

South End Water Pollution Control Centre
Final Effluent Monitoring Report
June 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-Jun-24	81.77	<3	2	<4	2	<4	2	5.6	0.25	0.20	12.8	15.1	7.48	<10	
02-Jun-24	126.37	4	2	<4	2	<4	2	17.2	0.25	0.21	12.7	15.2	7.48	10	
03-Jun-24	137.25	<3	2	<4	2	<4	2	3.4	0.15	0.21	12.7	15.5	7.40	30	
04-Jun-24	148.05	<3	2	<4	2	<4	2	6.8	0.18	0.21	12.7	15.0	7.48	60	
05-Jun-24	115.23	<3	2	<4	2	<4	2	40.8	0.24	0.22	12.7	14.8	7.50	50	
06-Jun-24	96.86	<3	2	<4	2	<4	2	0.1	0.23	0.22	12.7	15.2	7.57	<10	
07-Jun-24	88.50	<3	2	<4	2	<4	2	0.1	0.20	0.22	12.8	15.2	7.46	20	
08-Jun-24	81.66	<3	2	<4	2	<4	2	0.1	0.21	0.23	12.7	16.2	7.41	10	
09-Jun-24	78.80	<3	2	<4	2	<4	2	0.1	0.19	0.23	12.7	15.2	7.49	<10	
10-Jun-24	80.40	<3	2	<4	2	<4	2	6.3	0.16	0.23	12.7	15.7	7.43	10	
11-Jun-24	77.98	<3	2	<4	2	<4	2	4.3	0.14	0.23	12.7	15.9	7.50	<10	
12-Jun-24	75.93	<3	2	<4	2	<4	2	0.1	0.17	0.23	12.8	16.0	7.46	10	
13-Jun-24	72.34	<3	2	<4	2	<4	2	2.5	0.18	0.23	12.9	16.4	7.48	10	
14-Jun-24	69.53	<3	2	nr	2	nr	2	0.4	0.18	0.23	13.0	16.4	7.42	<10	
15-Jun-24	74.46	<3	2	<4	2	<4	2	1.2	0.23	0.24	13.0	16.8	7.38	<10	
16-Jun-24	112.93	<3	2	<4	2	<4	2	0.7	0.19	0.24	12.8	16.8	7.30	10	
17-Jun-24	99.09	<3	2	<4	2	<4	2	0.1	0.29	0.25	12.7	16.4	7.40	10	
18-Jun-24	138.10	<3	2	<4	2	<4	2	0.8	0.22	0.25	12.5	15.9	7.34	20	
19-Jun-24	99.63	<3	2	<4	2	<4	2	1.0	0.58	0.25	12.5	15.4	7.42	<10	
20-Jun-24	84.61	<3	2	<4	2	<4	2	17.3	0.60	0.26	12.5	15.6	7.52	280	
21-Jun-24	79.06	<3	2	<4	2	<4	2	0.8	0.62	0.28	12.5	16.3	7.51	<10	
22-Jun-24	75.86	<3	2	<4	2	<4	2	3.2	0.54	0.29	12.5	16.7	7.64	20	
23-Jun-24	74.32	<3	2	<4	2	<4	2	1.5	0.41	0.30	12.5	16.5	7.48	<10	
24-Jun-24	74.21	<3	2	<4	2	<4	2	1.4	0.21	0.30	12.5	16.8	7.49	<10	
25-Jun-24	68.09	<3	2	<4	2	<4	2	3.1	0.18	0.30	12.5	17.1	7.48	10	
26-Jun-24	67.11	<3	2	nr	2	nr	2	1.5	0.20	0.31	12.5	17.0	7.39	110	
27-Jun-24	67.58	ns	2	ns	2	ns	2	ns	ns	0.31	12.5	17.0	7.40	20	
28-Jun-24	111.43	5	2	<4	2	<4	2	12.3	0.37	0.32	12.5	17.0	7.43	<10	
29-Jun-24	77.19	4	2	<4	2	<4	2	0.5	0.41	0.33	12.4	16.5	7.70	10	
30-Jun-24	68.64	ns	2	ns	2	ns	2	ns	ns	0.33	12.4	16.6	7.51	<10	
Max:	148.05														
Min:	67.11														
Average:	90.10	<3		<4		<4		4.7	0.28			16.1	7.46		
Total Flow:	2,702.98														
Geo.Mean:															12

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