

| Licence # 2716RR | File # 1069.1 | Final Effluent 24 Hour Composite | | | | | | | | | | Final Effluent Grab Sample | | |
|---------------------|-------------------------------|-------------------------------------|---------|--------|---------|--------|---------|----------------|------------------|------------------|----------------|-------------------------------|---------|------------|
| | | TSS | | BOD5 | | cBOD5 | | Ammonia | Ortho Phosphorus | Total Phosphorus | Total Nitrogen | Temp. | pH | E.Coli |
| | | (mg/L) | (mg/L)* | (mg/L) | (mg/L)* | (mg/L) | (mg/L)* | (kg NH3-N/day) | (mg/L-P) | (mg/L-P)* | (mg/L-N)* | (°C) | (units) | MPN/100 mL |
| Date | Raw Sewage Daily Flow ML** | | | | | | | | | | | | | |
| 1-Jun-22 | 204.8 | 30 | 19 | 25.0 | 21 | 19.0 | 12.0 | 1864 | 1.0 | 2.1 | 24.0 | 11.8 | 7.48 | (>24,200) |
| 2-Jun-22 | 140.9 | 9 | 18 | 15.0 | 21 | 7.0 | 12.0 | 1676 | 1.2 | 2.0 | 23.9 | 12.0 | 7.35 | (780) |
| 3-Jun-22 | 117.1 | 6 | 18 | 11.0 | 20 | 4.0 | 12.0 | 1510 | 1.2 | 2.0 | 23.8 | 12.4 | 7.17 | (30) |
| 4-Jun-22 | 103.9 | 5 | 18 | 15.0 | 20 | 5.0 | 12.0 | 1569 | 1.3 | 2.0 | 23.6 | 13.0 | 7.55 | (30) |
| 5-Jun-22 | 96.8 | 7 | 18 | 21.0 | 20 | 5.0 | 12.0 | 1481 | 1.4 | 2.0 | 23.4 | 12.9 | 7.49 | <10 |
| 6-Jun-22 | 91.9 | 8 | 18 | 20.0 | 20 | 5.0 | 12.0 | 1590 | 1.4 | 2.0 | 23.2 | 13.2 | 7.03 | 80 |
| 7-Jun-22 | 85.6 | 8 | 17 | 18.0 | 20 | 5.0 | 12.0 | 1455 | 1.5 | 2.0 | 23.1 | 13.4 | 7.08 | 10 |
| 8-Jun-22 | 81.6 | 5 | 16 | 22.0 | 20 | 4.0 | 11.0 | 1477 | 1.6 | 1.9 | 23.2 | 13.6 | 7.03 | 10 |
| 9-Jun-22 | 78.1 | 5 | 16 | 21.0 | 20 | 4.0 | 10.0 | 1359 | 1.7 | 2.0 | 23.5 | 13.8 | 6.99 | 10 |
| 10-Jun-22 | 75.2 | 6 | 15 | 22.0 | 20 | 4.0 | 10.0 | 1354 | 1.7 | 2.0 | 23.6 | 14.3 | 7.00 | <10 |
| 11-Jun-22 | 71.8 | 6 | 15 | 22.0 | 20 | 5.0 | 10.0 | 1235 | 1.6 | 1.9 | 23.5 | 14.4 | 7.08 | 40 |
| 12-Jun-22 | 108.2 | 12 | 15 | 32.0 | 20 | 10.0 | 10.0 | 1623 | 1.5 | 1.9 | 23.5 | 14.3 | 7.28 | (<10) |
| 13-Jun-22 | 92.4 | 4 | 15 | 13.0 | 20 | 4.0 | 10.0 | 1173 | 1.3 | 1.9 | 23.2 | 14.7 | 6.96 | 40 |
| 14-Jun-22 | 123.3 | 11 | 15 | 18.0 | 21 | 10.0 | 10.0 | 1553 | 1.3 | 1.9 | 22.8 | 14.4 | 7.02 | (<10) |
| 15-Jun-22 | 109.1 | 4 | 15 | 13.0 | 20 | 4.0 | 10.0 | 1221 | 1.2 | 1.9 | 22.4 | 14.7 | 7.07 | (50) |
