



North End Water Pollution Control Centre
Final Effluent Monitoring Report
December 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-Dec-24	145.6	9	15	5	3,276	3.25	3.92	36.5	15.8	6.59	230	440
02-Dec-24	146.6	10	16	5	3,211	3.02	3.82	36.2	16.0	6.54	190	280
03-Dec-24	145.1	9	16	5	3,323	3.09	3.83	36.9	15.9	6.56	110	80
04-Dec-24	144.6	9	17	5	3,687	3.31	3.92	38.1	15.0	6.70	40	50
05-Dec-24	141.9	13	31	5	3,803	3.50	3.97	38.6	15.6	6.65	20	50
06-Dec-24	141.8	10	18	5	3,630	3.70	3.97	39.1	15.2	6.57	10	30
07-Dec-24	151.7	9	25	5	3,868	3.69	3.97	39.5	16.4	6.58	50	60
08-Dec-24	145.4	10	18	5	3,417	3.33	3.92	39.7	16.2	6.61	340	450
09-Dec-24	148.1	11	14	5	3,317	2.96	3.87	39.8	16.0	6.61	60	120
10-Dec-24	140.7	10	11	4	3,377	3.15	3.82	39.9	15.6	6.58	880	1,050
11-Dec-24	141.1	12	13	5	3,683	3.43	3.77	39.7	15.4	6.57	280	280
12-Dec-24	142.7	15	nr	nr	3,810	3.29	3.72	39.6	15.1	6.68	20	50
13-Dec-24	143.7	13	nr	nr	4,052	4.10	3.71	39.6	15.6	6.71	10	50
14-Dec-24	142.0	12	nr	nr	3,877	4.03	3.70	39.8	15.4	6.70	50	80
15-Dec-24	145.0	19	29	8	4,089	3.87	3.68	39.6	15.9	6.61	100	120
16-Dec-24	148.8	15	27	6	3,928	3.65	3.62	39.7	16.0	6.62	20	60
17-Dec-24	143.1	14	23	6	3,964	4.11	3.67	40.2	15.5	6.62	280	160
18-Dec-24	143.1	14	23	7	4,422	4.54	3.74	40.7	14.5	6.67	40	60
19-Dec-24	134.0	11	21	6	3,993	4.35	3.80	41.4	15.3	6.60	90	100
20-Dec-24	139.3	14	21	6	4,165	4.50	3.92	42.3	15.6	6.58	10	<10
21-Dec-24	140.1	12	25	6	3,965	4.00	4.00	42.9	15.1	6.66	10	<10
22-Dec-24	135.4	15	31	7	3,859	4.17	4.07	43.3	15.5	6.57	<10	<10
23-Dec-24	131.5	13	23	7	3,761	4.67	4.10	43.5	15.8	6.62	100	120
24-Dec-24	137.8	13	18	6	4,341	3.48	4.08	43.8	15.7	6.79	130	200
25-Dec-24	122.7	11	12	5	3,828	1.78	4.01	44.3	15.9	6.62	70	50
26-Dec-24	123.1	13	22	6	4,222	4.38	3.99	44.8	15.8	6.60	50	40
27-Dec-24	162.5	19	25	9	5,541	4.61	4.05	45.3	15.5	6.65	190	170
28-Dec-24	180.9	16	15	5	3,618	3.05	4.13	45.1	14.4	6.56	20	50
29-Dec-24	134.1	9	15	4	3,232	3.94	4.20	45.0	14.8	6.60	60	110
30-Dec-24	138.9	11	18	5	3,778	4.54	4.25	45.2	15.5	6.56	40	30
31-Dec-24	141.3	13	18	5	4,522	5.18	4.31	45.5	15.5	6.63	120	110
Max:	180.9											
Min:	122.7											
Average:	142.7	12	20	6	3,857	3.76			15.5	6.62		
Total Flow:	4,422.6											
Geo.Mean:											58	76

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: January 29, 2025