



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

Licence # 2684 RRR	File # 1071.1	24 Hour Composite							Grab Sample			
Date	Raw Sewage Daily Flow	TSS	BOD5	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform	E.Coli
	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-Sep-24	139.2	11	25	6	3,508	0.65	0.89	37.9	20.5	6.88	230	260
02-Sep-24	143.2	11	24	5	3,480	0.70	0.90	38.1	20.5	6.83	190	150
03-Sep-24	155.9	12	24	5	4,100	0.78	0.90	38.4	20.8	6.79	150	250
04-Sep-24	147.4	11	23	5	4,186	nr	0.88	39.0	20.1	6.86	390	440
05-Sep-24	154.9	12	24	5	4,724	1.12	0.89	39.6	20.7	6.72	470	400
06-Sep-24	143.5	10	26	4	3,875	0.67	0.86	39.7	20.4	6.72	160	190
07-Sep-24	137.6	9	28	5	3,770	0.91	0.85	39.8	20.5	6.90	660	770
08-Sep-24	137.1	10	42	5	3,880	0.99	0.87	39.9	20.6	6.83	750	760
09-Sep-24	141.2	11	29	5	3,586	1.01	0.89	39.7	20.4	6.70	300	260
10-Sep-24	143.6	12	25	5	3,992	1.09	0.92	39.7	20.8	6.64	1,720	2,190
11-Sep-24	145.7	14	27	5	4,983	1.85	0.97	39.8	20.9	6.85	170	240
12-Sep-24	149.6	12	19	5	4,952	nr	1.04	40.3	21.0	6.75	3,080	4,350
13-Sep-24	151.6	17	25	4	4,730	2.52	1.12	40.6	20.9	6.80	300	370
14-Sep-24	144.8	8	32	5	3,982	2.67	1.16	41.3	21.1	6.81	400	300
15-Sep-24	138.6	11	35	6	4,006	3.30	1.27	42.0	21.2	6.84	140	190
16-Sep-24	205.3	32	51	15	4,845	2.90	1.39	42.1	20.8	6.69	220	100
17-Sep-24	336.7	46	45	15	4,343	1.15	1.44	41.5	19.2	6.75	>24,200	>24,200
18-Sep-24	289.1	42	34	16	4,539	1.11	1.48	41.2	20.0	6.33	>24,200	>24,200
19-Sep-24	215.5	11	20	5	3,987	1.52	1.52	41.0	20.2	6.70	1,660	2,280
20-Sep-24	165.4	9	22	4	3,887	2.07	1.57	40.9	20.5	6.88	380	440
21-Sep-24	295.4	28	30	13	4,845	1.97	1.61	40.5	19.1	6.91	>24,200	>24,200
22-Sep-24	164.9	9	19	4	2,243	2.11	1.67	40.0	19.2	6.63	60	110
23-Sep-24	158.1	9	23	4	2,941	nr	1.75	39.4	20.0	6.72	3,080	3,260
24-Sep-24	155.9	11	25	5	3,944	3.72	1.85	39.0	20.3	6.70	490	400
25-Sep-24	149.7	10	29	5	4,042	3.99	1.96	38.8	20.6	6.71	880	1,660
26-Sep-24	149.4	10	31	7	4,094	4.06	2.06	38.6	21.2	6.69	90	150
27-Sep-24	147.1	9	30	4	4,060	4.14	2.16	38.3	20.9	6.66	1,550	3,280
28-Sep-24	143.2	10	35	5	3,866	4.26	2.29	38.8	20.8	6.72	100	270
29-Sep-24	135.1	11	32	5	3,459	4.07	2.41	38.9	20.9	6.83	60	50
30-Sep-24	140.2	12	29	5	3,519	4.27	2.54	38.6	20.5	6.94	30	20
Max:	336.7											
Min:	135.1											
Average:	167.5	14	29	6	4,012	2.21			20.5	6.76		
Total Flow:	5,024.9											
Geo.Mean:											510	586

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

Report Date: October 30, 2024