



North End Water Pollution Control Centre
Final Effluent Monitoring Report
January 2025

Licence # 2684 RRR	File # 1071.1	24 Hour Composite							Grab Sample			
Date	Raw Sewage Daily Flow ML	TSS (mg/L)	BOD5 (mg/L)	cBOD5 (mg/L)	Ammonia (kg NH3-N/day)	Ortho Phosphorus (mg/L-P)	Total Phosphorus (mg/L-P)*	Total Nitrogen (mg/L-N)*	Temp. (°C)	pH (units)	Fecal Coliform MPN/100 mL	E.Coli
01-Jan-25	127.9	13	19	6	4,003	5.36	4.39	45.6	15.3	6.61	30	80
02-Jan-25	134.9	14	18	6	4,276	5.40	4.46	45.8	15.1	6.66	50	130
03-Jan-25	136.4	12	15	6	4,310	4.76	4.53	45.7	14.6	6.56	160	130
04-Jan-25	140.2	10	nr	nr	3,940	4.93	4.56	45.4	14.0	6.60	100	190
05-Jan-25	132.4	18	19	8	3,879	4.75	4.61	45.1	14.0	6.65	310	430
06-Jan-25	133.4	25	23	11	3,922	5.64	4.66	44.9	14.7	6.61	80	120
07-Jan-25	133.5	32	32	18	4,566	6.44	4.76	45.0	14.3	6.49	17,300	17,300
08-Jan-25	132.5	27	28	16	4,426	5.64	4.85	45.1	14.6	6.83	3,870	4,350
09-Jan-25	134.6	18	27	15	4,280	4.28	4.87	45.2	14.8	6.68	>24,200	>24,200
10-Jan-25	138.1	16	23	13	4,392	3.76	4.87	45.5	14.8	6.61	24,200	24,200
11-Jan-25	131.1	14	19	12	3,920	3.25	4.86	45.6	14.8	6.64	>24,200	>24,200
12-Jan-25	135.5	16	21	13	4,214	3.18	4.83	45.6	14.2	6.62	24,200	>24,200
13-Jan-25	131.0	14	18	11	4,402	2.96	4.80	45.3	14.6	6.70	19,900	>24,200
14-Jan-25	134.6	13	21	11	4,469	3.03	4.77	45.5	13.8	6.85	24,200	>24,200
15-Jan-25	135.1	11	17	11	4,323	2.77	4.73	45.7	14.8	6.76	19,900	>24,200
16-Jan-25	135.8	11	20	9	4,142	3.18	4.70	46.1	14.9	6.76	>24,200	>24,200
17-Jan-25	130.6	9	19	9	4,362	2.72	4.63	46.3	14.4	6.72	1,500	1,220
18-Jan-25	134.0	na	na	na	na	na	4.62	46.3	13.8	6.60	13,000	14,100
19-Jan-25	131.6	na	na	na	na	na	4.60	46.4	13.5	6.71	2,250	1,720
20-Jan-25	131.1	na	na	na	na	na	4.60	46.6	14.4	6.65	110	110
21-Jan-25	132.9	10	15	5	4,160	1.89	4.51	46.8	14.1	6.82	60	40
22-Jan-25	133.0	9	13	6	4,376	1.97	4.39	47.0	14.4	6.69	10	<10
23-Jan-25	134.6	10	6	4	4,671	2.12	4.34	47.3	14.9	6.80	20	20
24-Jan-25	135.3	9	6	4	5,601	2.31	4.35	47.4	14.8	6.79	30	10
25-Jan-25	132.9	7	6	4	5,103	2.06	4.28	47.6	14.9	6.62	40	20
26-Jan-25	135.7	8	7	<4	5,116	1.92	4.19	47.5	15.1	6.60	80	70
27-Jan-25	138.4	9	7	5	4,982	1.67	4.16	48.1	15.2	6.66	10	80
28-Jan-25	143.6	11	8	6	5,543	1.87	4.12	48.6	15.2	6.75	20	10
29-Jan-25	142.1	8	7	5	5,400	1.60	4.02	48.8	14.9	6.73	20	<10
30-Jan-25	140.2	9	nr	nr	5,496	1.73	3.91	48.9	15.4	6.70	10	30
31-Jan-25	131.5	9	10	6	5,299	1.82	3.78	49.0	15.1	6.66	10	30
Max:	143.6											
Min:	127.9											
Average:	134.7	13	16	9	4,556	3.32			14.6	6.68		
Total Flow:	4,174.5											
Geo.Mean:											437	472

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: February 28, 2025