



North End Water Pollution Control Centre Monitoring Data
October 01, 2022 to October 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-Oct-22	141.6	11	16	4	3,498	3.33	3.05	30.8	19.1	6.75	140	10		
02-Oct-22	141.5	13	17	6	3,538	3.54	3.10	31.1	19.0	6.78	20	10		
03-Oct-22	142.6	10	36	5	3,422	3.50	3.16	31.0	19.1	6.71	10	10		
04-Oct-22	141.8	13	10	5	3,900	3.38	3.19	31.1	19.1	6.75	<10	10		
05-Oct-22	142.8	16	17	6	4,255	3.43	3.21	31.4	19.3	6.73	20	20		
06-Oct-22	149.8	14	13	7	4,314	3.40	3.27	31.8	18.5	6.82	50	40		
07-Oct-22	143.0	17	18	6	2,746	3.55	3.32	32.3	18.5	6.72	40	60		
08-Oct-22	134.9	18	17	9	3,588	3.56	3.39	32.6	18.8	6.73	30	20		
09-Oct-22	174.4	14	nr	nr	3,994	2.89	3.43	32.2	18.7	6.74	120	210		
10-Oct-22	134.8	9	13	5	3,572	2.92	3.44	32.1	18.2	6.71	40	60		
11-Oct-22	143.2	11	14	5	4,253	2.62	3.47	31.8	18.5	6.65	30	80		
12-Oct-22	149.9	17	17	8	4,137	3.45	3.52	31.6	18.3	6.71	60	110		
13-Oct-22	255.7	38	32	14	6,137	3.31	3.55	31.5	18.0	6.64	650	440		
14-Oct-22	267.3	21	15	12	2,780	0.77	3.48	30.8	13.7	6.77	>24,200	>24,200		
15-Oct-22	187.0	8	8	5	3,460	1.16	3.46	30.8	15.3	6.84	80	60		
16-Oct-22	152.7	6	11	5	3,558	1.74	3.46	31.2	16.1	6.89	60	40		
17-Oct-22	150.4	9	7	4	4,392	2.53	3.53	31.2	17.2	6.72	10	10		
18-Oct-22	151.7	10	8	5	4,505	2.90	3.59	31.4	17.2	6.74	10	40		
19-Oct-22	144.6	10	15	5	4,497	3.08	3.63	31.9	17.4	6.73	60	100		
20-Oct-22	145.7	11	14	4	4,342	2.97	3.66	32.2	17.8	6.77	30	60		
21-Oct-22	146.8	10	16	5	3,802	2.96	3.69	32.4	18.7	6.76	80	110		
22-Oct-22	139.9	8	7	<4	3,693	1.60	3.67	32.4	17.9	6.72	90	40		
23-Oct-22	138.5	80	nr	nr	4,197	1.28	3.63	32.5	17.9	6.78	10	30		
24-Oct-22	436.4	50	nr	nr	5,368	0.95	3.58	32.1	14.2	6.77	>24,200	>24,200		
25-Oct-22	220.9	8	7	4	3,667	0.79	3.50	31.9	15.5	6.94	150	90		
26-Oct-22	188.6	8	12	4	3,866	1.55	3.45	32.0	16.4	6.87	<10	10		
27-Oct-22	178.6	6	13	4	4,090	2.18	3.39	32.1	17.0	6.86	130	120		
28-Oct-22	173.1	9	13	5	3,912	2.89	3.36	32.2	19.5	6.84	60	30		
29-Oct-22	164.3	9	13	4	3,910	2.78	3.33	32.4	17.5	6.79	160	160		
30-Oct-22	167.6	9	15	4	3,855	2.18	3.29	32.4	17.5	6.71	40	10		
31-Oct-22	157.6	13	18	5	3,578	2.44	3.26	32.5	17.2	6.73	20	30		
Max:	436.4													
Min:	134.8													
Average:	171.2	16	15	6	3,962	2.57			17.6	6.76				
Total Flow:	5,307.7													
Geo.Mean:											61	62		

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