



North End Water Pollution Control Centre  
Final Effluent Monitoring Report  
April 2024

Licence # 2684 RRR	File # 1071.1	24 Hour Composite							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-Apr-24	191.2	12	27	15	6,921	2.31	2.71	46.8	13.9	6.99	90	10		
02-Apr-24	165.6	14	18	10	5,100	1.87	2.76	45.8	12.3	6.82	830	1,210		
03-Apr-24	224.5	20	29	16	7,880	2.38	2.84	45.3	13.4	6.74	190	240		
04-Apr-24	222.4	21	29	13	6,294	2.16	2.87	44.5	12.5	6.75	830	880		
05-Apr-24	209.0	25	33	12	6,228	2.08	2.86	44.1	13.1	6.79	320	460		
06-Apr-24	200.3	23	29	12	5,568	2.09	2.81	43.0	13.0	6.79	80	160		
07-Apr-24	193.6	19	33	11	5,401	2.16	2.76	42.4	13.1	6.81	30	50		
08-Apr-24	187.2	17	21	11	5,579	2.38	2.70	42.0	13.6	6.81	50	50		
09-Apr-24	180.4	19	22	12	5,935	2.67	2.64	41.8	13.4	6.80	250	160		
10-Apr-24	178.5	16	23	13	5,855	2.63	2.65	42.2	13.6	6.84	340	300		
11-Apr-24	186.8	25	31	14	5,922	2.78	2.71	42.5	13.7	6.80	500	500		
12-Apr-24	168.6	23	30	13	5,867	2.84	2.76	43.0	13.5	6.85	90	130		
13-Apr-24	167.4	25	31	13	5,876	2.80	2.81	43.3	14.2	6.80	100	160		
14-Apr-24	168.2	21	33	15	5,281	2.70	2.87	43.7	14.6	6.90	120	300		
15-Apr-24	166.0	50	39	22	4,831	2.92	2.95	44.0	14.1	6.87	200	240		
16-Apr-24	430.5	108	54	30	6,070	1.21	2.96	43.4	11.7	6.87	460	550		
17-Apr-24	508.5	79	29	16	5,441	0.64	2.94	42.9	9.7	7.17	>24,200	>24,200		
18-Apr-24	296.1	23	25	9	5,152	0.87	2.90	42.6	11.3	7.12	180	160		
19-Apr-24	245.1	21	17	8	5,392	1.24	2.85	42.3	11.8	7.02	120	100		
20-Apr-24	221.4	21	17	9	5,380	1.45	2.83	41.5	12.4	6.94	30	50		
21-Apr-24	208.8	19	16	6	5,157	1.92	2.82	41.0	13.1	6.93	30	40		
22-Apr-24	202.1	17	13	6	5,073	2.12	2.82	40.4	13.8	7.04	<10	20		
23-Apr-24	198.5	16	18	8	5,479	2.24	2.82	40.2	13.5	6.98	30	40		
24-Apr-24	198.0	16	23	8	6,395	2.30	2.83	40.2	14.1	6.94	10	<10		
25-Apr-24	196.4	13	18	6	6,304	2.30	2.83	39.5	14.2	6.90	10	40		
26-Apr-24	305.9	70	42	28	6,852	1.89	2.83	38.3	14.1	6.95	50	30		
27-Apr-24	314.8	13	11	6	4,942	0.80	2.79	37.4	12.5	6.93	170	360		
28-Apr-24	216.1	8	9	5	4,819	1.59	2.76	37.1	13.3	6.95	40	20		
29-Apr-24	211.0	11	12	6	5,549	1.82	2.76	36.5	13.5	6.95	40	60		
30-Apr-24	202.8	10	13	5	6,287	2.28	2.76	36.3	14.0	6.98	30	30		
<b>Max:</b>	508.5													
<b>Min:</b>	165.6													
<b>Average:</b>	<b>225.5</b>	<b>26</b>	<b>25</b>	<b>12</b>	<b>5,761</b>	<b>2.05</b>			<b>13.2</b>	<b>6.90</b>				
<b>Total Flow:</b>	6,765.7													
<b>Geo.Mean:</b>											<b>106</b>	<b>123</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) 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