



North End Water Pollution Control Centre
Final Effluent Monitoring Report
January 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-Jan-24	128.0	15	25	9	nr	1.33	4.85	43.4	15.3	6.73	110	150
02-Jan-24	133.5	14	19	8	4,674	1.37	4.79	43.7	15.3	6.82	80	210
03-Jan-24	141.4	15	25	9	nr	1.34	4.70	44.2	15.2	6.95	260	370
04-Jan-24	136.9	10	18	7	nr	1.10	4.62	44.7	15.2	6.82	910	1,180
05-Jan-24	135.0	13	21	9	nr	1.37	4.53	45.3	15.3	6.69	1,020	1,780
06-Jan-24	133.7	9	19	7	nr	0.99	4.45	45.7	15.1	6.73	1,960	2,140
07-Jan-24	136.4	12	22	8	nr	0.68	4.34	46.0	14.5	6.74	900	1,250
08-Jan-24	141.3	13	18	7	nr	0.64	4.23	46.3	15.0	6.81	1,200	1,500
09-Jan-24	150.3	12	16	5	nr	0.73	4.09	46.7	14.1	6.80	280	390
10-Jan-24	144.2	11	18	6	nr	0.73	3.95	46.7	14.1	6.80	180	460
11-Jan-24	135.3	11	19	6	4,884	0.60	3.83	46.8	14.0	6.74	110	120
12-Jan-24	140.0	12	22	7	5,179	0.62	3.68	46.8	14.2	6.73	150	270
13-Jan-24	136.6	11	27	6	4,849	0.68	3.54	46.9	13.5	6.76	260	430
14-Jan-24	138.2	na	na	na	na	na	3.48	46.9	13.3	6.79	430	320
15-Jan-24	135.8	12	27	6	nr	nr	3.30	47.1	14.1	6.75	200	280
16-Jan-24	140.0	13	26	6	5,304	nr	3.13	47.3	14.3	6.80	110	240
17-Jan-24	146.7	9	nr	nr	4,884	0.33	2.93	47.3	14.2	6.74	40	40
18-Jan-24	141.0	7	22	6	5,004	0.34	2.73	47.7	14.1	6.72	100	140
19-Jan-24	136.0	12	26	7	5,238	0.40	2.56	48.0	13.5	6.82	60	30
20-Jan-24	137.5	9	27	6	5,309	0.45	2.40	48.2	14.3	6.77	20	20
21-Jan-24	138.0	11	30	7	4,980	0.46	2.22	48.3	19.3	6.74	<10	40
22-Jan-24	138.8	8	23	6	5,025	0.44	2.06	48.3	15.2	6.72	30	40
23-Jan-24	136.6	12	18	6	4,891	0.41	1.95	48.7	14.8	6.71	<10	<10
24-Jan-24	144.5	11	19	6	5,360	0.39	1.81	49.2	15.2	6.76	10	<10
25-Jan-24	140.7	9	18	5	5,149	0.26	1.62	49.3	15.4	6.71	<10	50
26-Jan-24	141.9	9	17	5	5,124	0.24	1.45	49.5	15.1	6.73	<10	10
27-Jan-24	141.2	10	17	5	5,141	0.29	1.34	49.6	14.4	6.70	10	20
28-Jan-24	139.5	9	17	5	5,315	0.27	1.24	49.8	15.0	6.73	10	10
29-Jan-24	152.6	15	24	7	5,663	0.16	1.17	49.8	14.8	6.69	10	10
30-Jan-24	188.5	14	11	6	6,202	0.15	1.11	49.7	14.5	6.78	230	370
31-Jan-24	223.0	19	18	11	6,690	0.14	1.07	49.4	14.0	6.69	20	40
Max:	223.0											
Min:	128.0											
Average:	143.6	12	21	7	5,243	0.60			14.7	6.76		
Total Flow:	4,453.1											
Geo.Mean:											78	116

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: April 09, 2025, Revision 1