



North End Water Pollution Control Centre Monitoring Data
August 01, 2023 to August 31, 2023

Licence # 2684 RRR	File # 1071.1	Final Effluent 24 Hour Composite							Final Effluent Grab Sample			
		Raw Sewage Daily Flow	TSS	BOD5	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform
Date	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-23	338.9	40	25	16	7,320	1.98	4.08	38.6	19.7	6.79	>24,200	>24,200
02-Aug-23	200.3	9	10	<4	4,647	1.79	4.01	38.5	20.2	6.85	140	120
03-Aug-23	170.2	11	9	4	5,310	2.94	3.96	38.4	20.6	6.81	130	150
04-Aug-23	163.1	10	9	4	5,236	3.16	3.91	38.3	20.7	6.74	30	60
05-Aug-23	148.0	6	8	<4	4,840	3.50	3.89	38.2	21.0	6.73	1,020	880
06-Aug-23	147.2	6	10	<4	4,563	3.76	3.93	38.4	20.9	6.81	200	160
07-Aug-23	153.6	8	10	<4	4,731	3.38	3.95	38.3	21.2	6.78	140	130
08-Aug-23	189.2	10	14	4	5,335	3.19	3.92	38.0	20.2	6.73	290	200
09-Aug-23	151.0	6	14	5	4,968	3.25	3.91	38.0	20.1	6.82	120	180
10-Aug-23	222.3	43	38	22	6,402	2.94	3.89	37.5	20.4	6.71	130	100
11-Aug-23	234.7	10	13	4	4,530	1.35	3.79	36.5	19.6	6.66	>24,200	>24,200
12-Aug-23	150.7	4	7	<4	3,994	2.48	3.74	35.8	20.3	6.69	240	130
13-Aug-23	154.7	8	11	<4	4,734	3.45	3.72	35.5	20.6	6.61	190	200
14-Aug-23	157.0	11	12	4	4,632	3.46	3.68	35.1	20.6	6.73	340	260
15-Aug-23	154.2	12	16	5	5,027	3.91	3.72	35.3	20.8	6.72	360	810
16-Aug-23	153.7	12	15	5	4,949	3.60	3.72	35.3	21.0	6.83	510	130
17-Aug-23	153.7	9	17	5	5,210	3.41	3.66	35.2	20.7	6.72	80	120
18-Aug-23	149.5	7	17	5	5,262	3.84	3.61	34.9	20.9	6.68	740	60
19-Aug-23	141.6	9	20	5	4,361	3.83	3.57	34.7	21.2	6.65	140	120
20-Aug-23	138.1	13	27	6	4,253	4.21	3.54	34.4	20.8	6.71	10	80
21-Aug-23	143.8	12	20	6	4,443	4.30	3.62	34.7	20.5	6.74	90	70
22-Aug-23	148.0	18	20	7	4,840	4.42	3.67	35.0	20.7	6.70	90	150
23-Aug-23	151.3	13	25	6	5,099	3.87	3.70	35.2	20.8	6.67	180	130
24-Aug-23	186.3	21	33	12	5,924	3.52	3.80	35.9	20.9	6.70	190	160
25-Aug-23	170.5	13	15	6	4,280	2.51	3.85	35.9	20.6	6.68	250	240
26-Aug-23	140.0	11	18	5	4,214	3.55	3.90	35.7	20.8	6.68	170	200
27-Aug-23	141.0	13	18	5	4,456	4.20	3.94	35.5	20.8	6.76	100	130
28-Aug-23	156.3	14	14	6	5,017	4.44	3.98	35.2	20.8	6.74	160	160
29-Aug-23	140.9	12	16	6	4,819	4.24	4.00	35.1	20.8	6.71	40	20
30-Aug-23	142.7	15	nr	nr	5,209	3.92	4.01	35.1	20.8	6.67	50	30
31-Aug-23	148.4	23	12	7	5,550	3.96	4.09	35.6	21.1	6.75	120	170
Max:	338.9											
Min:	138.1											
Average:	165.8	13	16	6	4,973	3.43			20.6	6.73		
Total Flow:	5,140.9											
Geo.Mean:											205	190

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