




|  | Monthly Avg Flow, MGD | Max Wkly Flow, MGD | Inf BOD, Kg/d, Avg | Inf BOD, Kg/d, Max | Inf BOD, mg/l, Avg | Inf BOD, mg/l, Max | Fecals, Avg | Fecals, Max |
|--|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------|-------------|
| January | 1.919 | 2.036 | 3675 | 4344 | 442 | 534 | 3 | 7 |
| February | 2.064 | 2.295 | 3740 | 4165 | 435 | 464 | 3 | 5 |
| March | 2.251 | 2.579 | 3409 | 3661 | 366 | 420 | 3 | 3 |
| April | 2.032 | 2.334 | 2728 | 3068 | 306 | 331 | 3 | 9 |
| May | 2.008 | 2.172 | 2566 | 2806 | 300 | 322 | 5 | 12 |
| June | 1.892 | 2.021 | 2821 | 3422 | 331 | 370 | 12 | 15 |
| July | 1.907 | 1.971 | 2833 | 3691 | 325 | 419 | 22 | 33 |
| August | 1.727 | 1.785 | 2453 | 2732 | 321 | 362 | 16 | 33 |
| September | 1.835 | 2.009 | 2325 | 2577 | 315 | 337 | 5 | 22 |
| October | 1.590 | 1.757 | 2299 | 2567 | 331 | 355 | 5 | 20 |
| November | 1.905 | 2.071 | 2664 | 3068 | 347 | 417 | 4 | 15 |
| December | 1.976 | 2.084 | 2041 | 2540 | 290 | 348 | 3 | 7 |
| Avg's: | 1.926 | 2.093 | 2796 | 3220 | 342 | 390 | 7 | 15 |

|  | Tot. Res Cl ₂ , mg/l, Max | Minimum D.O., mg/l | Eff BOD, Kg/d, Avg | Eff BOD, Kg/d, Max | Eff BOD, mg/l, Avg | Eff BOD, mg/l, Max | Eff pH, Minimum | Eff pH, Maximum |
|--|--------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------|-----------------|
| January | BDL | 8.9 | 18.8 | 25.0 | 2.3 | 2.8 | 6.3 | 7.8 |
| February | BDL | 8.5 | 20.0 | 24.0 | 2.3 | 2.7 | 6.7 | 7.8 |
| March | BDL | 8.7 | 14.0 | 16.7 | 1.5 | 1.9 | 7.2 | 8.0 |
| April | BDL | 8.5 | 12.9 | 15.0 | 1.5 | 1.8 | 7.0 | 8.3 |
| May | BDL | 7.1 | 15.5 | 24.6 | 1.8 | 2.9 | 6.9 | 7.9 |
| June | BDL | 7.0 | 16.6 | 24.6 | 2.1 | 3.6 | 6.0 | 7.3 |
| July | BDL | 7.3 | 14.3 | 19.0 | 1.6 | 2.1 | 6.0 | 8.0 |
| August | BDL | 7.0 | 10.8 | 12.1 | 1.4 | 1.6 | 7.4 | 7.9 |
| September | BDL | 7.1 | 15.7 | 27.0 | 2.2 | 3.8 | 7.4 | 8.0 |
| October | BDL | 7.3 | 7.8 | 14.2 | 2.0 | 2.8 | 2.8 | 7.6 |
| November | BDL | 8.3 | 12.7 | 15.2 | 1.7 | 1.9 | 7.2 | 7.7 |
| December | BDL | 8.5 | 12.3 | 14.5 | 1.7 | 2.0 | 6.6 | 7.8 |
| Avg's: | #DIV/0! | 7.9 | 14.3 | 19.3 | 1.8 | 2.5 | 6.5 | 7.8 |

