

**City of Winnipeg
Water and Waste Department
West End Water Pollution Control Centre Monitoring Data**

August 2021

| Licence # 2669 E RR | File # 53.10 | Final Effluent 24 Hour Composite | | | | | | Final Effluent Grab Sample | | | | | |
|------------------------|-----------------|-------------------------------------|------------------------------------|------------|--------------|----------------|---------------------|-------------------------------|-------------------|------------|-----------|-------------------|--------|
| | | Date | Final Effluent Daily Flow ML | TSS | cBOD5 | Ammonia | Ortho Phosphorus | Total Phosphorus | Total Nitrogen | Temp. | pH | Fecal Coliform | E.Coli |
| | | | | (mg/L) | (mg/L) | (kg NH3-N/day) | (mg/L-P) | (mg/L-P)* | (mg/L-N)* | (°C) | (units) | MPN/100 mL | |
| 1-Aug-21 | 13.1 | 35 | 6 | <0.1 | 0.565 | 1.1 | 2.6 | 21.1 | 9.52 | 40 | 40 | | |
| 2-Aug-21 | 13.1 | 29 | 5 | 0.7 | 0.519 | 1.1 | 2.6 | 22.0 | 9.71 | 20 | 30 | | |
| 3-Aug-21 | 13.1 | 27 | nr | 1.6 | 0.507 | 1.1 | 2.6 | 22.9 | 9.64 | 20 | <10 | | |
| 4-Aug-21 | 13.1 | 28 | 4 | 5.4 | 0.639 | 1.0 | 2.6 | 23.4 | 9.60 | <10 | 10 | | |
| 5-Aug-21 | 13.2 | 32 | 5 | 0.6 | 0.633 | 1.0 | 2.6 | 22.2 | 9.46 | 50 | 60 | | |
| 6-Aug-21 | 13.2 | 32 | 5 | 1.9 | 0.690 | 1.0 | 2.6 | 20.5 | 9.39 | 20 | 70 | | |
| 7-Aug-21 | 13.2 | 36 | 6 | 4.5 | 0.646 | 1.0 | 2.7 | 21.5 | 9.47 | 20 | 40 | | |
| 8-Aug-21 | 14.3 | 44 | 7 | 1.7 | 0.551 | 1.0 | 2.7 | 22.1 | 9.57 | 60 | 120 | | |
| 9-Aug-21 | 14.6 | 43 | 6 | 0.3 | 0.577 | 1.0 | 2.7 | 22.8 | 9.57 | <10 | <10 | | |
| 10-Aug-21 | 15.0 | 43 | 17 | <0.1 | 0.572 | 1.0 | 2.8 | 21.4 | 9.41 | 1410 | 1660 | | |
| 11-Aug-21 | 15.0 | 47 | 5 | 23.0 | 0.540 | 1.0 | 2.8 | 20.6 | 9.40 | 590 | 710 | | |
| 12-Aug-21 | 15.1 | 55 | 6 | 2.0 | 0.330 | 1.0 | 2.9 | 19.2 | 9.49 | 320 | 330 | | |
| 13-Aug-21 | 15.1 | 57 | 6 | 1.2 | 0.440 | 1.0 | 3.0 | 18.6 | 9.53 | 230 | 190 | | |
| 14-Aug-21 | 15.1 | 52 | 7 | 1.5 | 0.350 | 1.0 | 3.0 | 18.9 | 9.67 | 120 | <10 | | |
| 15-Aug-21 | 15.0 | 43 | 6 | 4.9 | 0.330 | 1.0 | 3.1 | 20.3 | 9.74 | 90 | 100 | | |
| 16-Aug-21 | 15.0 | 51 | 5 | 1.5 | 0.360 | 1.0 | 3.1 | 22.1 | 9.75 | <10 | 10 | | |
| 17-Aug-21 | 15.0 | 46 | 5 | 12.9 | 0.470 | 1.0 | 3.2 | 23.1 | 9.66 | 30 | 50 | | |
| 18-Aug-21 | 14.8 | 44 | 6 | 1.0 | 0.390 | 0.9 | 3.2 | 22.3 | 9.67 | 30 | 30 | | |
| 19-Aug-21 | 16.8 | 37 | 6 | 2.0 | 0.580 | 0.9 | 3.2 | 22.2 | 9.65 | 10 | 20 | | |
| 20-Aug-21 | 19.8 | 39 | 5 | 1.4 | 0.360 | 0.9 | 3.2 | 18.6 | 9.66 | 1360 | 10 | | |
| 21-Aug-21 | 22.2 | 51 | 5 | 0.7 | 0.436 | 0.9 | 3.2 | 18.6 | 9.61 | 960 | 990 | | |
| 22-Aug-21 | 23.3 | 46 | 6 | 1.4 | 0.376 | 0.9 | 3.2 | 18.4 | 9.63 | 840 | 790 | | |
| 23-Aug-21 | 24.1 | 45 | 4 | 0.7 | 0.406 | 0.9 | 3.2 | 18.0 | 9.48 | 620 | 470 | | |
| 24-Aug-21 | 24.1 | 29 | 4 | 1.4 | 0.380 | 0.9 | 3.2 | 17.7 | 9.47 | 530 | 530 | | |
| 25-Aug-21 | 24.0 | 29 | 6 | 0.1 | 0.369 | 0.9 | 3.2 | 17.2 | 9.47 | 310 | 360 | | |
| 26-Aug-21 | 24.0 | 29 | 6 | 1.2 | 0.335 | 0.9 | 3.2 | 17.5 | 9.52 | 250 | 170 | | |
| 27-Aug-21 | 24.3 | 41 | 5 | 0.5 | 0.353 | 0.9 | 3.2 | 17.3 | 9.61 | 190 | 70 | | |
| 28-Aug-21 | 24.2 | 41 | 5 | 0.1 | 0.368 | 0.8 | 3.2 | 17.4 | 9.52 | 300 | 280 | | |
| 29-Aug-21 | 24.0 | 27 | 6 | 0.3 | 0.407 | 0.8 | 3.2 | 17.9 | 9.53 | 200 | 300 | | |
| 30-Aug-21 | 23.7 | 28 | 5 | 0.3 | 0.430 | 0.8 | 3.2 | 17.9 | 9.53 | 280 | 250 | | |
| 31-Aug-21 | 21.3 | 26 | 5 | 18.9 | 0.421 | 0.8 | 3.2 | 19.9 | 9.68 | 160 | 170 | | |
| Max: | 24.3 | | | | | | | | | | | | |
| Min: | 13.1 | | | | | | | | | | | | |
| Average: | 17.8 | 39 | 6 | 3.0 | 0.462 | | | 20.1 | 9.57 | | | | |
| Total Flow: | 551.7 | | | | | | | | | | | | |
| Geo.Mean: | | | | | | | | | | 102 | 88 | | |

Notes:

- (1) nr - not recorded or no result; na - not analyzed; ns - no sample
- (2) Where value is expressed as less than (<), the value is halved and used in the calculations
- (3) * = 30 day rolling average