



North End Water Pollution Control Centre Monitoring Data
July 01, 2022 to July 31, 2022

Licence # 2684 RRR	File # 1071.1	Final Effluent 24 Hour Composite							Final Effluent Grab Sample					
		Date	Raw Sewage Daily Flow ML	TSS	BOD5	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform	E.Coli
				(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-Jul-22	216.1	8	8	<4	4,495	1.98	1.72	21.7	16.5	7.05	<10	10		
02-Jul-22	201.0	9	5	<4	4,141	2.38	1.78	22.1	16.5	7.07	20	<10		
03-Jul-22	200.4	30	21	15	4,048	2.28	1.84	22.3	16.3	7.02	90	60		
04-Jul-22	452.7	39	23	16	5,251	1.03	1.87	22.2	17.1	6.97	680	370		
05-Jul-22	256.6	11	8	5	4,516	1.52	1.89	22.4	18.2	7.15	310	260		
06-Jul-22	260.1	22	17	11	5,956	2.11	1.94	22.6	17.0	6.92	170	140		
07-Jul-22	230.4	10	9	5	4,977	1.85	1.95	22.7	18.0	6.94	200	240		
08-Jul-22	204.0	11	9	5	5,018	2.32	1.99	22.8	17.2	6.98	120	100		
09-Jul-22	191.0	13	22	6	4,832	2.55	2.02	22.9	17.5	6.95	90	60		
10-Jul-22	181.2	12	21	8	4,240	2.37	2.05	23.0	17.5	6.96	120	100		
11-Jul-22	418.5	42	nr	nr	5,399	1.24	2.04	22.7	17.8	6.95	>24,200	>24,200		
12-Jul-22	251.1	7	13	5	4,369	1.80	2.06	23.1	17.7	7.03	40	30		
13-Jul-22	212.2	10	11	6	5,411	2.40	2.10	23.2	17.8	6.93	360	70		
14-Jul-22	197.1	10	nr	nr	5,065	2.80	2.17	23.7	18.0	6.94	90	140		
15-Jul-22	183.9	13	13	6	5,131	2.69	2.22	24.2	17.9	6.84	20	40		
16-Jul-22	285.9	27	33	12	4,832	2.14	2.26	24.3	18.8	6.83	8,160	5,480		
17-Jul-22	183.4	21	38	12	4,016	2.24	2.30	24.3	18.4	6.85	230	120		
18-Jul-22	298.7	22	33	11	4,510	1.80	2.30	24.2	19.1	6.89	680	610		
19-Jul-22	457.8	50	36	21	4,990	1.20	2.29	23.9	19.9	6.87	>24,200	>24,200		
20-Jul-22	449.6	10	12	5	4,294	0.87	2.26	23.4	18.5	7.08	>24,200	>24,200		
21-Jul-22	254.5	12	18	5	4,428	1.51	2.26	23.4	18.5	7.16	40	100		
22-Jul-22	227.0	10	13	<4	3,859	1.77	2.28	23.5	17.8	7.05	10	20		
23-Jul-22	199.2	9	nr	nr	3,984	2.08	2.28	23.3	18.4	6.97	40	30		
24-Jul-22	182.0	10	18	<4	3,440	2.27	2.30	23.6	17.9	7.05	20	10		
25-Jul-22	180.2	48	38	21	3,514	2.41	2.37	23.9	17.6	6.90	10	10		
26-Jul-22	418.1	11	27	5	4,005	0.94	2.35	23.9	18.5	6.87	19,900	>24,200		
27-Jul-22	384.3	47	21	5	4,419	0.95	2.34	23.7	17.5	6.99	>24,200	>24,200		
28-Jul-22	272.0	10	13	4	4,026	1.25	2.32	23.6	17.6	7.02	50	90		
29-Jul-22	215.5	10	11	<4	4,030	2.09	2.33	23.5	17.5	6.96	40	30		
30-Jul-22	187.8	11	16	<4	3,474	2.49	2.34	23.2	18.4	6.95	10	20		
31-Jul-22	211.4	9	15	<4	3,425	2.44	2.35	23.1	18.2	6.96	30	20		
Max:	457.8													
Min:	180.2													
Average:	260.1	18	19	7	4,455	1.93			17.9	6.97				
Total Flow:	8,063.7													
Geo.Mean:											189	170		

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
- (5) 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 plant