



North End Water Pollution Control Centre  
Final Effluent Monitoring Report  
June 2024

Licence # 2684 RRR	File # 1071.1	24 Hour Composite							Grab Sample			
		TSS	BOD5	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform	E. Coli
Date	Raw Sewage Daily Flow ML	(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	267.2	12	13	4	4,836	1.62	2.00	27.0	14.9	7.09	430	390
02-Jun-24	355.4	82	52	30	6,433	1.86	2.03	27.2	15.1	6.99	40	40
03-Jun-24	664.2	62	26	18	5,327	0.84	2.01	26.9	15.3	7.40	>24,200	>24,200
04-Jun-24	638.2	66	32	22	4,933	0.67	1.98	26.6	15.8	7.26	>24,200	>24,200
05-Jun-24	482.9	27	21	11	4,815	0.85	1.93	26.3	15.7	7.25	>24,200	>24,200
06-Jun-24	380.9	15	8	5	5,218	1.08	1.90	26.0	15.2	7.20	10,100	>24,200
07-Jun-24	316.5	11	11	5	5,191	1.25	1.87	25.8	15.5	7.13	260	250
08-Jun-24	278.6	9	12	4	4,485	1.41	1.82	25.2	16.1	7.12	140	130
09-Jun-24	249.7	12	19	4	4,794	1.90	1.82	25.2	15.6	7.10	40	120
10-Jun-24	236.5	26	35	14	5,227	1.94	1.81	25.3	15.8	7.10	20	40
11-Jun-24	310.7	10	26	5	5,033	1.43	1.78	25.1	15.9	7.00	550	470
12-Jun-24	239.1	10	15	5	5,595	1.97	1.74	25.2	16.4	6.97	110	110
13-Jun-24	219.6	9	16	4	5,226	1.97	1.72	25.6	16.5	7.02	90	50
14-Jun-24	207.4	9	nr	nr	5,351	2.02	1.75	26.0	17.4	6.89	20	90
15-Jun-24	196.3	52	31	21	5,045	0.56	1.81	26.6	17.1	6.88	80	40
16-Jun-24	434.9	39	33	14	5,480	0.59	1.81	26.5	17.4	6.90	>24,200	>24,200
17-Jun-24	260.3	77	51	24	4,139	1.05	1.83	26.6	16.6	7.04	220	360
18-Jun-24	562.4	48	39	22	5,405	0.71	1.82	26.5	15.6	7.06	>24,200	>24,200
19-Jun-24	312.7	12	10	5	4,628	1.15	1.81	26.4	16.1	7.10	680	410
20-Jun-24	260.1	12	14	6	4,526	1.53	1.80	26.2	16.5	7.01	150	210
21-Jun-24	237.4	11	18	6	4,938	1.93	1.81	26.2	16.9	6.93	10	50
22-Jun-24	231.9	10	35	5	4,568	2.10	1.82	26.0	17.1	6.90	80	60
23-Jun-24	223.4	9	24	5	3,932	2.11	1.83	26.1	17.2	6.87	80	80
24-Jun-24	220.7	7	16	4	4,039	2.47	1.88	26.5	17.2	6.95	40	80
25-Jun-24	210.6	9	20	5	4,675	2.52	1.92	26.8	17.6	6.94	60	70
26-Jun-24	208.0	11	nr	nr	5,366	2.47	1.97	27.3	18.0	6.91	40	70
27-Jun-24	203.1	16	24	9	4,956	2.94	2.02	27.6	18.0	6.77	50	40
28-Jun-24	442.4	80	69	34	5,220	0.73	2.03	27.5	17.0	6.95	>24,200	>24,200
29-Jun-24	246.3	13	22	6	2,832	0.83	2.01	27.4	16.9	7.17	4,880	4,610
30-Jun-24	193.7	12	18	6	2,537	1.64	2.03	27.3	17.2	6.83	2,100	3,080
Max:	664.2											
Min:	193.7											
Average:	309.7	26	25	11	4,825	1.54			16.5	7.02		
Total Flow:	9,291.1											
Geo.Mean:											392	474

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) Raw wastewater flows in excess of 400 ML/D will by-pass the secondary process and flows in excess of 675 ML/D will cause raw sewage to by-pass the
- (4) Where value is expressed as less than (<), the value is halved and used in the calculations
- (5) \* = 30 day rolling average

Report Date: July 30, 2024