

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

**February 2020**

| Licence #<br>2669 E RR | File #<br>53.10 | Final Effluent<br>24 Hour Composite |                              |             |              |                |                     | Final Effluent<br>Grab Sample |                   |               |               |                   |        |
|------------------------|-----------------|-------------------------------------|------------------------------|-------------|--------------|----------------|---------------------|-------------------------------|-------------------|---------------|---------------|-------------------|--------|
|                        |                 | Date                                | Final Effluent<br>Daily Flow | TSS         | cBOD5        | Ammonia        | Ortho<br>Phosphorus | Total Phosphorus              | Total<br>Nitrogen | Temp.         | pH            | Fecal<br>Coliform | E.Coli |
|                        |                 |                                     | ML                           | (mg/L)      | (mg/L)       | (kg NH3-N/day) | (mg/L-P)            | (mg/L-P)*                     | (mg/L-N)*         | (°C)          | (units)       | MPN/100 mL        |        |
| 1-Feb-20               | 17.5            | <3                                  | <4                           | 22.2        | 0.818        | 0.8            | 7.0                 | 3.4                           | 7.45              | <10           | <10           |                   |        |
| 2-Feb-20               | 17.6            | 3                                   | <4                           | 23.1        | 0.736        | 0.9            | 7.0                 | 4.5                           | 7.17              | <10           | 10            |                   |        |
| 3-Feb-20               | 17.6            | 3                                   | <4                           | 23.2        | 0.792        | 0.9            | 7.0                 | 3.6                           | 7.20              | <10           | <10           |                   |        |
| 4-Feb-20               | 17.6            | <3                                  | <4                           | 22.9        | 0.787        | 0.9            | 7.0                 | 3.7                           | 7.18              | <10           | 10            |                   |        |
| 5-Feb-20               | 17.6            | <3                                  | <4                           | 22.5        | 0.755        | 0.9            | 6.9                 | 3.8                           | 7.20              | <10           | 10            |                   |        |
| 6-Feb-20               | 17.5            | 3                                   | <4                           | 21.7        | 0.750        | 0.9            | 7.0                 | 3.8                           | 7.17              | <10           | <10           |                   |        |
| 7-Feb-20               | 17.5            | <3                                  | <4                           | 21.4        | 0.798        | 0.9            | 7.0                 | 2.8                           | 7.20              | <10           | <10           |                   |        |
| 8-Feb-20               | 17.5            | 4                                   | <4                           | 22.1        | 0.810        | 0.9            | 7.0                 | 3.5                           | 7.26              | <10           | <10           |                   |        |
| 9-Feb-20               | 17.5            | 4                                   | <4                           | 23.1        | 0.721        | 0.9            | 6.9                 | 4.2                           | 7.27              | <10           | 10            |                   |        |
| 10-Feb-20              | 17.5            | 4                                   | <4                           | 18.6        | 0.742        | 0.9            | 6.9                 | 3.9                           | 7.16              | <10           | 10            |                   |        |
| 11-Feb-20              | 17.4            | 4                                   | <4                           | 19.7        | 0.839        | 0.9            | 6.9                 | 3.4                           | 7.17              | 10            | <10           |                   |        |
| 12-Feb-20              | 17.4            | 4                                   | <4                           | 22.1        | 0.851        | 0.9            | 6.8                 | 2.7                           | 7.18              | <10           | 10            |                   |        |
| 13-Feb-20              | 17.2            | 4                                   | <4                           | 21.8        | 0.728        | 0.9            | 6.8                 | 3.6                           | 7.20              | <10           | <10           |                   |        |
| 14-Feb-20              | 17.3            | <3                                  | 9                            | 23.4        | 0.754        | 0.9            | 6.8                 | 2.2                           | 7.19              | <10           | <10           |                   |        |
| 15-Feb-20              | 17.3            | 4                                   | <4                           | 21.3        | 0.788        | 0.9            | 6.8                 | 2.2                           | 7.19              | <10           | <10           |                   |        |
| 16-Feb-20              | 17.4            | 5                                   | <4                           | 21.4        | 0.773        | 0.9            | 6.8                 | 3.2                           | 7.17              | 10            | <10           |                   |        |
| 17-Feb-20              | 17.4            | 4                                   | <4                           | 19.8        | 0.803        | 0.9            | 6.8                 | 3.3                           | 7.15              | <10           | <10           |                   |        |
| 18-Feb-20              | 17.3            | 3                                   | <4                           | 27.5        | 0.804        | 0.9            | 6.8                 | 4.0                           | 7.24              | <10           | <10           |                   |        |
| 19-Feb-20              | 17.3            | 6                                   | <4                           | 23.0        | 0.740        | 0.9            | 6.8                 | 2.3                           | 7.26              | <10           | <10           |                   |        |
| 20-Feb-20              | 17.4            | 4                                   | <4                           | 21.1        | 0.744        | 0.9            | 6.7                 | 1.4                           | 7.32              | <10           | <10           |                   |        |
| 21-Feb-20              | 17.4            | 4                                   | <4                           | 20.7        | 0.687        | 0.9            | 6.7                 | 4.2                           | 7.21              | <10           | <10           |                   |        |
| 22-Feb-20              | 17.4            | <3                                  | <4                           | 20.5        | 0.694        | 0.9            | 6.7                 | 3.0                           | 7.21              | <10           | <10           |                   |        |
| 23-Feb-20              | 17.4            | 4                                   | 5                            | 25.8        | 0.801        | 0.9            | 6.7                 | 5.2                           | 7.12              | <10           | <10           |                   |        |
| 24-Feb-20              | 17.4            | 4                                   | <4                           | 21.2        | 0.764        | 0.9            | 6.6                 | 4.9                           | 7.24              | <10           | 10            |                   |        |
| 25-Feb-20              | 17.4            | 5                                   | 4                            | 25.1        | 0.720        | 0.9            | 6.6                 | 3.4                           | 7.23              | <10           | <10           |                   |        |
| 26-Feb-20              | 17.4            | 4                                   | <4                           | 20.9        | 0.716        | 0.9            | 6.6                 | 2.1                           | 7.21              | <10           | <10           |                   |        |
| 27-Feb-20              | 17.3            | 4                                   | 5                            | 18.2        | 0.757        | 0.9            | 6.6                 | 5.6                           | 7.26              | <10           | 10            |                   |        |
| 28-Feb-20              | 17.3            | 5                                   | <4                           | 19.4        | 0.737        | 0.9            | 6.6                 | 1.9                           | 7.30              | <10           | 20            |                   |        |
| 29-Feb-20              | 17.3            | 4                                   | <4                           | 24.4        | 0.680        | 0.9            | 6.5                 | 6.5                           | 7.16              | <10           | <10           |                   |        |
| <b>Max:</b>            | 17.6            |                                     |                              |             |              |                |                     |                               |                   |               |               |                   |        |
| <b>Min:</b>            | 17.2            |                                     |                              |             |              |                |                     |                               |                   |               |               |                   |        |
| <b>Average:</b>        | <b>17.4</b>     | <b>4</b>                            | <b>&lt;4</b>                 | <b>22.0</b> | <b>0.762</b> |                |                     | <b>3.5</b>                    | <b>7.22</b>       |               |               |                   |        |
| <b>Total Flow:</b>     | <b>505.1</b>    |                                     |                              |             |              |                |                     |                               |                   |               |               |                   |        |
| <b>Geo.Mean:</b>       |                 |                                     |                              |             |              |                |                     |                               |                   | <b>&lt;10</b> | <b>&lt;10</b> |                   |        |

**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