



West End Water Pollution Control Centre Monitoring Data  
November 01, 2022 to November 30, 2022

| Licence #<br>2669 E RR | File #<br>53.1 | Final Effluent<br>24 Hour Composite |          |                |                  |                  |                | Final Effluent<br>Grab Sample |             |                |           |
|------------------------|----------------|-------------------------------------|----------|----------------|------------------|------------------|----------------|-------------------------------|-------------|----------------|-----------|
|                        |                | 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     |           |
| 01-Nov-22              | 23.0           | 46                                  | 9        | 8.5            | 0.12             | 0.48             | 2.8            | 6.9                           | 9.12        | 190            | 40        |
| 02-Nov-22              | 22.6           | 40                                  | 8        | 8.3            | 0.14             | 0.48             | 2.9            | 8.1                           | 9.10        | 500            | 310       |
| 03-Nov-22              | 22.4           | 54                                  | 7        | 7.3            | 0.12             | 0.48             | 2.9            | 8.1                           | 9.02        | 270            | 200       |
| 04-Nov-22              | 23.1           | 64                                  | 8        | 9.7            | 0.13             | 0.48             | 3.0            | 5.8                           | 9.01        | 250            | 340       |
| 05-Nov-22              | 21.6           | 56                                  | 7        | 9.7            | 0.20             | 0.48             | 3.0            | 3.6                           | 8.99        | 370            | 230       |
| 06-Nov-22              | 21.9           | 72                                  | 7        | 10.5           | 0.13             | 0.49             | 3.1            | 3.4                           | 8.98        | 300            | 190       |
| 07-Nov-22              | 21.7           | 54                                  | 6        | 11.8           | 0.18             | 0.49             | 3.2            | 4.1                           | 8.98        | 390            | 210       |
| 08-Nov-22              | 21.4           | 66                                  | 6        | 12.7           | 0.20             | 0.49             | 3.3            | 3.7                           | 8.87        | 350            | 360       |
| 09-Nov-22              | 20.9           | 66                                  | 6        | 13.0           | 0.22             | 0.49             | 3.4            | 3.1                           | 8.82        | 260            | 170       |
| 10-Nov-22              | 21.6           | 66                                  | 9        | 16.9           | 0.23             | 0.49             | 3.5            | 3.1                           | 8.85        | 260            | 290       |
| 11-Nov-22              | 21.7           | 42                                  | 8        | 15.5           | 0.25             | 0.50             | 3.5            | 1.6                           | 8.89        | 140            | 130       |
| 12-Nov-22              | 21.6           | 35                                  | 7        | 15.4           | 0.25             | 0.50             | 3.6            | 1.3                           | 8.94        | 30             | 20        |
| 13-Nov-22              | 21.6           | 20                                  | 7        | 17.4           | 0.25             | 0.50             | 3.7            | 1.5                           | 8.89        | 10             | 20        |
| 14-Nov-22              | 21.5           | 14                                  | 7        | 18.6           | 0.29             | 0.51             | 3.8            | 3.7                           | 8.81        | 10             | 10        |
| 15-Nov-22              | 21.5           | 24                                  | 6        | 21.3           | 0.69             | 0.51             | 3.9            | 2.4                           | 8.85        | 10             | <10       |
| 16-Nov-22              | 21.4           | 14                                  | 6        | 22.3           | 0.33             | 0.52             | 3.9            | 2.1                           | 8.81        | 10             | 20        |
| 17-Nov-22              | 21.2           | 23                                  | 5        | 25.7           | 0.35             | 0.52             | 4.0            | 3.0                           | 8.75        | 20             | 20        |
| 18-Nov-22              | 21.0           | 34                                  | 6        | 25.4           | 0.34             | 0.53             | 4.1            | 2.6                           | 8.85        | <10            | <10       |
| 19-Nov-22              | 20.9           | 16                                  | 6        | 32.4           | 0.35             | 0.53             | 4.2            | 1.7                           | 8.81        | 30             | <10       |
| 20-Nov-22              | 20.8           | 14                                  | 5        | 30.4           | 0.67             | 0.55             | 4.3            | 1.7                           | 8.77        | <10            | 30        |
| 21-Nov-22              | 20.8           | 18                                  | 5        | 30.4           | 0.38             | 0.55             | 4.4            | 3.1                           | 8.74        | <10            | <10       |
| 22-Nov-22              | 20.7           | 16                                  | 5        | 31.3           | 0.39             | 0.55             | 4.5            | 2.7                           | 8.68        | 10             | <10       |
| 23-Nov-22              | 20.5           | 10                                  | 6        | 31.4           | 0.41             | 0.56             | 4.6            | 2.8                           | 8.64        | <10            | <10       |
| 24-Nov-22              | 20.4           | 16                                  | 9        | 33.5           | 0.45             | 0.56             | 4.6            | 3.2                           | 8.62        | <10            | <10       |
| 25-Nov-22              | 20.3           | 15                                  | 4        | 34.1           | 0.47             | 0.57             | 4.7            | 2.4                           | 8.60        | 10             | <10       |
| 26-Nov-22              | 20.2           | 19                                  | 6        | 39.4           | 0.44             | 0.57             | 4.8            | 2.1                           | 8.61        | <10            | <10       |
| 27-Nov-22              | 20.2           | 12                                  | 5        | 37.4           | 0.58             | 0.58             | 4.8            | 2.0                           | 8.59        | <10            | <10       |
| 28-Nov-22              | 20.2           | 11                                  | 5        | 35.1           | 0.46             | 0.58             | 4.9            | 2.7                           | 8.51        | <10            | 10        |
| 29-Nov-22              | 19.9           | 13                                  | <4       | 35.2           | 0.47             | 0.59             | 5.0            | 2.4                           | 8.53        | 20             | <10       |
| 30-Nov-22              | 19.8           | 13                                  | 4        | na             | na               | 0.60             | 5.1            | 2.7                           | 8.43        | 10             | <10       |
| <b>Max:</b>            | 23.1           |                                     |          |                |                  |                  |                |                               |             |                |           |
| <b>Min:</b>            | 19.8           |                                     |          |                |                  |                  |                |                               |             |                |           |
| <b>Average:</b>        | <b>21.2</b>    | <b>32</b>                           | <b>6</b> | <b>22.1</b>    | <b>0.33</b>      |                  |                | <b>3.3</b>                    | <b>8.80</b> |                |           |
| <b>Total Flow:</b>     | 636.4          |                                     |          |                |                  |                  |                |                               |             |                |           |
| <b>Geo.Mean:</b>       |                |                                     |          |                |                  |                  |                |                               |             | <b>32</b>      | <b>26</b> |

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

November 3-21 samples exceeded hold time for ammonia and ortho-phosphorus analysis