




City of Cornelia, Georgia WPCP Summary DMR Data Sheet 2018 (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	2.025	2.257	2633	2688	290	297	2	2
February	2.379	3.116	2584	3185	250	282	2	3
March	1.929	2.139	2053	2609	239	296	2	2
April	2.173	2.451	2138	2395	225	264	2	2
May	2.241	2.322	2352	2791	232	266	3	4
June	2.292	2.826	2720	2848	258	289	4	7
July	2.186	2.362	2527	2862	254	280	3	5
August	2.330	2.433	2775	2968	281	300	3	4
September	2.239	2.370	2968	3386	289	326	2	4
October	2.212	2.307	2901	3191	277	314	3	4
November	2.349	2.839	2800	3060	257	296	2	3
December	2.647	2.907	2816	3173	266	293	2	3
Avg's:	2.250	2.527	2606	2930	260	292	3	4
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	8.8	13.7	15.0	1.5	1.7	6.8	7.6
February	BDL	7.3	16.3	20.5	1.6	1.7	6.4	7.2
March	BDL	7.3	13.1	16.0	1.6	2.1	6.8	7.6
April	BDL	6.9	11.9	12.7	1.2	1.3	6.9	8.2
May	BDL	7.3	12.9	14.3	1.3	1.4	7.1	7.9
June	BDL	7.0	13.3	14.7	1.3	1.5	7.3	8.0
July	BDL	7.0	15.9	20.0	1.6	2.0	7.3	7.9
August	BDL	7.0	15.2	23.3	1.5	2.3	7.4	8.1
September	BDL	7.1	15.8	22.8	1.5	2.2	7.3	8.0
October	BDL	7.3	13.8	16.6	1.3	1.6	7.0	8.2
November	BDL	8.1	16.7	23.1	1.5	1.8	6.5	8.5
December	BDL	9.3	18.7	25.2	1.8	2.2	7.3	8.0
Avg's:	BDL	7.5	14.8	18.7	1.5	1.8	7.0	7.9
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	1361	1893	187	328	21.1	24.0	2.5	2.9
February	1456	2330	144	243	64.5	138.5	5.9	11.5
March	1244	1333	162	206	52.6	89.4	5.9	8.3
April	1281	1770	136	195	44.6	74.3	4.5	6.6
May	1235	1490	150	210	45.6	81.3	4.8	8.8
June	1512	1919	198	248	54.5	65.2	5.4	6.5
July	1874	2948	266	349	30.7	46.4	3.3	5.2
August	1877	2345	221	331	24.9	35.8	2.6	3.5
September	1827	2388	256	459	28.4	35.1	2.9	3.8
October	1390	1727	187	271	39.2	56.4	4.0	5.4
November	1697	2012	203	321	66.3	103.7	6.2	8.0
December	1067	1359	100	125	50.4	78.7	4.7	6.7
Avg's:	1485	1960	184	274	43.57	69.05	4.39	6.43
NPDES Permit	R.O.	R.O.	R.O.	R.O.	227	284	20	30

City of Cornelia, Georgia WPCP Summary DMR Data Sheet 2018 (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	0.70	1.30	0.08	0.14	14.90	59.50	1.74	6.92
February	3.50	6.70	0.33	0.58	0.10	0.10	0.01	0.01
March	2.60	5.30	0.31	0.61	0.10	0.10	0.01	0.01
April	2.30	3.20	0.23	0.31	0.10	0.10	0.01	0.01
May	3.80	6.00	0.39	0.67	0.10	0.10	0.01	0.01
June	3.30	4.10	0.31	0.42	0.10	0.10	0.01	0.01
July	1.90	3.30	0.19	0.34	0.10	0.10	0.04	0.02
August	1.50	3.10	0.15	0.32	0.10	0.10	0.01	0.01
September	1.30	2.70	0.13	0.27	0.20	0.63	0.02	0.06
October	2.20	3.10	0.21	0.31	0.10	0.10	0.01	0.01
November	2.40	3.50	0.22	0.34	0.10	0.10	0.01	0.01
December	0.90	1.80	0.09	0.17	0.10	0.25	0.01	0.02
Avg's:	2.20	3.68	0.22	0.37	1.34	5.11	0.16	0.592
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%	98.1%	22.3	0.0255	0.123	BRL	15.8	15.8
February	99.4%	94.8%	33.9	0.0317	0.288	BRL	16.1	16.1
March	99.3%	95.7%	57.1	0.018	0.37	BRL	13.3	13.3
April	99.4%	95.1%	51.4	0.0217	0.0273	BRL	15.1	15.1
May	99.4%	95.8%	49.7	0.0184	0.756	BRL	10.4	10.4
June	99.5%	95.1%	65.9	0.0169	0.286	BRL	15.8	15.8
July	99.4%	97.8%	49.9	0.0299	0.039	BRL	14.2	14.2
August	99.4%	97.9%	39.5	0.016	0.03	BRL	18.1	18.1
September	99.5%	97.9%	54.1	0.0127	0.019	BRL	16.0	16.0
October	99.5%	96.7%	34.1	0.0265	0.034	BRL	14.8	14.8
November	99.3%	94.4%	42.0	0.0232	0.112	BRL	19.2	19.2
December	99.3%	94.8%	20.9	0.0344	0.162	BRL	8.0	7.96
Avg's:	99.41%	96.18%	43.4	0.0229	0.19	#DIV/0!	14.7	14.7
NPDES Permit	85%	85%	R.O.	0.0934	R.O.	R.O.	R.O.	R.O.

Total Tons 520.8

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 2018