

West End Water Pollution Control Centre
Final Effluent Monitoring Report
June 2024

| Licence # 2669 E RR | File # 53.1 | 24 Hour Composite | | | | | | Grab Sample | | | |
|------------------------|------------------------------------|-------------------|-----------------|---------------------------|------------------------------|-------------------------------|-----------------------------|---------------|---------------|------------------------------|--------|
| Date | Final Effluent Daily Flow ML | TSS (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-Jun-24 | 49.3 | 13 | 4 | 47.0 | 0.56 | 0.53 | 3.3 | 16.0 | 8.63 | <10 | <10 |
| 02-Jun-24 | 51.7 | 14 | 5 | 43.9 | 0.56 | 0.54 | 3.3 | 16.5 | 8.71 | <10 | <10 |
| 03-Jun-24 | 54.3 | 11 | <4 | 49.4 | 0.60 | 0.55 | 3.3 | 17.5 | 8.63 | 10 | <10 |
| 04-Jun-24 | 54.9 | 12 | <4 | 49.0 | 0.65 | 0.57 | 3.4 | 19.3 | 8.69 | <10 | 40 |
| 05-Jun-24 | 54.1 | 12 | 5 | 52.1 | 0.69 | 0.58 | 3.4 | 18.5 | 8.69 | 10 | <10 |
| 06-Jun-24 | 52.9 | 15 | 7 | 56.6 | 0.72 | 0.60 | 3.4 | 16.9 | 8.65 | 20 | 10 |
| 07-Jun-24 | 51.2 | 13 | 5 | 68.6 | 0.76 | 0.62 | 3.5 | 16.3 | 8.61 | 20 | <10 |
| 08-Jun-24 | 49.5 | 11 | 5 | 64.8 | 0.81 | 0.64 | 3.6 | 16.6 | 8.58 | 10 | 10 |
| 09-Jun-24 | 47.7 | 13 | 6 | 69.2 | 0.80 | 0.65 | 3.6 | 16.8 | 8.56 | 30 | 20 |
| 10-Jun-24 | 45.8 | 14 | 5 | 68.2 | 0.81 | 0.67 | 3.6 | 17.6 | 8.55 | 20 | <10 |
| 11-Jun-24 | 45.3 | 14 | 5 | 72.0 | 0.85 | 0.68 | 3.7 | 17.6 | 8.52 | <10 | 10 |
| 12-Jun-24 | 43.7 | 10 | <4 | 76.9 | 0.91 | 0.71 | 3.8 | 17.4 | 8.48 | <10 | <10 |
| 13-Jun-24 | 42.2 | 12 | <4 | 80.2 | 0.99 | 0.73 | 4.0 | 18.3 | 8.48 | 10 | 10 |
| 14-Jun-24 | 37.5 | 12 | nr | 88.9 | 1.03 | 0.76 | 4.1 | 19.4 | 8.42 | <10 | <10 |
| 15-Jun-24 | 41.2 | 26 | 6 | 93.9 | 0.98 | 0.78 | 4.2 | 20.8 | 8.54 | 90 | 170 |
| 16-Jun-24 | 43.5 | 14 | 4 | 104.4 | 1.02 | 0.81 | 4.3 | 20.8 | 8.60 | 10 | <10 |
| 17-Jun-24 | 45.8 | 9 | 4 | 112.7 | 1.04 | 0.84 | 4.4 | 19.4 | 8.54 | 20 | 30 |
| 18-Jun-24 | 46.8 | 11 | <4 | 118.4 | 1.02 | 0.85 | 4.4 | 18.3 | 8.57 | 10 | 20 |
| 19-Jun-24 | 51.3 | 8 | 4 | 128.8 | 1.05 | 0.86 | 4.4 | 17.6 | 8.51 | 20 | 10 |
| 20-Jun-24 | 50.8 | 10 | 4 | 106.2 | 0.99 | 0.88 | 4.5 | 18.5 | na | <10 | 20 |
| 21-Jun-24 | 49.0 | 9 | 5 | 95.6 | 0.97 | 0.89 | 4.6 | 20.7 | 8.77 | 10 | <10 |
| 22-Jun-24 | 47.2 | 8 | 4 | 86.8 | 1.00 | 0.91 | 4.6 | 21.6 | 8.87 | <10 | 30 |
| 23-Jun-24 | 43.5 | 9 | 4 | 69.2 | 1.02 | 0.93 | 4.7 | 20.9 | 8.79 | 20 | 10 |
| 24-Jun-24 | 41.2 | 10 | 4 | 42.4 | 0.99 | 0.94 | 4.7 | 20.9 | 8.93 | 10 | 10 |
| 25-Jun-24 | 39.2 | 10 | <4 | 33.6 | 1.01 | 0.96 | 4.7 | 21.3 | 8.92 | 30 | 10 |
| 26-Jun-24 | 37.7 | 9 | nr | 18.2 | 0.92 | 0.97 | 4.7 | 20.2 | 8.94 | 10 | <10 |
| 27-Jun-24 | 37.5 | 8 | 4 | 10.5 | 0.86 | 0.98 | 4.7 | 20.4 | 9.04 | 40 | <10 |
| 28-Jun-24 | 36.9 | 9 | 4 | 7.0 | 0.90 | 0.99 | 4.7 | 19.6 | 9.00 | 40 | 100 |
| 29-Jun-24 | 36.2 | 8 | <4 | 3.9 | 0.82 | 1.00 | 4.7 | 17.6 | 9.04 | <10 | 40 |
| 30-Jun-24 | 36.6 | 9 | 4 | 3.2 | 0.71 | 1.00 | 4.7 | 18.3 | 9.17 | 20 | 10 |
| Max: | 54.9 | | | | | | | | | | |
| Min: | 36.2 | | | | | | | | | | |
| Average: | 45.5 | 11 | 4 | 64.1 | 0.87 | | | 18.7 | 8.70 | | |
| Total Flow: | 1,364.5 | | | | | | | | | | |
| Geo.Mean: | | | | | | | | | | 12 | 11 |

Notes:

(1) nr - not recorded or no result; na - not analyzed; ns - no sample; o/l - offline; im - instrument maintenance

(2) Where value is expressed as less than (<), the value is halved and used in the calculations

(3) * = 30 day rolling average

Report Date: July 30, 2024