



North End Water Pollution Control Centre Monitoring Data

July 01, 2023 to July 31, 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-Jul-23	145.6	14	24	5	4,776	4.23	4.44	40.8	19.3	6.66	230	210		
02-Jul-23	219.6	25	nr	nr	4,875	3.11	4.44	40.4	19.0	6.67	1,400	1,720		
03-Jul-23	153.9	16	21	7	3,324	3.29	4.46	40.1	19.3	6.64	160	70		
04-Jul-23	160.2	17	20	7	4,582	4.25	4.53	40.3	18.8	6.72	110	110		
05-Jul-23	159.5	19	18	8	5,407	4.36	4.58	40.3	18.7	6.73	nr	nr		
06-Jul-23	212.2	41	34	22	7,385	3.99	4.59	40.5	19.0	6.71	1,630	1,790		
07-Jul-23	191.6	20	11	7	4,158	1.83	4.61	40.6	19.4	6.70	420	380		
08-Jul-23	148.0	20	12	6	4,973	2.51	4.64	40.8	19.0	6.73	330	610		
09-Jul-23	168.5	23	16	9	5,729	3.28	4.67	40.9	19.1	6.80	70	40		
10-Jul-23	151.3	20	13	8	4,917	3.16	4.65	40.9	18.9	6.84	60	50		
11-Jul-23	150.0	24	14	7	6,615	4.28	4.63	41.3	19.0	6.79	210	260		
12-Jul-23	148.5	20	16	7	6,178	3.91	4.62	41.9	19.2	6.79	820	600		
13-Jul-23	155.4	23	18	11	6,387	3.82	4.58	42.2	19.8	6.77	190	180		
14-Jul-23	150.0	13	19	11	5,490	3.35	4.54	42.2	19.4	6.79	490	480		
15-Jul-23	137.3	48	32	24	5,176	3.85	4.56	41.9	19.2	6.78	70	60		
16-Jul-23	224.7	19	13	6	5,168	2.16	4.50	41.2	18.1	6.76	300	170		
17-Jul-23	144.3	22	17	7	4,733	3.33	4.48	41.1	19.2	6.86	40	100		
18-Jul-23	146.7	23	20	8	5,487	4.08	4.52	41.1	19.6	6.90	100	60		
19-Jul-23	158.7	26	27	12	7,332	4.65	4.57	41.1	19.5	6.75	780	700		
20-Jul-23	149.8	22	22	10	6,247	3.88	4.57	40.9	19.8	6.75	120	130		
21-Jul-23	157.7	38	30	18	6,418	5.57	4.60	40.8	20.0	6.77	260	200		
22-Jul-23	211.0	20	18	10	5,022	2.05	4.54	40.5	20.0	6.72	80	50		
23-Jul-23	229.0	45	36	20	5,702	3.05	4.54	40.3	19.2	6.71	>24,200	>24,200		
24-Jul-23	155.9	64	49	nr	3,851	2.25	4.50	40.0	19.2	6.73	5,790	4,610		
25-Jul-23	417.6	40	20	13	5,512	0.84	4.38	39.2	20.0	6.59	>24,200	>24,200		
26-Jul-23	182.4	17	14	7	4,815	1.33	4.28	38.7	20.0	6.73	220	280		
27-Jul-23	165.5	15	15	7	5,941	2.23	4.20	38.7	20.5	6.84	70	100		
28-Jul-23	152.3	13	21	7	5,422	2.67	4.17	38.7	20.5	6.80	50	80		
29-Jul-23	144.0	12	15	6	5,213	3.13	4.17	38.9	20.5	6.73	60	40		
30-Jul-23	140.4	10	19	6	4,703	3.16	4.15	38.8	20.5	6.76	20	60		
31-Jul-23	149.6	16	17	6	5,101	3.11	4.13	38.8	20.1	6.79	<10	10		
Max:	417.6													
Min:	137.3													
Average:	173.6	24	21	10	5,375	3.25			19.5	6.75				
Total Flow:	5,381.2													
Geo.Mean:											239	240		

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 July 2 BOD and cBOD results are not reportable due to a QC failure

Report Date: November 30, 2023, Revision 1