



North End Water Pollution Control Centre Monitoring Data
February 01, 2023 to February 28, 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-Feb-23	126.0	13	31	9	5,771	2.12	1.56	52.0	13.3	6.78	3,870	3,450		
02-Feb-23	133.2	13	nr	nr	6,340	2.06	1.60	52.4	13.0	6.81	80	40		
03-Feb-23	124.5	12	15	6	5,478	1.31	1.61	52.8	13.3	6.88	370	350		
04-Feb-23	125.2	20	14	6	5,108	1.07	1.62	52.9	13.2	6.87	2,760	3,650		
05-Feb-23	126.4	16	24	7	5,208	0.97	1.63	53.1	13.7	6.85	20	30		
06-Feb-23	127.1	20	19	11	5,427	0.82	1.63	53.3	14.3	6.72	170	150		
07-Feb-23	133.8	20	19	11	5,312	0.84	1.64	53.4	14.0	6.83	120	90		
08-Feb-23	134.7	18	15	9	5,307	0.74	1.64	53.4	14.0	6.82	1,190	1,310		
09-Feb-23	135.8	34	21	16	5,351	1.16	1.69	53.4	13.4	6.80	1,400	2,050		
10-Feb-23	133.2	18	10	6	5,368	0.62	1.71	53.8	13.5	6.79	180	220		
11-Feb-23	135.3	16	9	5	5,236	0.59	1.68	54.0	13.7	6.82	1,240	1,520		
12-Feb-23	131.6	16	11	6	4,896	0.72	1.66	53.7	13.9	6.79	50	110		
13-Feb-23	131.2	14	10	5	5,340	0.67	1.67	53.5	13.9	6.84	10	20		
14-Feb-23	134.2	14	11	6	5,583	0.90	1.67	53.4	13.7	6.86	50	80		
15-Feb-23	142.1	16	11	6	5,499	0.69	1.66	53.1	12.9	6.84	50	20		
16-Feb-23	136.0	12	10	6	5,726	0.59	1.65	52.7	12.7	6.80	<10	40		
17-Feb-23	131.9	12	7	5	5,342	0.90	1.66	52.2	12.8	6.79	20	40		
18-Feb-23	126.3	15	9	7	5,216	1.17	1.68	51.6	13.6	6.83	20	90		
19-Feb-23	129.3	17	17	6	5,172	1.35	1.71	51.0	13.2	6.81	10	30		
20-Feb-23	125.2	18	17	7	4,733	1.23	1.71	50.8	13.1	6.80	20	30		
21-Feb-23	137.9	18	13	7	5,351	1.19	1.72	50.6	12.1	6.91	<10	<10		
22-Feb-23	146.5	7	11	6	5,816	0.99	1.71	50.3	12.4	6.91	40	40		
23-Feb-23	125.8	27	12	7	5,095	0.83	1.70	50.2	12.2	6.82	100	150		
24-Feb-23	131.2	11	11	5	5,615	0.99	1.69	50.1	13.2	6.99	770	790		
25-Feb-23	128.8	16	12	6	5,307	1.00	1.65	50.1	13.1	6.85	10	10		
26-Feb-23	128.5	13	11	5	5,076	0.82	1.60	49.9	13.4	6.78	<10	10		
27-Feb-23	132.0	10	14	6	4,778	1.12	1.60	49.8	13.4	6.89	<10	<10		
28-Feb-23	136.1	13	13	5	5,566	0.89	1.59	49.7	13.4	6.80	<10	<10		
Max:	146.5													
Min:	124.5													
Average:	131.8	16	14	7	5,358	1.01			13.3	6.83				
Total Flow:	3,689.8													
Geo.Mean:											64	87		

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

Comments February 15-28 total phosphorus and February 14-28 total nitrogen rolling average results have been recalculated

Report Date: November 30, 2023, Revision 1