

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

| Licence #<br>2684 RRR | File #<br>1071.1               | 24 Hour Composite |                |                 |                           |                              |                               |                             | Grab Sample   |               |                              |         |
|-----------------------|--------------------------------|-------------------|----------------|-----------------|---------------------------|------------------------------|-------------------------------|-----------------------------|---------------|---------------|------------------------------|---------|
| Date                  | Raw Sewage<br>Daily Flow<br>ML | TSS<br>(mg/L)     | BOD5<br>(mg/L) | cBOD5<br>(mg/L) | Ammonia<br>(kg NH3-N/day) | Ortho Phosphorus<br>(mg/L-P) | Total Phosphorus<br>(mg/L-P)* | Total Nitrogen<br>(mg/L-N)* | Temp.<br>(°C) | pH<br>(units) | Fecal Coliform<br>MPN/100 mL | E.Coli  |
| 01-May-25             | 160.0                          | 11                | 12             | 6               | 5,282                     | 2.42                         | 3.07                          | 41.0                        | 14.1          | 6.88          | 20                           | 20      |
| 02-May-25             | 154.4                          | 11                | 14             | 6               | 5,188                     | 2.21                         | 3.06                          | 41.0                        | 14.2          | 6.95          | 20                           | 30      |
| 03-May-25             | 150.0                          | 11                | 18             | 6               | 5,309                     | 3.10                         | 3.09                          | 41.1                        | 15.1          | 6.80          | 20                           | 40      |
| 04-May-25             | 150.5                          | 10                | 18             | 6               | 5,252                     | 3.14                         | 3.12                          | 41.6                        | 15.6          | 6.81          | 10                           | 50      |
| 05-May-25             | 154.1                          | 10                | 18             | 6               | 5,439                     | 3.30                         | 3.15                          | 42.0                        | 14.4          | 6.89          | 50                           | 50      |
| 06-May-25             | 156.9                          | 10                | 18             | 7               | 6,041                     | 3.86                         | 3.18                          | 42.5                        | 14.8          | 6.83          | 40                           | 60      |
| 07-May-25             | 155.4                          | 12                | 24             | 7               | 8,112                     | 5.06                         | 3.27                          | 43.2                        | 15.5          | 6.83          | 20                           | 100     |
| 08-May-25             | 159.3                          | 11                | 21             | 7               | 6,947                     | 3.89                         | 3.29                          | 43.1                        | 15.7          | 6.79          | 40                           | 100     |
| 09-May-25             | 156.6                          | 10                | 21             | 6               | 5,968                     | 3.48                         | 3.30                          | 43.1                        | 15.6          | 6.86          | 100                          | 130     |
| 10-May-25             | 154.8                          | 11                | 24             | 6               | 5,711                     | 3.26                         | 3.33                          | 43.5                        | 15.8          | 6.92          | 40                           | 140     |
| 11-May-25             | 150.2                          | 9                 | 20             | 6               | 5,512                     | 3.70                         | 3.38                          | 43.7                        | 15.9          | 6.86          | 20                           | 40      |
| 12-May-25             | 155.8                          | 8                 | 18             | 5               | 5,188                     | 3.87                         | 3.43                          | 44.2                        | 15.8          | 6.74          | 10                           | 10      |
| 13-May-25             | 158.5                          | 9                 | 20             | 7               | 6,040                     | 4.10                         | 3.50                          | 44.5                        | 16.0          | 6.87          | 80                           | 80      |
| 14-May-25             | 149.7                          | 8                 | 19             | 6               | 6,184                     | 4.02                         | 3.56                          | 44.9                        | 16.2          | 6.84          | 590                          | 620     |
| 15-May-25             | 248.6                          | 36                | 39             | 17              | 7,459                     | 2.90                         | 3.57                          | 44.7                        | 15.8          | 6.80          | 160                          | 340     |
| 16-May-25             | 466.8                          | 90                | 35             | 27              | 5,975                     | 0.97                         | 3.53                          | 43.9                        | 14.4          | 6.98          | >24,200                      | >24,200 |
| 17-May-25             | 254.3                          | 12                | 11             | 4               | 4,043                     | 0.83                         | 3.48                          | 43.4                        | 12.5          | 6.92          | 50                           | 40      |
| 18-May-25             | 176.0                          | 9                 | 7              | 4               | 3,820                     | 1.64                         | 3.45                          | 42.9                        | 13.9          | 6.92          | 30                           | 30      |
| 19-May-25             | 171.2                          | 9                 | 8              | 4               | 4,313                     | 2.25                         | 3.44                          | 42.4                        | 14.4          | 6.92          | 40                           | 50      |
| 20-May-25             | 172.0                          | 8                 | 8              | <4              | 4,816                     | 2.72                         | 3.44                          | 42.4                        | 14.6          | 6.84          | 160                          | 170     |
| 21-May-25             | 169.1                          | 8                 | 11             | <4              | 5,767                     | 2.97                         | 3.44                          | 42.7                        | 15.2          | 6.88          | 50                           | 80      |
| 22-May-25             | 167.1                          | 8                 | 13             | 4               | 6,166                     | 2.79                         | 3.43                          | 42.8                        | 15.7          | 6.87          | 30                           | 30      |
| 23-May-25             | 161.5                          | 7                 | 18             | 4               | 5,345                     | 2.88                         | 3.44                          | 43.2                        | 15.8          | 6.86          | 20                           | 10      |
| 24-May-25             | 155.8                          | 8                 | 22             | 4               | 4,892                     | 2.83                         | 3.45                          | 43.5                        | 16.0          | 6.85          | 80                           | 290     |
| 25-May-25             | 153.8                          | 8                 | 31             | 4               | 4,507                     | 3.22                         | 3.47                          | 43.6                        | 16.0          | 6.83          | 40                           | 80      |
| 26-May-25             | 158.2                          | 8                 | 22             | 4               | 4,557                     | 3.32                         | 3.50                          | 43.6                        | 16.0          | 6.86          | 20                           | 30      |
| 27-May-25             | 161.1                          | 9                 | 23             | 4               | 5,186                     | 3.78                         | 3.55                          | 44.0                        | 16.8          | 6.83          | 990                          | 1,400   |
| 28-May-25             | 154.8                          | 10                | 24             | 4               | 5,123                     | 3.77                         | 3.57                          | 44.0                        | 16.8          | 6.78          | 260                          | 330     |
| 29-May-25             | 156.8                          | 11                | 18             | 5               | 4,985                     | 3.81                         | 3.57                          | 44.0                        | 16.7          | 6.76          | 40                           | 30      |
| 30-May-25             | 159.3                          | 10                | 17             | 4               | 4,811                     | 3.99                         | 3.61                          | 44.0                        | 16.6          | 6.71          | 10                           | 10      |
| 31-May-25             | 151.8                          | 10                | 17             | 4               | 4,206                     | 3.77                         | 3.64                          | 43.9                        | 17.0          | 6.71          | 10                           | 10      |
| Max:                  | 466.8                          |                   |                |                 |                           |                              |                               |                             |               |               |                              |         |
| Min:                  | 149.7                          |                   |                |                 |                           |                              |                               |                             |               |               |                              |         |
| Average:              | 174.3                          | 13                | 19             | 6               | 5,424                     | 3.16                         |                               |                             | 15.4          | 6.84          |                              |         |
| Total Flow:           | 5,404.4                        |                   |                |                 |                           |                              |                               |                             |               |               |                              |         |
| Geo.Mean:             |                                |                   |                |                 |                           |                              |                               |                             |               |               | 53                           | 77      |

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: June 27, 2025