




City of Cornelia, Georgia WPCP Summary DMR Data Sheet 2017 (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	2.118	2.270	2575	2668	271	293	2	2
February	1.955	2.060	2367	2493	268	281	2	2
March	1.968	1.994	2601	2782	288	309	2	2
April	2.075	2.158	2355	2556	250	270	3	5
May	2.151	2.338	2609	3178	272	337	3	5
June	2.119	2.258	2422	2670	253	275	4	5
July	2.198	2.274	2531	3066	262	304	3	17
August	1.923	2.151	2100	2211	235	228	2	2
September	1.886	2.067	2079	2317	244	263	4	5
October	2.048	2.103	2269	2453	242	269	3	4
November	1.816	1.981	2000	2078	233	251	3	4
December	1.906	2.079	2436	2611	267	288	2	3
Avg's:	2.014	2.144	2362	2590	257	281	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	7.6	16.3	18.1	1.7	2.0	6.6	7.6
February	BDL	7.0	13.0	13.1	1.5	1.5	6.8	7.6
March	BDL	7.0	14.8	16.1	1.6	1.8	6.9	7.7
April	BDL	7.3	15.7	19.3	1.7	2.1	7.0	7.6
May	BDL	6.9	14.8	18.0	1.5	2.0	7.1	7.6
June	BDL	7.1	12.7	14.5	1.3	1.5	7.0	7.5
July	BDL	7.0	12.8	13.8	1.3	1.4	7.0	7.8
August	BDL	7.0	9.4	9.8	1.1	1.1	7.0	7.7
September	BDL	6.9	10.4	11.6	1.2	1.4	6.8	7.6
October	BDL	7.0	12.2	12.8	1.3	1.4	6.8	7.5
November	BDL	7.3	10.8	12.2	1.3	1.3	6.9	7.6
December	BDL	7.6	11.9	12.9	1.3	1.4	6.8	7.6
Avg's:	BDL	7.1	12.9	14.3	1.4	1.6	6.9	7.6
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	1592	1823	199	282	22.6	29.9	2.4	2.8
February	2049	3363	334	444	13.3	14.8	1.6	2.0
March	1487	1568	219	268	19.6	24.8	2.3	3.1
April	1708	2786	199	294	32.0	40.2	3.4	4.1
May	1999	2593	264	404	16.3	20.9	1.8	2.0
June	1761	2048	222	342	17.2	29.5	1.9	3.1
July	1512	2008	174	241	10.7	15.4	1.2	1.6
August	1600	2096	228	254	8.3	11.2	1.0	1.3
September	1316	1546	186	245	15.7	24.5	1.9	3.1
October	1270	1558	135	170	32.3	47.0	3.4	5.3
November	1299	1527	233	296	21.7	28.3	2.8	3.6
December	1284	1660	159	246	22.7	24.9	2.6	3.3
Avg's:	1573	2048	213	291	19.37	25.94	2.19	2.94
NPDES Permit	R.O.	R.O.	R.O.	R.O.	227	284	20	30

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	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	1.50	2.10	0.15	0.19	0.10	0.10	0.01	0.01
February	0.70	1.50	0.06	0.17	0.10	0.10	0.01	0.01
March	1.40	1.90	0.16	0.21	0.10	0.10	0.01	0.01
April	2.00	3.20	0.21	0.30	0.10	0.10	0.01	0.01
May	0.90	1.10	0.10	0.12	0.20	0.40	0.02	0.04
June	2.00	3.70	0.21	0.38	1.70	2.00	0.18	0.21
July	0.60	0.90	0.06	0.10	1.30	2.19	0.13	0.23
August	0.70	1.30	0.08	0.14	0.10	0.10	0.01	0.01
September	1.10	1.90	0.14	0.24	0.10	0.18	0.01	0.02
October	1.00	1.20	0.10	0.13	0.10	0.30	0.02	0.03
November	0.80	1.10	0.10	0.12	0.10	0.10	0.01	0.01
December	1.00	1.30	0.11	0.16	0.30	1.26	0.30	0.11
Avg's:	1.14	1.77	0.12	0.19	0.36	0.58	0.06	0.058
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	99.4%	98.3%	45.8	0.0123	0.188	BRL	16.0	16.0
February	99.4%	99.1%	60.4	0.0391	0.028	BRL	15.4	15.4
March	99.4%	98.4%	62.5	0.0309	0.132	1.12	19.3	18.2
April	99.3%	97.2%	55.9	BRL	0.191	BRL	15.4	15.4
May	99.4%	99.0%	60.0	0.0193	0.0243	BRL	19.6	19.6
June	99.5%	98.6%	46.5	0.017	0.163	BRL	15.8	15.8
July	99.5%	99.2%	17.7	0.0368	0.0311	BRL	16.3	16.3
August	99.6%	99.4%	54.1	0.025	0.0223	BRL	15.2	14.1
September	99.5%	98.8%	23.6	0.0284	0.046	BRL	13.9	13.9
October	99.5%	97.3%	36.8	0.0195	0.2	BRL	16.8	16.8
November	99.4%	97.8%	61.5	0.018	0.163	BRL	18.5	18.5
December	99.5%	97.9%	35.9	0.0162	0.11	BRL	13.2	13.2
Avg's:	99.45%	98.42%	46.7	0.0239	0.11	1.1	16.3	16.1
NPDES Permit	85%	85%	R.O.	0.0934	R.O.	R.O.	R.O.	R.O.

Total Tons 560.8

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 2017
Platinum Award Winner from Georgia Association of Water Professionals (GAWP) for 2017