



North End Water Pollution Control Centre Monitoring Data
November 01, 2023 to November 30, 2023

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-23	150.0	12	29	8	4,740	4.26	3.78	37.6	17.9	6.73	10	80		
02-Nov-23	151.5	12	16	9	4,803	4.19	3.87	38.4	17.9	6.67	10	30		
03-Nov-23	151.8	10	17	8	4,645	4.57	3.97	39.1	17.8	6.68	90	110		
04-Nov-23	146.8	12	15	8	4,404	3.96	4.06	40.1	17.7	6.80	<10	30		
05-Nov-23	195.3	18	21	11	4,648	2.80	4.12	40.8	17.8	6.70	90	140		
06-Nov-23	266.3	10	12	6	3,808	0.33	4.03	40.7	13.7	6.79	360	620		
07-Nov-23	177.1	28	25	12	3,666	0.48	3.94	40.8	15.7	6.70	50	80		
08-Nov-23	377.9	41	28	14	5,139	0.19	3.83	40.3	12.0	6.82	>24,200	>24,200		
09-Nov-23	246.0	7	14	5	3,862	0.60	3.72	39.8	14.3	6.82	280	420		
10-Nov-23	202.7	9	13	5	3,973	0.82	3.62	39.4	15.3	6.72	60	90		
11-Nov-23	181.8	7	15	5	3,818	1.05	3.53	39.0	16.0	6.72	60	130		
12-Nov-23	192.7	11	26	7	4,451	1.26	3.45	38.8	16.3	6.73	60	70		
13-Nov-23	187.0	5	11	4	3,497	1.84	3.40	38.3	16.1	6.72	110	70		
14-Nov-23	191.2	6	24	6	4,283	2.48	3.39	37.9	16.4	6.84	10	20		
15-Nov-23	179.4	9	36	8	4,629	2.78	3.41	37.5	16.7	6.83	10	20		
16-Nov-23	202.2	14	23	7	4,934	2.75	3.43	37.2	16.7	6.78	20	10		
17-Nov-23	176.0	9	28	7	4,664	2.56	3.40	36.8	15.9	6.71	20	10		
18-Nov-23	170.8	10	26	6	4,731	2.88	3.38	36.7	16.7	6.72	50	10		
19-Nov-23	162.8	13	45	9	3,989	2.74	3.36	36.4	16.8	6.79	70	50		
20-Nov-23	168.0	11	20	7	4,049	2.82	3.34	36.0	16.4	6.79	20	10		
21-Nov-23	160.7	10	19	7	4,082	3.07	3.32	35.7	16.4	6.78	10	10		
22-Nov-23	159.1	11	nr	nr	4,232	3.33	3.31	35.3	16.0	6.78	10	<10		
23-Nov-23	152.5	12	nr	nr	4,026	3.19	3.29	34.8	16.1	6.74	70	80		
24-Nov-23	156.1	11	38	8	4,074	3.42	3.29	34.5	16.0	nr	30	50		
25-Nov-23	165.4	12	26	9	4,251	3.32	3.28	34.2	16.9	6.79	80	90		
26-Nov-23	162.1	8	nr	nr	3,291	3.10	3.26	34.1	16.2	6.78	30	60		
27-Nov-23	159.6	12	nr	nr	3,894	3.17	3.26	34.1	16.5	6.71	30	60		
28-Nov-23	161.6	12	15	7	4,040	3.16	3.22	34.0	15.5	6.76	<10	60		
29-Nov-23	161.2	12	16	9	4,304	3.22	3.18	33.8	14.4	6.75	20	20		
30-Nov-23	155.2	12	16	8	4,330	3.27	3.15	33.6	14.9	6.75	60	100		
Max:	377.9													
Min:	146.8													
Average:	182.4	12	22	8	4,242	2.59			16.1	6.76				
Total Flow:	5,470.8													
Geo.Mean:											41	57		

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) 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
- (4) Where value is expressed as less than (<), the value is halved and used in the calculations
- (5) * = 30 day rolling average