-Jul-24	107.87	<3	2	<4	2	<4	2	14.5	0.38	0.35	12.3	16.9	7.52	30
05-Jul-24	98.05	<3	2	<4	2	<4	2	0.6	0.38	0.36	12.3	17.3	7.44	20
06-Jul-24	88.27	<3	2	<4	2	<4	2	1.3	0.38	0.37	12.2	17.5	7.75	10
07-Jul-24	85.59	<3	2	<4	2	<4	2	6.7	0.38	0.38	12.1	17.4	7.71	30
08-Jul-24	80.56	<3	2	nr	2	nr	2	4.4	0.17	0.38	12.0	17.6	7.48	<10
09-Jul-24	75.86	5	2	<4	2	<4	2	0.1	0.12	0.38	12.0	18.4	7.43	30
10-Jul-24	73.44	<3	2	<4	2	<4	2	0.1	0.10	0.38	11.9	18.5	7.44	10
11-Jul-24	70.09	<3	2	<4	2	<4	2	0.1	0.04	0.39	11.8	18.4	7.47	30
12-Jul-24	68.12	<3	2	<4	2	<4	2	0.1	<0.02	0.38	11.7	18.9	7.38	120
13-Jul-24	86.84	<3	2	<4	2	<4	2	0.1	<0.02	0.38	11.5	18.4	7.41	<10
14-Jul-24	75.31	3	2	<4	2	<4	2	0.1	<0.02	0.38	11.3	18.4	7.41	10
15-Jul-24	86.68	<3	2	<4	2	<4	2	0.1	0.13	0.38	11.2	18.5	7.43	50
16-Jul-24	75.74	<3	2	<4	2	<4	2	0.1	0.09	0.38	11.3	18.1	7.37	40
17-Jul-24	69.49	3	2	<4	2	<4	2	0.6	0.22	0.38	11.3	18.4	7.40	10
18-Jul-24	66.21	<3	2	<4	2	<4	2	<0.1	0.10	0.38	11.4	18.4	7.40	100
19-Jul-24	69.59	<3	2	<4	2	<4	2	0.1	0.15	0.37	11.3	18.2	7.42	40
20-Jul-24	68.46	<3	2	<4	2	<4	2	0.1	0.40	0.36	11.2	18.7	7.55	<10
21-Jul-24	78.09	<3	2	<4	2	<4	2	0.1	0.79	0.38	11.2	18.6	7.49	10
22-Jul-24	78.42	<3	2	<4	2	<4	2	11.8	0.86	0.39	11.1	18.4	7.34	20
23-Jul-24	64.61	<3	2	<4	2	<4	2	1.9	0.21	0.39	11.0	18.6	7.34	10
24-Jul-24	63.93	<3	2	<4	2	<4	2	0.8	0.05	0.39	10.8	19.0	7.41	40
25-Jul-24	62.10	<3	2	<4	2	<4	2	14.8	0.04	0.39	10.7	19.2	7.53	390
26-Jul-24	60.63	<3	2	<4	2	<4	2	1.8	0.04	0.38	10.6	20.2	7.46	10
27-Jul-24	57.73	<3	2	<4	2	<4	2	8.8	0.06	0.37	10.5	19.2	7.45	20
28-Jul-24	57.97	<3	2	<4	2	<4	2	1.3	0.05	0.36	10.3	19.3	7.44	<10
29-Jul-24	66.27	<3	2	<4	2	<4	2	2.8	0.04	0.35	10.2	19.4	7.45	60
30-Jul-24	57.07	3	2	<4	2	<4	2	9.4	0.05	0.34	10.1	19.3	7.38	2,360
31-Jul-24	57.31	<3	2	<4	2	<4	2	2.5	0.06	0.32	10.0	20.0	7.30	20
Max:	167.80													
Min:	57.07													
Average:	79.65	<3		<4		<4		3.5	0.20			18.3	7.45	
Total Flow:	2,469.27													
Geo.Mean:														22

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: August 28, 2024