




City of Cornelia, Georgia WPCP Summary DMR Data Sheet 2019 (pg 1 of 2)

|  | Monthly Avg Flow, MGD | Max Wkly Flow, MGD | Inf BOD Kg/d Month | Inf BOD Kg/d Week | Inf BOD mg/l Month | Inf BOD mg/l Week | fecals/mo #/100ML | fecals/wk #/100ML |
|--|--------------------------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| January | 2.712 | 2.987 | 3285 | 3762 | 287 | 327 | 3 | 4 |
| February | 2.608 | 3.325 | 3069 | 3162 | 272 | 299 | 2 | 2 |
| March | 2.664 | 3.100 | 3114 | 3142 | 278 | 291 | 2 | 3 |
| April | 2.461 | 2.628 | 3171 | 3454 | 295 | 330 | 3 | 4 |
| May | 2.362 | 2.489 | 3169 | 3488 | 308 | 333 | 5 | 10 |
| June | 2.461 | 2.592 | 3179 | 3322 | 300 | 348 | 4 | 7 |
| July | 2.539 | 2.632 | 3035 | 3838 | 271 | 325 | 3 | 5 |
| August | 2.608 | 2.841 | 3386 | 3733 | 280 | 299 | 2 | 2 |
| September | 2.544 | 2.581 | 3209 | 3541 | 271 | 298 | 5 | 15 |
| October | 2.513 | 2.587 | 3217 | 3534 | 273 | 304 | 2 | 4 |
| November | 2.518 | 2.694 | 2569 | 2934 | 233 | 248 | 2 | 4 |
| December | 2.667 | 2.766 | 2725 | 3208 | 236 | 261 | 2 | 2 |
| Avg's: | 2.555 | 2.769 | 3094 | 3427 | 275 | 305 | 3 | 5 |
| NPDES Permit | 3.0MGD | 3.75MGD | R.O. | R.O. | R.O. | R.O. | 400 | 200 |
|  | Tot. Res Cl ₂ , mg/l, Max | Minimum D.O., mg/l | Eff BOD, Kg/d Month | Eff BOD, Kg/d Week | Eff BOD, mg/l Month | Eff BOD, mg/l Week | Eff pH, Minimum | Eff pH, Maximum |
| January | BDL | 9.4 | 15.9 | 17.6 | 1.4 | 1.5 | 7.2 | 7.9 |
| February | BDL | 9.6 | 18.0 | 18.5 | 1.6 | 1.7 | 7.2 | 7.9 |
| March | BDL | 7.9 | 17.2 | 19.7 | 1.5 | 1.8 | 7.1 | 7.9 |
| April | BDL | 7.2 | 15.6 | 18.1 | 1.5 | 1.7 | 7.4 | 7.9 |
| May | BDL | 7.6 | 14.3 | 15.3 | 1.4 | 1.5 | 7.2 | 7.9 |
| June | BDL | 6.7 | 15.0 | 16.0 | 1.4 | 1.7 | 7.3 | 8.1 |
| July | BDL | 6.5 | 12.2 | 13.6 | 1.1 | 1.2 | 7.4 | 8.0 |
| August | BDL | 7.9 | 12.2 | 14.6 | 1.0 | 1.2 | 6.9 | 8.1 |
| September | BDL | 7.2 | 13.4 | 14.8 | 1.1 | 1.2 | 7.0 | 8.2 |
| October | BDL | 6.6 | 14.8 | 17.1 | 1.3 | 1.5 | 6.9 | 8.5 |
| November | BDL | 6.1 | 13.8 | 16.2 | 1.3 | 1.6 | 7.0 | 8.4 |
| December | BDL | 7.2 | 15.2 | 20.0 | 1.5 | 2.8 | 7.3 | 8.0 |
| Avg's: | BDL | 7.5 | 14.8 | 16.8 | 1.3 | 1.6 | 7.2 | 8.1 |
| NPDES Permit | 0.013 | 6.0 | 284 | 355 | 25 | 37.5 | 6 | 8.5 |
|  | Inf TSS, Kg/d Month | Inf TSS, Kg/d Week | Inf TSS, mg/l Month | Inf TSS, mg/l Week | Eff TSS, Kg/d Month | Eff TSS, Kg/d Week | Eff TSS, mg/l Month | Eff TSS, mg/l Week |
| January | 1689 | 2010 | 175 | 220 | 37.0 | 39.9 | 3.4 | 3.6 |
| February | 1266 | 1587 | 112 | 151 | 34.0 | 42.4 | 3.0 | 3.2 |
| March | 1918 | 2631 | 212 | 401 | 33.0 | 38.9 | 3.1 | 3.5 |
| April | 1699 | 2042 | 203 | 307 | 30.0 | 34.9 | 3.0 | 3.3 |
| May | 1259 | 1456 | 139 | 175 | 51.2 | 102.1 | 5.4 | 11.3 |
| June | 1857 | 2831 | 199 | 318 | 59.4 | 93.3 | 5.9 | 10.8 |
| July | 1571 | 2016 | 182 | 304 | 42.9 | 65.7 | 4.0 | 5.7 |
| August | 1747 | 2200 | 198 | 317 | 24.2 | 29.6 | 2.2 | 2.4 |
| September | 1561 | 1762 | 189 | 223 | 39.5 | 50.9 | 3.6 | 4.2 |
| October | 1565 | 1848 | 154 | 227 | 40.7 | 53.8 | 3.6 | 4.4 |
| November | 1463 | 1901 | 177 | 256 | 50.5 | 62.8 | 5.2 | 6.1 |
| December | 1539 | 1881 | 172 | 250 | 38.4 | 43.0 | 3.6 | 4.1 |
| Avg's: | 1595 | 2014 | 176 | 262 | 40.07 | 54.77 | 3.83 | 5.22 |
| NPDES Permit | R.O. | R.O. | R.O. | R.O. | 227 | 284 | 20 | 30 |

