



South End Water Pollution Control Centre
Final Effluent Monitoring Report
November 2023

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-Nov-23	45.2	5	3	4	2	<4	2	40.7	0.09	0.20	14.2	16.6	7.25	1,720
02-Nov-23	44.6	12	3	8	2	7	2	62.4	nr	0.20	14.4	16.2	7.18	2,610
03-Nov-23	44.3	<3	3	<4	2	<4	2	3.3	nr	0.21	14.5	17.3	7.15	1,040
04-Nov-23	45.4	3	3	<4	2	<4	2	0.3	<0.20	0.22	14.6	16.0	7.17	910
05-Nov-23	54.9	<3	3	<4	2	<4	2	0.4	0.30	0.23	14.7	16.1	7.19	700
06-Nov-23	52.2	<3	3	<4	2	<4	2	0.3	<0.20	0.23	14.8	16.5	7.10	1,220
07-Nov-23	51.3	3	3	<4	2	<4	2	3.5	<0.20	0.24	14.9	16.0	7.21	760
08-Nov-23	72.6	7	3	8	3	4	2	120.5	0.21	0.25	15.1	15.8	7.31	>24,200
09-Nov-23	58.1	<3	3	<4	3	<4	2	20.3	0.38	0.26	15.2	15.6	7.20	1,110
10-Nov-23	54.4	3	3	<4	3	<4	2	0.4	0.93	0.29	15.3	15.5	7.34	1,190
11-Nov-23	52.7	<3	3	<4	2	<4	2	0.3	0.97	0.33	15.3	15.4	7.32	910
12-Nov-23	55.1	<3	3	<4	2	<4	2	0.4	0.53	0.35	15.2	15.6	7.37	1,110
13-Nov-23	53.9	<3	3	<4	2	<4	2	0.4	0.35	0.36	15.1	16.0	7.37	800
14-Nov-23	56.2	<3	3	<4	2	<4	2	1.1	0.35	0.37	15.1	16.1	7.45	730
15-Nov-23	49.8	3	3	<4	2	<4	2	33.6	0.52	0.38	15.0	16.2	7.42	680
16-Nov-23	50.2	<3	3	<4	2	<4	2	11.1	0.43	0.40	14.9	15.9	7.23	1,240
17-Nov-23	48.2	<3	3	<4	2	<4	2	2.4	0.51	0.41	14.8	16.0	7.34	930
18-Nov-23	48.0	<3	3	<4	2	<4	2	1.6	0.64	0.44	14.6	15.7	7.33	1,010
19-Nov-23	49.1	<3	3	<4	2	<4	2	18.9	0.75	0.46	14.5	15.8	7.36	1,120
20-Nov-23	52.0	<3	3	<4	2	<4	2	4.6	0.83	0.49	14.3	15.9	7.44	990
21-Nov-23	46.4	3	3	<4	2	<4	2	9.3	0.19	0.49	14.1	14.9	7.31	2,100
22-Nov-23	46.4	<3	3	nr	3	nr	2	3.7	0.11	0.49	14.0	15.3	7.35	720
23-Nov-23	45.4	<3	3	nr	3	nr	2	1.0	0.20	0.49	13.8	15.2	7.36	930
24-Nov-23	45.0	3	3	<4	3	<4	2	2.2	0.41	0.50	13.7	14.5	7.59	1,620
25-Nov-23	45.6	<3	3	<4	3	<4	2	1.9	0.78	0.52	13.6	14.2	7.28	1,990
26-Nov-23	46.0	3	3	nr	3	nr	2	2.6	0.81	0.55	13.5	14.4	7.32	3,260
27-Nov-23	48.1	4	3	nr	3	nr	2	3.3	0.36	0.55	13.5	14.2	7.25	3,260
28-Nov-23	42.7	<3	3	<4	3	<4	2	2.3	0.35	0.57	13.5	14.5	7.30	2,190
29-Nov-23	42.7	<3	3	<4	3	<4	2	8.1	0.46	0.56	13.5	15.0	7.32	2,100
30-Nov-23	44.8	<3	3	<4	3	<4	2	1.9	0.41	0.57	13.4	15.6	7.29	1,560
Max:	72.6													
Min:	42.7													
Average:	49.7	<3		<4		<4		12.1	0.43			15.6	7.30	
Total Flow:	1,491.3													
Geo. Mean:														1,380

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: March 28, 2025, Revision 1