



North End Water Pollution Control Centre
Final Effluent Monitoring Report
November 2023

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-Nov-23	150.0	12	29	8	4,739	>4.00	3.78	37.6	17.9	6.73	10	80
02-Nov-23	151.5	12	16	9	4,803	nr	3.87	38.4	17.9	6.67	10	30
03-Nov-23	151.8	10	17	8	4,645	nr	3.97	39.1	17.8	6.68	90	110
04-Nov-23	146.8	12	15	8	4,406	3.96	4.06	40.1	17.7	6.80	<10	30
05-Nov-23	195.3	18	21	11	4,648	2.80	4.12	40.8	17.8	6.70	90	140
06-Nov-23	266.3	10	12	6	3,808	0.33	4.03	40.7	13.7	6.79	360	620
07-Nov-23	177.1	28	25	12	3,665	0.48	3.94	40.8	15.7	6.70	50	80
08-Nov-23	377.9	41	28	14	5,139	<0.20	3.83	40.3	12.0	6.82	>24,200	>24,200
09-Nov-23	246.0	7	14	5	3,862	0.60	3.72	39.8	14.3	6.82	280	420
10-Nov-23	202.7	9	13	5	3,974	0.82	3.62	39.4	15.3	6.72	60	90
11-Nov-23	181.8	7	15	5	3,818	1.05	3.53	39.0	16.0	6.72	60	130
12-Nov-23	192.7	11	26	7	4,451	1.26	3.45	38.8	16.3	6.73	60	70
13-Nov-23	187.0	5	11	4	3,496	1.84	3.40	38.3	16.1	6.72	110	70
14-Nov-23	191.2	6	24	6	4,283	2.48	3.39	37.9	16.4	6.84	10	20
15-Nov-23	179.4	9	36	8	4,627	2.78	3.41	37.5	16.7	6.83	10	20
16-Nov-23	202.2	14	23	7	4,935	2.75	3.43	37.2	16.7	6.78	20	10
17-Nov-23	176.0	9	28	7	4,664	2.56	3.40	36.8	15.9	6.71	20	10
18-Nov-23	170.8	10	26	6	4,730	2.88	3.38	36.7	16.7	6.72	50	10
19-Nov-23	162.8	13	45	9	3,987	2.74	3.36	36.4	16.8	6.79	70	50
20-Nov-23	168.0	11	20	7	4,048	2.82	3.34	36.0	16.4	6.79	20	10
21-Nov-23	160.7	10	19	7	4,083	3.07	3.32	35.7	16.4	6.78	10	10
22-Nov-23	159.1	11	nr	nr	4,232	3.33	3.31	35.3	16.0	6.78	10	<10
23-Nov-23	152.5	12	nr	nr	4,027	3.12	3.29	34.8	16.1	6.74	70	80
24-Nov-23	156.1	11	38	8	4,074	3.42	3.29	34.5	16.0	nr	30	50
25-Nov-23	165.4	12	26	9	4,250	3.32	3.28	34.2	16.9	6.79	80	90
26-Nov-23	162.1	8	nr	nr	3,291	3.10	3.26	34.1	16.2	6.78	30	60
27-Nov-23	159.6	12	nr	nr	3,894	3.17	3.26	34.1	16.5	6.71	30	60
28-Nov-23	161.6	12	15	7	4,041	3.16	3.22	34.0	15.5	6.76	<10	60
29-Nov-23	161.2	12	16	9	4,303	3.22	3.18	33.8	14.4	6.75	20	20
30-Nov-23	155.2	12	16	8	4,330	3.27	3.15	33.6	14.9	6.75	60	100
Max:	377.9											
Min:	146.8											
Average:	182.4	12	22	8	4,242	2.44			16.1	6.76		
Total Flow:	5,470.8											
Geo.Mean:											41	57

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