



North End Water Pollution Control Centre Monitoring Data
December 01, 2023 to December 31, 2023

| Licence # 2684 RRR | File # 1071.1 | Final Effluent 24 Hour Composite | | | | | | | Final Effluent Grab Sample | | | |
|-----------------------|------------------|-------------------------------------|-----------|----------|--------------|------------------|------------------|----------------|-------------------------------|-------------|----------------|------------|
| | | TSS | BOD5 | cBOD5 | Ammonia | Ortho Phosphorus | Total Phosphorus | Total Nitrogen | Temp. | pH | Fecal Coliform | E.Coli |
| | | | | | | | | | | | | |
| 01-Dec-23 | 152.7 | 12 | 20 | 8 | 4,398 | 3.43 | 3.13 | 33.5 | 16.1 | 6.64 | 30 | 80 |
| 02-Dec-23 | 149.8 | 13 | 19 | 8 | 4,509 | 3.53 | 3.08 | 33.2 | 16.1 | 6.76 | 40 | 80 |
| 03-Dec-23 | 147.6 | 11 | 23 | 8 | 4,384 | 3.62 | 3.03 | 33.0 | 16.1 | 6.77 | 20 | 30 |
| 04-Dec-23 | 148.8 | 12 | 18 | 8 | 4,122 | 3.55 | 3.03 | 32.7 | 16.1 | 6.74 | 30 | 60 |
| 05-Dec-23 | 142.7 | 15 | 17 | 8 | 3,853 | 3.68 | 3.06 | 32.6 | 15.6 | 6.81 | 30 | 60 |
| 06-Dec-23 | 143.0 | 12 | 16 | 9 | 4,219 | 3.85 | 3.18 | 33.0 | 16.3 | 6.75 | 80 | 130 |
| 07-Dec-23 | 144.2 | 15 | 21 | 9 | 4,095 | 3.59 | 3.28 | 33.3 | 16.5 | 6.68 | 340 | 340 |
| 08-Dec-23 | 150.4 | 13 | 19 | 9 | 4,467 | 3.82 | 3.40 | 33.8 | 16.5 | 6.84 | 80 | 200 |
| 09-Dec-23 | 143.5 | 13 | 20 | 9 | 4,190 | 3.94 | 3.51 | 34.4 | 15.9 | 6.73 | 330 | 500 |
| 10-Dec-23 | 139.0 | 15 | 21 | 10 | 4,073 | 3.95 | 3.65 | 34.7 | 15.9 | 6.71 | 120 | 180 |
| 11-Dec-23 | 140.1 | 16 | 23 | 11 | 4,329 | 4.31 | 3.77 | 35.1 | 16.1 | 6.70 | 310 | 410 |
| 12-Dec-23 | 141.0 | 17 | 21 | 9 | 4,836 | 4.52 | 3.87 | 35.6 | 15.9 | 6.77 | 340 | 420 |
| 13-Dec-23 | 141.2 | 16 | 21 | 10 | 4,843 | 4.38 | 3.99 | 36.4 | 15.9 | 6.78 | 190 | 340 |
| 14-Dec-23 | 142.9 | 16 | 29 | 11 | 4,959 | 4.34 | 4.08 | 37.1 | 16.3 | 6.83 | 230 | 230 |
| 15-Dec-23 | 140.9 | 13 | 24 | 10 | 4,692 | 4.28 | 4.14 | 37.6 | 16.1 | 6.74 | 260 | 200 |
| 16-Dec-23 | 139.0 | 16 | 32 | 11 | 4,851 | 4.53 | 4.24 | 38.1 | 16.1 | 6.75 | 190 | 230 |
| 17-Dec-23 | 135.7 | 16 | 29 | 11 | 4,926 | 4.09 | 4.35 | 38.5 | 16.0 | 6.73 | 240 | 340 |
| 18-Dec-23 | 141.4 | 18 | 30 | 10 | 5,430 | 5.02 | 4.45 | 38.6 | 15.3 | 6.82 | 340 | 490 |
| 19-Dec-23 | 141.2 | 16 | 27 | 10 | 5,408 | 5.01 | 4.57 | 38.8 | 15.6 | 6.70 | 840 | 1,210 |
| 20-Dec-23 | 140.2 | 16 | nr | nr | 4,851 | 3.98 | 4.65 | 39.4 | 15.8 | 6.71 | 360 | 460 |
| 21-Dec-23 | 142.6 | 17 | 22 | 7 | 4,820 | 4.05 | 4.71 | 39.8 | 16.1 | 6.73 | 340 | 330 |
| 22-Dec-23 | 141.5 | 12 | 23 | 11 | 5,009 | 3.78 | 4.77 | 40.4 | 15.9 | 6.74 | 30 | 150 |
| 23-Dec-23 | 148.0 | 15 | 25 | 11 | 5,224 | 4.08 | 4.83 | 40.9 | 16.0 | 6.69 | 100 | 80 |
| 24-Dec-23 | 181.8 | 20 | 30 | 12 | 5,254 | 2.94 | 4.82 | 41.1 | 15.6 | 6.66 | 60 | 90 |
| 25-Dec-23 | 129.6 | 17 | 21 | 7 | 3,434 | 3.39 | 4.86 | 41.1 | 14.9 | 6.66 | 50 | 120 |
| 26-Dec-23 | 125.6 | 18 | 25 | 9 | 4,484 | 4.24 | 4.94 | 41.4 | 15.0 | 6.68 | 10 | 10 |
| 27-Dec-23 | 137.1 | 12 | 25 | 9 | 5,128 | 3.87 | 5.02 | 41.9 | 15.6 | 6.77 | <10 | <10 |
| 28-Dec-23 | 136.6 | 17 | 23 | 11 | 5,491 | 2.90 | 5.03 | 42.3 | 15.5 | 6.77 | 150 | 290 |
| 29-Dec-23 | 139.1 | 13 | 26 | 9 | 4,924 | 2.56 | 5.02 | 42.6 | 15.7 | 6.77 | 10 | 10 |
| 30-Dec-23 | 136.2 | 14 | 25 | 9 | 4,862 | 1.72 | 4.98 | 42.9 | 15.3 | 6.71 | 110 | 160 |
| 31-Dec-23 | 135.6 | 17 | 25 | 8 | 4,204 | 1.55 | 4.91 | 43.1 | 15.2 | 6.71 | 100 | 130 |
| Max: | 181.8 | | | | | | | | | | | |
| Min: | 125.6 | | | | | | | | | | | |
| Average: | 142.5 | 15 | 23 | 9 | 4,654 | 3.76 | | | 15.8 | 6.74 | | |
| Total Flow: | 4,419.0 | | | | | | | | | | | |
| Geo.Mean: | | | | | | | | | | | 96 | 141 |

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