



North End Water Pollution Control Centre Monitoring Data

June 01, 2023 to June 30, 2023

Licence # 2684 RRR	File # 1071.1	Final Effluent 24 Hour Composite							Final Effluent Grab Sample			
		TSS	BOD5	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform	E.Coli
Date	Raw Sewage Daily Flow ML	(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-Jun-23	163.2	17	17	7	5,908	3.25	2.75	37.3	16.6	6.93	330	340
02-Jun-23	196.1	18	20	11	6,412	3.29	2.82	37.7	17.0	6.81	40	60
03-Jun-23	200.1	20	19	8	5,723	2.74	2.86	37.8	18.2	6.85	860	1,410
04-Jun-23	200.3	13	18	5	4,967	2.48	2.88	37.6	18.5	6.80	40	40
05-Jun-23	201.0	20	28	8	5,447	3.42	2.95	37.7	17.2	6.91	50	110
06-Jun-23	193.5	23	22	7	5,205	2.82	2.97	37.6	18.6	6.77	100	130
07-Jun-23	369.5	28	35	10	6,097	1.51	2.92	37.2	18.2	6.84	>24,200	>24,200
08-Jun-23	207.2	12	13	4	4,621	1.96	2.92	36.9	17.6	6.86	80	60
09-Jun-23	198.5	9	19	4	5,677	2.96	2.91	36.7	17.4	6.88	60	100
10-Jun-23	171.3	13	19	5	4,933	3.37	3.02	37.1	17.5	6.86	50	100
11-Jun-23	165.0	14	19	5	4,587	3.76	3.13	37.3	17.0	6.81	20	40
12-Jun-23	170.2	12	17	6	4,902	4.09	3.23	37.3	17.1	6.84	<10	<10
13-Jun-23	167.1	22	21	6	4,929	4.23	3.33	37.6	17.6	6.87	<10	<10
14-Jun-23	166.0	16	20	7	5,793	4.29	3.44	38.0	17.3	6.86	20	20
15-Jun-23	161.5	18	18	7	6,234	3.91	3.51	38.5	17.5	6.83	100	100
16-Jun-23	158.9	14	17	6	5,593	3.68	3.59	38.9	17.4	6.78	20	30
17-Jun-23	166.3	16	27	8	5,471	3.65	3.68	39.2	17.6	6.76	40	20
18-Jun-23	167.6	12	22	7	4,927	3.53	3.74	39.4	17.8	6.76	100	40
19-Jun-23	165.7	15	16	7	5,534	4.08	3.81	39.7	17.9	6.78	10	10
20-Jun-23	166.7	16	23	6	6,101	4.61	3.91	40.2	18.7	6.73	40	20
21-Jun-23	163.8	13	23	7	6,388	4.18	3.98	40.8	18.8	6.74	20	10
22-Jun-23	251.2	44	66	23	7,410	3.49	4.04	40.9	18.0	6.72	>24,200	>24,200
23-Jun-23	166.2	9	18	5	4,604	3.17	4.05	40.6	18.8	6.70	100	50
24-Jun-23	156.0	12	18	5	4,883	4.60	4.11	40.5	18.5	6.72	10	40
25-Jun-23	152.7	14	22	6	4,627	4.73	4.19	40.5	18.4	6.76	<10	<10
26-Jun-23	160.5	14	18	6	5,040	4.55	4.25	40.5	18.4	6.73	20	10
27-Jun-23	205.8	25	22	11	5,762	3.86	4.33	40.7	18.6	6.62	>24,200	>24,200
28-Jun-23	182.8	16	18	7	5,868	3.59	4.37	40.9	18.8	6.63	100	140
29-Jun-23	182.4	15	22	6	5,399	3.30	4.38	40.8	19.1	nr	160	150
30-Jun-23	160.8	11	23	6	5,306	3.89	4.40	41.0	19.3	6.69	130	100
<b>Max:</b>	369.5											
<b>Min:</b>	152.7											
<b>Average:</b>	<b>184.6</b>	<b>17</b>	<b>22</b>	<b>7</b>	<b>5,478</b>	<b>3.57</b>			<b>18.0</b>	<b>6.79</b>		
<b>Total Flow:</b>	5,537.9											
<b>Geo.Mean:</b>											<b>80</b>	<b>82</b>

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