



North End Water Pollution Control Centre Monitoring Data

November 01, 2022 to November 30, 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-Nov-22	159.5	12	19	5	3,669	2.95	3.25	32.5	17.6	6.75	40	10		
02-Nov-22	151.3	12	18	6	3,888	2.59	3.25	32.7	17.8	6.77	120	120		
03-Nov-22	154.8	12	22	6	3,483	2.74	3.24	33.0	17.7	6.75	120	150		
04-Nov-22	165.6	14	16	6	3,776	2.42	3.20	33.1	17.2	6.66	10	20		
05-Nov-22	157.6	14	14	5	3,247	2.62	3.19	33.1	16.7	6.70	60	90		
06-Nov-22	159.0	14	23	8	3,609	3.18	3.18	33.3	16.8	6.69	30	100		
07-Nov-22	150.3	12	15	5	2,946	2.96	3.15	32.9	16.4	6.77	10	20		
08-Nov-22	174.8	14	17	8	4,055	2.84	3.17	33.4	16.7	6.69	10	40		
09-Nov-22	164.5	13	13	5	3,093	2.64	3.16	33.5	16.2	6.63	40	60		
10-Nov-22	153.2	13	13	5	3,079	3.19	3.13	33.8	16.2	6.68	90	100		
11-Nov-22	149.1	14	14	5	3,086	3.51	3.11	34.1	16.2	6.70	100	150		
12-Nov-22	145.9	12	17	5	2,364	3.59	3.09	34.1	16.2	6.61	50	90		
13-Nov-22	145.6	14	16	6	2,839	3.69	3.20	34.5	16.0	6.60	140	130		
14-Nov-22	138.7	15	12	6	2,927	4.07	3.29	34.6	16.3	6.63	110	110		
15-Nov-22	141.4	16	18	5	2,856	3.00	3.36	34.8	16.4	6.63	90	110		
16-Nov-22	138.5	14	16	5	3,033	3.18	3.41	34.9	16.1	6.67	60	60		
17-Nov-22	139.9	16	18	7	2,602	3.19	3.45	34.7	16.2	6.63	130	160		
18-Nov-22	139.4	13	18	5	3,137	3.68	3.47	34.6	16.2	6.61	180	190		
19-Nov-22	138.1	9	18	5	3,024	3.52	3.49	34.3	15.6	6.61	330	260		
20-Nov-22	134.2	14	18	5	3,167	3.14	3.50	34.2	16.0	6.57	140	80		
21-Nov-22	140.4	16	18	5	3,047	3.49	3.55	34.3	16.2	6.57	150	130		
22-Nov-22	165.0	21	33	9	4,224	3.23	3.62	34.5	16.2	6.54	260	330		
23-Nov-22	132.3	19	22	8	3,109	3.47	3.71	35.1	16.3	6.63	1,570	1,520		
24-Nov-22	141.8	14	17	7	3,417	3.58	3.81	35.4	16.4	6.52	400	380		
25-Nov-22	145.4	12	15	5	3,373	3.80	3.90	35.5	16.4	6.65	250	270		
26-Nov-22	154.6	9	16	5	3,602	4.06	3.98	35.5	16.3	6.58	130	210		
27-Nov-22	143.8	14	15	4	3,164	3.78	4.02	35.5	16.0	6.56	90	140		
28-Nov-22	138.7	21	25	9	3,800	3.88	4.07	35.6	16.0	6.72	130	120		
29-Nov-22	137.0	21	13	5	4,055	4.06	4.15	35.9	15.9	6.91	400	560		
30-Nov-22	139.9	19	12	5	4,309	3.76	4.22	36.4	15.6	6.89	650	780		
Max:	174.8													
Min:	132.3													
Average:	148.0	14	17	6	3,333	3.33			16.4	6.66				
Total Flow:	4,440.3													
Geo.Mean:											105	127		

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
- November 2-21 samples exceeded hold time for ammonia and ortho-phosphorus analysis