



South End Water Pollution Control Centre
Final Effluent Monitoring Report
April 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-Apr-24	59.47	<3	6	<4	4	<4	3	143.9	0.03	0.21	12.8	13.9	6.99	10	
02-Apr-24	53.05	<3	6	<4	4	<4	3	71.1	0.03	0.21	12.6	13.7	7.08	<10	
03-Apr-24	68.66	<3	6	<4	4	<4	3	182.6	0.06	0.21	12.6	14.1	6.93	20	
04-Apr-24	63.54	<3	5	4	3	<4	3	124.5	<0.02	0.20	12.4	13.6	6.95	<10	
05-Apr-24	65.31	<3	5	<4	3	<4	3	79.7	<0.02	0.20	12.4	13.8	6.94	30	
06-Apr-24	64.29	<3	5	<4	3	<4	3	73.3	<0.02	0.20	12.3	13.5	6.97	10	
07-Apr-24	62.54	<3	5	<4	3	<4	3	58.9	0.04	0.20	12.2	13.7	7.02	10	
08-Apr-24	59.38	<3	5	<4	3	<4	3	5.5	0.03	0.20	12.0	13.5	7.12	<10	
09-Apr-24	57.17	<3	5	<4	3	<4	3	2.5	0.04	0.20	12.0	14.1	7.09	<10	
10-Apr-24	56.22	<3	5	<4	3	<4	3	3.6	0.07	0.20	12.0	14.1	7.20	20	
11-Apr-24	57.87	<3	5	<4	3	<4	3	1.2	0.14	0.20	12.0	14.5	7.07	60	
12-Apr-24	57.69	<3	5	<4	3	<4	3	1.6	0.19	0.21	12.0	14.6	7.09	<10	
13-Apr-24	58.06	<3	5	<4	3	<4	3	5.5	0.34	0.22	12.0	14.6	7.15	<10	
14-Apr-24	58.32	<3	4	<4	3	<4	3	6.9	0.45	0.23	12.0	14.7	7.16	<10	
15-Apr-24	71.99	<3	4	<4	3	<4	3	3.7	0.30	0.24	12.0	14.7	7.11	<10	
16-Apr-24	112.49	4	5	<4	3	<4	3	74.1	0.28	0.25	12.0	14.3	7.06	100	
17-Apr-24	114.41	34	6	11	3	5	3	19.2	0.05	0.29	12.1	12.6	7.15	30	
18-Apr-24	83.83	3	6	<4	3	<4	3	8.3	0.10	0.30	12.2	12.6	7.25	10	
19-Apr-24	73.94	<3	6	<4	3	<4	3	5.8	0.18	0.30	12.2	12.6	7.37	10	
20-Apr-24	70.79	<3	3	<4	3	<4	2	111.1	0.58	0.26	11.6	12.9	7.25	<10	
21-Apr-24	69.59	<3	3	<4	3	<4	2	150.3	1.02	0.29	11.5	13.4	7.26	20	
22-Apr-24	65.29	<3	3	<4	3	<4	2	144.9	1.31	0.33	11.5	13.5	7.32	<10	
23-Apr-24	62.34	<3	3	<4	3	<4	2	177.0	1.52	0.40	11.5	13.8	7.27	60	
24-Apr-24	61.65	o/l	3	o/l	3	o/l	2	o/l	o/l	0.41	11.5	13.8	7.24	20	
25-Apr-24	60.38	<3	3	<4	3	<4	2	7.8	0.09	0.41	11.5	14.4	7.18	<10	
26-Apr-24	77.70	<3	3	<4	3	<4	2	36.1	0.09	0.41	11.5	na	7.18	10	
27-Apr-24	72.39	<3	3	<4	3	<4	2	7.7	0.13	0.41	11.6	14.0	7.20	<10	
28-Apr-24	69.12	<3	3	<4	2	<4	2	9.3	0.05	0.41	11.7	14.1	7.60	20	
29-Apr-24	65.96	3	3	<4	2	<4	2	2.5	0.04	0.41	11.7	13.8	7.15	<10	
30-Apr-24	63.37	3	3	<4	2	<4	2	8.7	0.04	0.41	11.7	14.1	7.24	10	
Max:	114.41														
Min:	53.05														
Average:	67.89	<3		<4		<4		52.7	0.25			13.8	7.15		
Total Flow:	2,036.81														
Geo. Mean:															11

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: May 30, 2024