



South End Water Pollution Control Centre
Final Effluent Monitoring Report
May 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-May-24	61.72	<3	3	<4	2	<4	2	6.0	0.04	0.41	11.8	14.1	7.29	1,900
02-May-24	103.08	<3	3	<4	2	<4	2	155.7	0.04	0.41	11.8	14.2	7.20	30
03-May-24	100.10	<3	3	<4	2	<4	2	22.6	0.05	0.41	11.9	13.8	7.10	<10
04-May-24	82.98	<3	3	<4	2	<4	2	31.4	0.04	0.41	11.9	13.7	7.25	60
05-May-24	78.12	<3	3	<4	2	<4	2	13.7	0.07	0.41	11.9	13.9	7.30	510
06-May-24	74.01	<3	3	<4	2	<4	2	1.9	0.07	0.41	11.9	14.2	7.33	<10
07-May-24	77.73	<3	3	<4	2	<4	2	11.3	0.08	0.41	12.1	13.3	7.42	10
08-May-24	68.85	<3	3	<4	2	<4	2	3.7	0.08	0.42	12.2	14.4	7.33	80
09-May-24	67.34	<3	3	<4	2	<4	2	1.9	0.16	0.42	12.3	15.5	7.35	<10
10-May-24	70.25	<3	3	<4	2	<4	2	2.6	0.11	0.42	12.4	15.0	7.24	10
11-May-24	66.45	<3	3	<4	2	<4	2	6.6	0.19	0.42	12.4	14.8	7.29	10
12-May-24	66.99	<3	3	<4	2	<4	2	11.1	0.15	0.42	12.5	14.8	7.23	10
13-May-24	63.95	<3	3	<4	2	<4	2	3.1	0.12	0.41	12.5	14.7	7.29	20
14-May-24	91.79	3	3	<4	2	<4	2	96.4	0.12	0.40	12.5	14.7	7.32	<10
15-May-24	79.72	<3	3	<4	2	<4	2	6.2	0.08	0.39	12.6	14.4	7.20	20
16-May-24	114.21	3	3	<4	2	<4	2	43.6	0.11	0.38	12.7	14.5	7.30	30
17-May-24	124.51	<3	2	<4	2	<4	2	5.0	0.07	0.33	12.7	14.1	7.28	10
18-May-24	123.50	<3	2	<4	2	<4	2	28.8	0.15	0.33	12.8	14.5	7.43	<10
19-May-24	99.31	<3	2	<4	2	<4	2	5.1	0.22	0.33	12.9	14.0	7.53	<10
20-May-24	90.46	<3	2	<4	2	<4	2	18.4	0.50	0.33	13.0	14.0	7.46	10
21-May-24	81.91	<3	2	<4	2	<4	2	2.0	0.23	0.30	13.0	14.5	7.44	10
22-May-24	79.45	<3	2	<4	2	<4	2	2.2	0.13	0.26	13.0	14.6	7.39	<10
23-May-24	76.00	<3	2	nr	2	nr	2	1.2	0.18	0.19	12.9	14.6	7.51	10
24-May-24	169.78	<3	2	<4	2	<4	2	47.9	0.10	0.18	12.9	14.3	7.24	<10
25-May-24	147.67	<3	2	<4	2	<4	2	30.3	nr	0.18	12.9	13.0	7.36	<10
26-May-24	115.13	<3	2	<4	2	<4	2	27.6	0.13	0.18	12.9	13.8	7.47	<10
27-May-24	99.65	<3	2	<4	2	<4	2	0.5	0.13	0.18	12.9	14.2	7.52	10
28-May-24	93.55	<3	2	<4	2	<4	2	1.9	0.18	0.18	12.8	14.2	7.44	10
29-May-24	86.20	<3	2	<4	2	<4	2	3.8	0.18	0.19	12.9	14.6	7.43	20
30-May-24	104.36	<3	2	<4	2	<4	2	14.4	0.24	0.19	12.9	14.9	7.48	30
31-May-24	87.87	<3	2	nr	2	nr	2	4.0	0.25	0.20	12.8	15.8	7.35	10
Max:	169.78													
Min:	61.72													
Average:	91.83	<3		<4		<4		19.7	0.14			14.4	7.35	
Total Flow:	2,846.64													
Geo.Mean:														14

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