



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

Licence # 2716RR	File # 1069.1	24 Hour Composite										Grab Sample		
Date	Raw Sewage Daily Flow	TSS		BOD5		cBOD5		Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	E.Coli
	ML	(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-Jan-24	49.1	<3	2	<4	2	<4	2	28.6	0.15	0.43	12.5	14.3	6.97	1,460
02-Jan-24	50.4	<3	2	<4	2	<4	2	21.5	0.07	0.41	12.5	14.8	7.11	860
03-Jan-24	51.4	<3	2	<4	2	<4	2	nr	0.08	0.41	12.4	14.7	7.20	1,240
04-Jan-24	50.8	3	2	<4	2	<4	2	41.1	nr	0.41	12.4	14.6	7.09	1,010
05-Jan-24	49.6	3	2	<4	2	<4	2	48.6	nr	0.41	12.3	14.7	6.98	1,020
06-Jan-24	49.8	<3	2	<4	2	<4	2	nr	0.28	0.41	12.3	13.6	7.02	790
07-Jan-24	52.2	3	2	<4	2	<4	2	nr	0.45	0.41	12.2	14.2	6.98	1,130
08-Jan-24	49.6	5	2	<4	2	<4	2	nr	nr	0.39	12.1	14.3	7.03	700
09-Jan-24	49.5	<3	2	<4	2	<4	2	nr	0.13	0.37	12.0	14.2	7.01	930
10-Jan-24	49.2	4	2	<4	2	<4	2	nr	0.12	0.35	12.0	14.3	7.02	640
11-Jan-24	48.1	3	2	<4	2	<4	2	14.0	0.15	0.35	12.0	13.8	7.04	590
12-Jan-24	49.8	4	2	<4	2	<4	2	13.2	0.15	0.35	12.1	14.1	7.00	760
13-Jan-24	49.6	4	2	<4	2	<4	2	42.5	0.62	0.36	12.1	13.1	6.94	570
14-Jan-24	51.3	3	2	<4	2	<4	2	74.9	nr	0.38	12.2	13.3	6.97	980
15-Jan-24	48.5	<3	2	<4	2	<4	2	51.9	nr	0.37	12.1	13.7	7.00	1,050
16-Jan-24	47.8	3	2	<4	2	<4	2	44.0	nr	0.35	12.2	13.6	7.09	670
17-Jan-24	47.8	<3	2	nr	2	nr	2	30.0	0.09	0.35	12.3	14.4	7.07	960
18-Jan-24	47.8	<3	2	<4	2	<4	2	26.5	0.14	0.35	12.4	13.9	7.05	730
19-Jan-24	48.2	3	3	<4	2	<4	2	29.9	0.12	0.36	12.5	13.8	6.92	750
20-Jan-24	49.6	4	3	<4	2	<4	2	56.5	0.46	0.37	12.6	13.6	6.86	1,150
21-Jan-24	50.8	3	3	<4	2	<4	2	133.7	0.41	0.39	12.7	13.7	7.00	1,520
22-Jan-24	48.2	<3	3	<4	2	<4	2	55.9	0.07	0.38	12.7	14.3	7.05	1,210
23-Jan-24	47.8	3	3	<4	2	<4	2	30.8	0.03	0.38	12.9	14.3	7.10	960
24-Jan-24	47.7	4	3	<4	2	<4	2	17.6	nr	0.38	13.0	14.8	6.93	960
25-Jan-24	47.8	3	3	<4	2	<4	2	25.1	<0.02	0.38	13.2	15.1	7.05	830
26-Jan-24	48.1	<3	3	<4	2	<4	2	22.2	<0.02	0.38	13.4	14.7	7.12	1,020
27-Jan-24	48.9	3	3	<4	2	<4	2	47.1	0.11	0.39	13.5	14.7	6.89	1,050
28-Jan-24	50.8	3	3	<4	2	<4	2	65.1	0.12	0.39	13.6	14.7	6.95	1,470
29-Jan-24	52.3	3	3	<4	2	<4	2	46.0	0.04	0.39	13.7	15.1	6.95	790
30-Jan-24	51.4	<3	3	<4	2	<4	2	29.0	0.03	0.39	13.8	15.0	6.98	550
31-Jan-24	54.7	<3	3	<4	2	<4	2	39.4	0.04	0.38	13.9	15.1	6.97	860
Max:	54.7													
Min:	47.7													
Average:	49.6	<3		<4		<4		41.4	0.16			14.3	7.01	
Total Flow:	1,538.6													
Geo. Mean:														909

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: April 9, 2025, Revision 1