



South End Water Pollution Control Centre
Final Effluent Monitoring Report
September 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-Sep-24	49.78	<3	6	<4	2	<4	2	31.7	0.18	0.22	8.7	19.7	7.32	20
02-Sep-24	55.27	5	6	4	2	<4	2	82.9	0.43	0.23	8.8	19.7	7.35	<10
03-Sep-24	55.47	5	6	4	2	<4	2	75.4	0.27	0.24	8.9	19.9	7.24	10
04-Sep-24	53.34	5	6	4	2	<4	2	39.0	0.17	0.24	9.0	20.2	7.35	50
05-Sep-24	52.29	4	6	4	3	<4	2	31.6	nr	0.25	9.1	20.0	7.23	<10
06-Sep-24	51.46	5	6	4	3	<4	2	37.7	0.08	0.25	9.2	nr	7.26	10
07-Sep-24	51.65	<3	6	4	3	<4	2	73.9	0.15	0.25	9.2	19.9	7.36	30
08-Sep-24	54.49	5	6	4	3	<4	2	138.9	0.23	0.26	9.3	19.9	7.22	20
09-Sep-24	58.26	5	6	4	3	<4	2	123.5	0.11	0.27	9.3	19.9	7.23	40
10-Sep-24	51.63	5	6	4	3	nr	2	78.0	0.11	0.27	9.3	20.4	7.25	40
11-Sep-24	51.15	5	6	4	3	<4	2	77.7	0.09	0.28	9.3	20.1	7.23	50
12-Sep-24	52.55	5	6	4	3	<4	2	100.9	0.13	0.28	9.4	20.2	7.37	20
13-Sep-24	51.07	4	7	4	3	<4	2	99.6	0.12	0.29	9.4	20.3	7.23	<10
14-Sep-24	51.69	4	7	4	3	<4	2	128.7	0.13	0.29	9.4	20.6	7.36	30
15-Sep-24	52.88	4	7	5	3	<4	2	170.3	0.12	0.29	9.5	20.4	7.24	40
16-Sep-24	57.68	5	7	8	3	<4	2	526.6	0.27	0.30	9.6	20.2	7.28	10
17-Sep-24	72.93	6	7	10	4	<4	2	867.9	0.23	0.31	9.9	20.3	7.09	5,480
18-Sep-24	73.77	4	7	7	4	<4	2	669.8	0.12	0.31	10.1	19.7	7.13	10
19-Sep-24	59.84	4	7	9	4	<4	2	476.3	0.08	0.32	10.3	19.9	7.33	30
20-Sep-24	56.52	4	7	8	4	<4	2	480.4	0.08	0.32	10.5	20.0	7.66	320
21-Sep-24	61.51	4	7	8	5	<4	2	284.2	0.06	0.32	10.7	19.9	7.47	30
22-Sep-24	57.23	4	7	12	5	<4	2	472.1	0.65	0.34	10.9	19.6	7.45	30
23-Sep-24	54.34	5	7	13	5	<4	2	804.2	0.41	0.33	11.1	19.2	7.44	220
24-Sep-24	55.31	6	7	11	5	<4	2	719.0	0.19	0.32	11.4	19.8	7.40	40
25-Sep-24	54.34	4	7	12	6	<4	2	679.3	0.08	0.31	11.7	20.1	7.30	140
26-Sep-24	53.03	<3	4	13	6	<4	2	625.8	0.08	0.31	12.0	20.0	7.42	70
27-Sep-24	52.66	3	4	9	6	<4	2	487.6	0.08	0.31	12.2	20.0	7.34	30
28-Sep-24	50.83	3	4	8	6	<4	2	401.6	0.17	0.31	12.4	20.2	7.58	140
29-Sep-24	51.03	3	4	7	7	<4	2	372.0	0.08	0.31	12.5	19.8	7.54	100
30-Sep-24	52.97	4	4	8	7	<4	2	505.3	0.16	0.31	12.6	19.9	7.47	10
Max:	73.77													
Min:	49.78													
Average:	55.23	4		7		<4		322.1	0.18			20.0	7.34	
Total Flow:	1,656.97													
Geo. Mean:														35

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: October 30, 2024