



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

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-24	52.0	<3	4	10	7	<4	2	530.4	0.09	0.31	12.9	19.4	7.37	50
02-Oct-24	51.5	5	4	15	7	<4	2	507.3	0.10	0.30	13.1	19.3	7.41	20
03-Oct-24	51.6	4	4	8	8	<4	2	449.4	0.08	0.29	13.2	19.0	7.33	30
04-Oct-24	51.2	<3	4	7	8	<4	2	344.6	0.17	0.30	13.3	18.9	7.39	10
05-Oct-24	51.2	<3	4	7	8	<4	2	210.9	0.08	0.29	13.4	18.9	7.45	10
06-Oct-24	52.8	<3	4	7	8	<4	2	133.6	0.09	0.29	13.4	18.7	7.49	<10
07-Oct-24	51.6	<3	4	4	8	<4	2	42.0	0.06	0.29	13.3	19.3	7.31	10
08-Oct-24	50.6	<3	4	<4	8	<4	2	12.1	0.08	0.28	13.3	19.6	7.34	<10
09-Oct-24	49.1	6	4	4	8	<4	2	13.4	0.11	0.28	13.3	19.6	7.31	30
10-Oct-24	51.8	3	4	4	8	<4	2	16.8	0.31	0.28	13.3	19.2	7.28	10
11-Oct-24	51.1	<3	4	<4	8	<4	2	5.1	0.41	0.29	13.3	19.1	7.35	10
12-Oct-24	56.4	<3	3	4	8	<4	2	97.6	1.28	0.34	13.3	19.0	7.36	10
13-Oct-24	50.2	<3	3	<4	8	<4	2	73.8	0.52	0.35	13.3	18.6	7.20	20
14-Oct-24	53.6	<3	3	5	8	<4	2	98.1	0.66	0.38	13.3	18.5	7.23	<10
15-Oct-24	51.2	<3	3	<4	8	<4	2	78.3	0.25	0.38	13.4	18.5	7.29	10
16-Oct-24	53.1	<3	3	4	7	<4	2	149.2	0.82	0.40	13.3	18.1	7.22	10
17-Oct-24	50.8	<3	3	4	7	<4	2	115.8	0.40	0.41	13.0	17.1	7.25	20
18-Oct-24	50.1	3	3	nr	7	nr	2	122.2	0.39	0.42	12.9	18.1	7.28	10
19-Oct-24	51.2	4	3	4	7	<4	2	151.6	0.25	0.42	12.8	18.8	7.28	30
20-Oct-24	52.5	<3	3	4	7	<4	2	183.8	0.22	0.43	12.8	18.8	7.31	20
21-Oct-24	46.9	3	3	4	7	<4	2	91.9	0.09	0.43	12.7	19.0	7.11	40
22-Oct-24	52.9	4	3	nr	7	nr	2	222.7	0.59	0.43	12.6	19.0	7.17	>24,200
23-Oct-24	50.7	5	3	4	6	<4	2	211.4	0.08	0.41	12.5	18.5	7.15	50
24-Oct-24	54.1	3	3	4	6	<4	2	197.5	0.06	0.41	12.3	18.5	7.19	160
25-Oct-24	51.0	4	3	4	6	<4	2	132.1	0.05	0.41	12.1	18.2	7.23	80
26-Oct-24	51.6	3	3	<4	5	<4	2	117.6	0.06	0.41	11.9	18.2	7.30	10
27-Oct-24	52.3	3	3	4	5	<4	2	147.0	nr	0.41	11.9	18.3	7.21	40
28-Oct-24	51.5	3	3	4	5	<4	2	145.7	0.21	0.41	11.8	18.3	7.27	10
29-Oct-24	50.6	3	3	4	5	<4	2	64.3	0.08	0.41	11.8	18.4	7.11	30
30-Oct-24	55.9	<3	3	<4	5	<4	2	10.7	0.08	0.41	11.7	18.2	7.12	10
31-Oct-24	53.5	<3	3	<4	4	<4	2	3.4	0.18	0.42	11.6	18.2	7.03	10
Max:	56.4													
Min:	46.9													
Average:	51.8	<3		5		<4		151.0	0.26			18.7	7.27	
Total Flow:	1,604.6													
Geo.Mean:														21

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: November 29, 2024