City of Cornelia, Georgia WPCP Summary DMR Data Sheet 2019 (pg 2 of 2)

| | Eff Phos, Kg/d Month | Eff Phos, Kg/d Week | Eff Phos, mg/l Month | Eff Phos, mg/l Week | Eff NH ₃ -N, Kg/d Month | Eff NH ₃ -N, Kg/d Week | Eff NH ₃ -N, mg/l Month | Eff NH ₃ -N, mg/l Week |
|---------------------|-------------------------|------------------------|---------------------------|------------------------|---------------------------------------|--------------------------------------|---------------------------------------|--|
| January | 0.10 | 0.20 | 0.01 | 0.02 | 0.10 | 0.10 | 0.01 | 0.01 |
| February | 0.10 | 0.20 | 0.01 | 0.02 | 0.10 | 0.10 | 0.01 | 0.01 |
| March | 0.30 | 1.10 | 0.03 | 0.10 | 0.10 | 0.10 | 0.01 | 0.01 |
| April | 0.50 | 0.90 | 0.05 | 0.08 | 0.10 | 0.20 | 0.01 | 0.02 |
| May | 1.60 | 4.00 | 0.17 | 0.45 | 0.20 | 0.40 | 0.02 | 0.04 |
| June | 4.90 | 7.70 | 0.47 | 0.85 | 0.40 | 0.50 | 0.04 | 0.05 |
| July | 2.80 | 4.70 | 0.27 | 0.52 | 0.30 | 0.40 | 0.03 | 0.08 |
| August | 0.50 | 1.00 | 0.04 | 0.08 | 0.10 | 0.13 | 0.01 | 0.01 |
| September | 1.90 | 3.20 | 0.16 | 0.28 | 0.20 | 0.40 | 0.02 | 0.03 |
| October | 0.50 | 1.00 | 0.05 | 0.09 | 0.10 | 0.10 | 0.01 | 0.01 |
| November | 0.20 | 0.40 | 0.02 | 0.04 | 0.10 | 0.12 | 0.01 | 0.01 |
| December | 0.20 | 0.20 | 0.01 | 0.02 | 0.10 | 0.20 | 0.01 | 0.02 |
| Avg's: | 1.13 | 2.05 | 0.11 | 0.21 | 0.16 | 0.23 | 0.02 | 0.025 |
| NPDES Permit | 12.5 | 15.6 | 1.1 | 1.7 | 17 | 21 | 1.5 | 2.3 |
| | % BOD Removal, Min | % TSS Removal, Min | Solids Tons Dry Weight | Zinc mg/l Month | Orth Phos mg/l Month | TKN mg/l Month | Total N mg/l Month | NO ₃ -NO ₂ mg/l Month |
| January | 99.5% | 97.2% | 64.7 | 0.0360 | BDL | BDL | 12.9 | 12.9 |
| February | 99.4% | 96.9% | 68.2 | 0.0414 | BDL | BDL | 13.1 | 13.1 |
| March | 99.4% | 97.6% | 72.3 | 0.0356 | BDL | BDL | 62.0 | 62.0 |
| April | 99.5% | 97.8% | 77.5 | 0.0249 | 0.015 | BDL | 14.7 | 14.7 |
| May | 99.5% | 95.4% | 35.1 | 0.0277 | 0.013 | BDL | 15.3 | 15.3 |
| June | 99.5% | 96.0% | 76.7 | 0.0208 | 0.048 | BDL | 15.5 | 15.5 |
| July | 99.5% | 96.7% | 60.3 | 0.0163 | 0.076 | BDL | 13.9 | 13.9 |
| August | 99.6% | 98.2% | 57.4 | 0.0260 | 0.024 | BDL | 12.6 | 12.6 |
| September | 99.6% | 97.0% | 46.5 | 0.0181 | 0.024 | BDL | 14.0 | 14.0 |
| October | 99.5% | 97.1% | 76.3 | 0.0179 | 0.025 | BDL | 12.9 | 12 |
| November | 99.4% | 96.0% | 39.6 | 0.0201 | BDL | 0.572 | 12.6 | 12 |
| December | 99.0% | 96.9% | 34.3 | 0.0218 | 0.012 | BDL | 13.2 | 13.2 |
| Avg's: | 99.5% | 96.9% | 59.1 | 0.0256 | 0.030 | 0.6 | 17.7 | 17.6 |
| NPDES Permit | 85% | 85% | R.O. | 0.0934 | R.O. | R.O. | R.O. | R.O. |

Total Tons 708.8

NPDES REPORT ONLY = R.O.

**NPDES Permit for Toxicity= 88% Survival, Growth and Reproduction for both Fathead Minnow & Water Flea
 Toxicity Testing Results= 100% Survival, Growth and Reproduction for both the Fathead Minnow & Water Flea
 DMR/QA State Certified Lab for 2019**