



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

Licence # 2684 RRR	File # 1071.1	Final Effluent 24 Hour Composite							Final Effluent 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-Aug-22	169.1	10	14	4	3,078	2.49	2.34	23.1	18.1	7.09	20	40
02-Aug-22	180.5	6	17	4	3,574	3.09	2.34	23.3	18.0	6.91	<10	10
03-Aug-22	172.4	9	16	5	4,103	3.11	2.40	23.7	18.5	6.94	10	10
04-Aug-22	166.9	10	22	5	4,590	3.26	2.46	24.1	18.3	6.90	90	50
05-Aug-22	162.9	10	20	5	4,366	3.25	2.47	24.3	18.7	6.90	590	660
06-Aug-22	147.0	7	18	4	3,440	3.52	2.52	24.4	18.7	6.90	150	90
07-Aug-22	141.8	11	23	6	3,077	3.29	2.57	24.5	18.7	6.91	40	20
08-Aug-22	154.1	10	19	5	3,313	3.30	2.61	24.7	18.1	6.86	200	190
09-Aug-22	157.8	9	22	6	3,913	3.76	2.64	24.6	18.5	6.88	160	110
10-Aug-22	155.8	10	22	5	4,020	3.86	2.73	25.2	18.9	6.87	60	50
11-Aug-22	154.6	11	27	5	4,282	3.90	2.81	25.5	19.1	6.78	30	30
12-Aug-22	152.0	10	25	4	4,074	4.29	2.86	25.7	19.0	6.83	2,140	300
13-Aug-22	142.9	11	24	5	3,673	3.84	2.90	25.8	19.5	6.82	130	90
14-Aug-22	144.3	11	33	5	3,463	3.56	2.92	25.8	19.6	6.75	60	20
15-Aug-22	259.0	76	60	27	4,015	2.05	2.94	25.7	19.0	6.74	9,610	>24,200
16-Aug-22	619.2	57	49	24	3,678	0.61	2.89	25.3	18.1	7.09	>24,200	>24,200
17-Aug-22	337.3	25	23	9	3,542	1.17	2.87	25.2	18.5	7.01	650	640
18-Aug-22	631.9	48	30	21	2,970	0.71	2.86	25.1	19.0	6.99	>24,000	>24,000
19-Aug-22	418.6	16	13	6	3,031	1.00	2.87	25.1	19.0	7.18	>24,200	>24,200
20-Aug-22	278.9	13	15	5	2,742	1.31	2.87	25.3	19.1	7.05	260	190
21-Aug-22	231.3	13	14	5	2,406	1.28	2.86	25.4	18.8	6.98	160	100
22-Aug-22	218.4	11	13	6	2,424	1.84	2.87	25.4	18.9	6.96	30	30
23-Aug-22	208.6	10	15	9	2,900	2.50	2.94	25.4	18.9	6.84	110	100
24-Aug-22	212.4	14	14	5	2,804	1.82	2.92	25.5	18.9	6.82	30	40
25-Aug-22	187.1	12	15	6	3,068	2.24	2.98	26.0	19.1	6.79	<10	30
26-Aug-22	184.4	10	10	5	3,264	2.38	3.03	26.6	nr	6.75	100	20
27-Aug-22	173.2	12	15	5	3,170	2.37	3.08	27.1	19.4	6.83	50	20
28-Aug-22	172.3	11	11	4	3,291	2.36	3.10	27.4	20.4	6.86	100	50
29-Aug-22	368.0	55	52	26	4,085	1.40	3.09	27.3	18.6	6.79	>24,200	>24,200
30-Aug-22	210.2	8	8	4	2,670	1.28	3.06	27.3	18.7	6.80	10	30
31-Aug-22	186.1	12	11	5	3,313	1.81	3.05	27.4	19.3	6.71	60	40
Max:	631.9											
Min:	141.8											
Average:	229.0	17	22	8	3,430	2.47			18.8	6.89		
Total Flow:	7,099.0											
Geo.Mean:											176	151

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