



North End Water Pollution Control Centre Monitoring Data

February 01, 2024 to February 29, 2024

Licence # 2684 RRR	File # 1071.1	Final Effluent 24 Hour Composite							Final Effluent Grab Sample					
		Date	Raw Sewage Daily Flow ML	TSS	BOD5	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform	E.Coli
				(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-Feb-24	154.5	11	15	5	4,326	0.07	1.01	49.2	12.9	6.73	2,910	5,790		
02-Feb-24	160.0	10	15	6	5,440	0.08	0.96	48.9	14.1	6.68	50	10		
03-Feb-24	155.5	10	15	6	5,256	0.07	0.91	48.5	14.2	6.68	30	60		
04-Feb-24	195.3	11	20	7	5,820	0.08	0.87	48.1	14.3	6.68	30	30		
05-Feb-24	194.1	8	16	8	4,988	0.07	0.83	47.8	13.8	6.80	250	40		
06-Feb-24	221.0	15	14	7	5,326	0.04	0.80	47.4	12.8	6.98	30	50		
07-Feb-24	235.6	39	29	18	5,866	0.10	0.80	47.0	12.8	6.92	40	60		
08-Feb-24	328.0	52	33	18	4,920	0.07	0.80	46.2	9.2	7.11	1,960	6,490		
09-Feb-24	154.0	12	11	5	3,727	<0.05	0.77	45.7	11.0	6.87	60	40		
10-Feb-24	143.3	12	19	5	4,313	0.11	0.75	45.4	13.5	6.77	20	30		
11-Feb-24	139.5	9	14	5	4,492	0.09	0.72	45.1	13.9	6.74	10	10		
12-Feb-24	146.2	9	14	6	4,795	0.10	0.70	44.8	14.4	6.72	40	50		
13-Feb-24	137.9	8	16	6	5,282	0.25	0.69	45.1	14.3	6.75	20	<10		
14-Feb-24	137.0	11	12	5	5,275	0.45	0.69	45.1	14.2	6.81	10	30		
15-Feb-24	135.5	9	13	7	5,393	0.72	0.71	45.1	13.6	6.79	10	20		
16-Feb-24	136.6	10	13	6	5,505	0.77	0.74	45.4	13.8	6.80	<10	30		
17-Feb-24	135.9	12	15	6	5,137	1.10	0.77	45.2	14.0	6.75	20	10		
18-Feb-24	128.6	11	23	8	4,552	1.77	0.83	44.7	14.3	6.71	30	50		
19-Feb-24	131.9	13	14	8	4,682	2.20	0.90	44.4	13.8	6.71	10	10		
20-Feb-24	134.8	16	14	7	5,055	1.70	0.96	44.3	14.0	6.74	<10	10		
21-Feb-24	136.1	10	23	9	5,621	1.27	1.01	44.3	14.2	6.77	10	40		
22-Feb-24	151.7	15	25	9	6,842	1.07	1.04	44.3	14.7	6.78	100	150		
23-Feb-24	135.0	14	23	8	5,346	0.66	1.05	44.2	13.7	6.75	200	150		
24-Feb-24	148.8	13	27	8	6,235	0.79	1.08	44.3	14.4	6.76	80	100		
25-Feb-24	136.9	12	27	7	5,709	0.47	1.08	44.2	13.9	6.69	150	160		
26-Feb-24	139.7	12	19	6	5,588	0.51	1.09	44.2	14.3	6.75	40	60		
27-Feb-24	134.6	10	24	7	5,626	0.51	1.11	44.0	13.4	6.79	30	90		
28-Feb-24	138.5	9	18	6	5,983	0.64	1.12	44.0	13.2	6.81	150	160		
29-Feb-24	136.0	12	19	6	5,644	0.50	1.14	44.4	13.7	6.78	20	80		
Max:	328.0													
Min:	128.6													
Average:	157.3	14	19	7	5,267	0.56			13.6	6.78				
Total Flow:	4,562.5													
Geo.Mean:											42	54		

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: March 28, 2024