



South End Water Pollution Control Centre
Final Effluent Monitoring Report
November 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-Nov-24	53.3	<3	3	<4	4	<4	2	3.4	0.41	0.42	11.6	18.0	7.21	<10
02-Nov-24	55.0	<3	2	<4	4	<4	2	17.4	1.85	0.48	11.6	17.8	7.14	<10
03-Nov-24	98.8	<3	2	<4	4	<4	2	166.0	2.90	0.57	11.5	17.8	7.28	<10
04-Nov-24	71.2	<3	2	<4	3	<4	2	16.4	0.45	0.59	11.4	16.9	7.07	<10
05-Nov-24	59.3	<3	2	<4	3	<4	2	11.0	0.62	0.60	11.4	16.1	7.35	40
06-Nov-24	58.1	<3	2	<4	3	<4	2	45.9	1.11	0.64	11.4	16.4	7.59	<10
07-Nov-24	52.7	<3	2	<4	3	<4	2	87.0	1.00	0.67	11.6	17.0	7.26	<10
08-Nov-24	53.0	<3	2	<4	3	<4	2	157.4	0.53	0.68	11.8	17.2	7.68	20
09-Nov-24	53.3	<3	2	<4	3	<4	2	166.8	0.35	0.69	11.9	17.4	7.37	10
10-Nov-24	51.5	<3	2	5	3	<4	2	152.4	0.10	0.67	12.0	17.5	7.42	10
11-Nov-24	53.1	3	2	5	3	<4	2	164.1	0.05	0.63	12.1	17.3	7.40	30
12-Nov-24	54.9	<3	2	5	3	<4	2	208.1	0.06	0.61	12.2	16.9	7.31	40
13-Nov-24	50.7	3	2	6	3	<4	2	162.2	0.17	0.59	12.3	17.2	7.36	<10
14-Nov-24	50.9	4	2	6	3	<4	2	127.8	0.07	0.58	12.3	16.8	7.35	10
15-Nov-24	50.0	3	2	6	3	<4	2	170.0	0.06	0.54	12.5	17.6	7.16	20
16-Nov-24	56.6	3	3	7	4	<4	2	304.5	0.09	0.53	12.7	17.6	7.27	<10
17-Nov-24	58.8	4	3	8	4	<4	2	324.0	0.06	0.52	12.8	17.5	7.27	20
18-Nov-24	60.9	4	3	7	4	<4	2	380.0	0.31	0.52	12.9	17.2	7.28	<10
19-Nov-24	131.4	81	5	>45	5	14	2	1,115.6	0.03	0.62	13.1	17.4	7.17	20
20-Nov-24	86.5	5	5	9	5	<4	2	518.1	0.07	0.63	13.2	14.9	7.22	860
21-Nov-24	68.2	4	5	9	6	<4	2	375.1	0.06	0.61	13.1	15.3	7.27	240
22-Nov-24	63.8	3	5	8	6	<4	2	393.6	0.05	0.61	13.1	16.0	7.23	50
23-Nov-24	62.1	<3	5	9	6	<4	2	378.2	0.09	0.61	13.1	16.1	7.41	<10
24-Nov-24	63.3	<3	5	11	6	<4	2	500.7	0.06	0.61	13.2	16.1	7.41	40
25-Nov-24	61.2	4	5	14	6	<4	2	485.3	0.05	0.61	13.4	16.3	7.32	30
26-Nov-24	59.7	4	5	12	7	<4	2	466.3	0.05	0.61	13.5	16.2	7.30	220
27-Nov-24	60.4	<3	5	13	7	<4	2	476.6	0.13	0.60	13.6	16.2	7.31	10
28-Nov-24	58.4	3	5	13	7	<4	2	334.6	0.09	0.60	13.6	15.6	7.27	50
29-Nov-24	56.8	3	5	7	8	<4	2	425.4	0.07	0.60	13.8	15.0	7.30	20
30-Nov-24	57.2	<3	5	7	8	<4	2	347.2	0.03	0.59	13.9	14.8	7.42	20
Max:	131.4													
Min:	50.0													
Average:	62.4	5		8		<4		282.7	0.36			16.7	7.31	
Total Flow:	1,871.1													
Geo. Mean:														18

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: December 27, 2024