|  | Inf TSS, Kg/d, Avg | Inf TSS, Kg/d, Max | Inf TSS, mg/l, Avg | Inf TSS, mg/l, Max | Eff TSS, Kg/d, Avg | Eff TSS, Kg/d, Max | Eff TSS, mg/l, Avg | Eff TSS, mg/l, Max |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| January | 1337 | 2576 | 158 | 273 | 84.0 | 131.0 | 10.0 | 14.2 |
| February | 1451 | 2232 | 167 | 250 | 285.0 | 885.0 | 27.0 | 52.0 |
| March | 1369 | 1942 | 147 | 213 | 20.3 | 26.3 | 2.2 | 2.9 |
| April | 1522 | 1986 | 171 | 223 | 14.8 | 22.5 | 1.6 | 2.4 |
| May | 1002 | 1270 | 117 | 145 | 18.8 | 31.5 | 2.2 | 3.8 |
| June | 893 | 1335 | 106 | 142 | 152.0 | 249.0 | 13.9 | 29.6 |
| July | 1457 | 2650 | 167 | 304 | 36.0 | 61.0 | 4.1 | 6.9 |
| August | 656 | 842 | 86 | 105 | 10.0 | 11.8 | 1.3 | 1.6 |
| September | 563 | 819 | 73 | 100 | 9.2 | 13.0 | 1.3 | 1.8 |
| October | 1106 | 2085 | 160 | 286 | 15.4 | 30.3 | 2.1 | 4.0 |
| November | 1101 | 1630 | 140 | 197 | 20.3 | 24.1 | 2.6 | 3.0 |
| December | 1015 | 1134 | 150 | 178 | 17.2 | 34.5 | 2.4 | 4.5 |
| Avg's: | 1123 | 1708 | 137 | 201 | 56.9 | 126.7 | 5.9 | 10.6 |

City of Cornelia, Georgia WPCP Summary DMR Data Sheet, 2011 (pg 2 of 2)

| | Eff Phos, Kg/d, Avg. | Eff Phos, Kg/d, Max. | Eff Phos, mg/l, Avg. | Eff Phos, mg/l, Max. | Eff NH ₃ -N, Avg, Kg/d | Eff NH ₃ -N, Max, Kg/d | Eff NH ₃ -N, Avg, mg/l | Eff NH ₃ -N, Max, mg/l |
|---------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| January | 9.10 | 13.80 | 1.08 | 1.40 | 2.10 | 3.90 | 0.36 | 1.00 |
| February | 7.40 | 12.40 | 0.78 | 1.20 | 20.00 | 50.00 | 3.00 | 4.30 |
| March | 7.00 | 8.90 | 0.75 | 1.00 | 1.90 | 6.60 | 0.22 | 0.77 |
| April | 5.00 | 7.20 | 0.56 | 0.70 | 0.20 | 0.30 | 0.03 | 0.04 |
| May | 7.40 | 8.60 | 0.86 | 1.00 | 1.60 | 4.90 | 0.20 | 0.60 |
| June | 7.10 | 9.40 | 0.97 | 1.40 | 0.60 | 0.70 | 0.08 | 0.11 |
| July | 8.60 | 10.70 | 0.99 | 1.20 | 0.90 | 1.60 | 0.11 | 0.21 |
| August | 5.90 | 6.80 | 0.78 | 0.90 | 0.70 | 1.70 | 0.09 | 0.22 |
| September | 5.80 | 7.70 | 0.80 | 1.10 | 0.20 | 0.40 | 0.04 | 0.05 |
| October | 2.30 | 4.80 | 0.32 | 0.70 | 0.30 | 0.50 | 0.04 | 0.09 |
| November | 1.00 | 2.30 | 0.13 | 0.30 | 0.60 | 1.40 | 0.09 | 0.24 |
| December | 0.40 | 0.50 | 0.05 | 0.10 | 1.10 | 2.00 | 0.15 | 0.28 |
| Avg's: | 5.58 | 7.76 | 0.67 | 0.92 | 2.52 | 6.17 | 0.37 | 0.66 |

| | % BOD Removal, Min | % TSS Removal, Min | ds, Sludge, Total, Dry Weight, LBS |
|---------------|-----------------------|-----------------------|---------------------------------------|
| January | 99.4% | 91.9% | 75,260 |
| February | 99.5% | 85.1% | 68,580 |
| March | 99.6% | 98.0% | 78,040 |
| April | 99.5% | 98.7% | 88,880 |
| May | 99.4% | 97.7% | 82,000 |
| June | 99.3% | 87.2% | 80,340 |
| July | 99.5% | 97.3% | 45,240 |
| August | 99.5% | 98.2% | 53,040 |
| September | 99.3% | 97.6% | 71,060 |
| October | 99.3% | 97.6% | 52,220 |
| November | 99.5% | 97.8% | 60,900 |
| December | 99.4% | 97.6% | 68,880 |
| Avg's: | 99.4% | 95.4% | 68703 824,440 |

Upgrade completed 2011 we began to use biological phosphorous removal followed by chemical precipitation for polishing