| 16-Jun-22 | 123.9 | 4 | 14 | 15.0 | 20 | <4 | 10.0 | 1326 | 1.6 | 1.9 | 22.2 | 14.1 | 7.08 | (40) |
| 17-Jun-22 | 96.3 | 7 | 14 | 13.0 | 20 | na | 10.0 | 1137 | 1.6 | 1.9 | 22.0 | 14.5 | 7.03 | 30 |
| 18-Jun-22 | 91.6 | 7 | 13 | na | 20 | na | 9.0 | 1200 | 1.4 | 1.9 | 21.9 | 14.4 | 7.28 | <10 |
| 19-Jun-22 | 88.6 | 6 | 12 | 19.0 | 20 | 4.0 | 9.0 | 1010 | 1.5 | 1.9 | 22.0 | 15.1 | 7.31 | 10 |
| 20-Jun-22 | 83.0 | 4 | 11 | 12.0 | 19 | <4 | 8.0 | 1063 | 1.6 | 1.9 | 22.0 | 15.6 | 6.92 | 10 |
| 21-Jun-22 | 87.9 | 4 | 11 | 13.0 | 19 | <4 | 8.0 | 1143 | 1.7 | 1.8 | 21.9 | 15.6 | 6.86 | 2490 |
| 22-Jun-22 | 83.6 | <3 | 11 | 14.0 | 19 | <4 | 7.0 | 1070 | 1.5 | 1.8 | 21.7 | 16.0 | 6.93 | 10 |
| 23-Jun-22 | 72.9 | <3 | 11 | 14.0 | 19 | <4 | 7.0 | 970 | 2.1 | 1.8 | 21.5 | 16.0 | 6.85 | 40 |
| 24-Jun-22 | 90.9 | 7 | 11 | 18.0 | 19 | 5.0 | 7.0 | 1264 | 2.0 | 1.8 | 21.3 | 15.9 | 6.83 | <10 |
| 25-Jun-22 | 99.5 | 5 | 10 | 12.0 | 19 | <4 | 7.0 | 966 | 1.6 | 1.8 | 20.9 | 15.9 | 7.31 | (20) |
| 26-Jun-22 | 84.5 | 4 | 10 | 11.0 | 19 | <4 | 7.0 | 1064 | 2.1 | 1.8 | 20.6 | 15.3 | 7.07 | <10 |
| 27-Jun-22 | 77.5 | 3 | 10 | 12.0 | 19 | <4 | 7.0 | 845 | 1.8 | 1.8 | 20.2 | 16.0 | 6.94 | 10 |
| 28-Jun-22 | 73.3 | <3 | 9 | 9.0 | 18 | <4 | 6.0 | 842 | 1.6 | 1.8 | 20.0 | 16.0 | 6.93 | <10 |
| 29-Jun-22 | 69.2 | 4 | 7 | 11.0 | 17 | <4 | 5.0 | 720 | 1.8 | 1.8 | 19.9 | 15.7 | 6.80 | <10 |
| 30-Jun-22 | 66.6 | 4 | 6 | 11.0 | 16 | <4 | 5.0 | 719 | 1.7 | 1.8 | 20.1 | 16.0 | 6.72 | <10 |
| Max | 204.8 | | | | | | | | | | | | | |
| Min | 66.58 | | | | | | | | | | | | | |
| Average | 95.66 | 6 | | 16 | | 5 | | 1249 | 1.55 | | | 14.5 | 7.08 | |
| Total Flow | 2869.84 | | | | | | | | | | | | | |
| Geo.Mean | | | | | | | | | | | | | | 14 |

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/I - offline; im - instrument maintenance
- (3) Where value is expressed as less than (<), the value is halved and used in the calculations
- (4) * = 30 day rolling average

- (5)** Flow, highlighted in bold, in excess of 98.6 ML/D per clause 27 of Licence 2716RR
- (6) Bracketed Coliform results not used in the Geometric Mean calculation
- (7) Raw wastewater flows in excess of 100 ML/D will by-pass the secondary process