


City of Cornelia, Georgia WPCP Summary DMR Data Sheet								2021		(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	2.710	2.823	3043	3418	288	324	2	2			
February	2.778	2.899	2828	2890	261	269	2	2			
March	2.865	2.924	2733	2950	248	253	2	3			
April	2.471	2.802	2463	2678	230	253	2	5			
May	2.546	2.712	2204	2344	220	232	2	2			
June	2.630	2.939	1741	2295	194	206	2	3			
July	2.618	3.040	2035	2307	201	236	2	3			
August	2.949	3.142	1610	1835	158	185	2	3			
September	2.881	2.990	1768	2190	166	208	2	3			
October	3.047	3.461	1967	2257	184	203	2	3			
November	2.599	2.828	2450	2801	247	269	2	2			
December	2.802	2.976	3084	3570	295	390	2	2			
Avg's:	2.741	2.961	2327	2628	224	252	2	3			
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	7.7	18.0	26.3	1.7	2.4	7.4	7.8			
February	BDL	9.9	15.1	16.2	1.4	1.5	7.4	7.8			
March	BDL	8.5	18.0	20.2	1.6	1.9	7.3	7.7			
April	BDL	9.0	21.9	28.3	2.0	2.4	7.2	7.7			
May	BDL	7.3	17.0	20.5	1.7	2.0	7.2	7.8			
June	BDL	7.1	15.5	22.6	1.7	2.3	7.3	7.7			
July	BDL	6.7	10.4	13.3	1.0	1.3	7.2	7.9			
August	BDL	6.9	11.1	15.8	1.1	1.4	7.3	7.9			
September	BDL	7.5	9.3	9.7	0.9	1.0	7.5	7.9			
October	BDL	8.3	10.0	11.2	0.9	1.0	7.4	7.9			
November	BDL	7.7	9.9	11.6	1.0	1.1	7.5	8.0			
December	BDL	7.6	13.9	14.7	1.3	1.3	7.4	7.8			
Avg's:	BDL	7.9	14.2	17.5	1.4	1.6	7.3	7.8			
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	2097	2800	206	286	17.0	26.3	1.6	2.4			
February	2344	2491	215	230	19.9	21.1	1.8	1.9			
March	2262	2648	204	227	18.9	20.3	1.7	1.9			
April	2789	4743	253	392	25.4	37.9	2.3	3.2			
May	2582	2880	257	284	18.6	25.4	1.9	2.6			
June	1961	2159	227	256	44.4	57.6	5.3	7.6			
July	1901	2413	186	235	37.3	59.1	3.7	6.1			
August	2207	2362	219	242	53.3	74.4	5.2	6.8			
September	2029	2184	190	208	41.6	72.0	4.1	7.8			
October	2528	3205	234	293	52.1	88.9	4.8	7.5			
November	2437	2704	247	279	21.0	30.2	2.1	3.0			
December	1833	2631	174	229	18.9	22.9	1.8	2.1			
Avg's:	2248	2768	218	263	30.70	44.66	3.03	4.41			
NPDES Permit	R.O.	R.O.	R.O.	R.O.	227	284	20	30			

City of Cornelia, Georgia WPCP Summary DMR Data Sheet										2021		(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	Eff Phos, lbs/month	Apr-Dec 20			
January	1.10	2.20	0.10	0.18	0.20	0.75	0.02	0.07	79.63	808.2			
February	0.60	1.10	0.06	0.10	0.10	0.10	0.01	0.01	36.22	Accumulative Total April 2020 thru March 2021 1106.89 AVG/MO 92.24083			
March	2.80	6.10	0.27	0.57	0.10	0.10	0.01	0.01	182.84				
April	5.90	8.30	0.55	0.76	0.10	0.10	0.01	0.01	353.7				
May	2.60	4.10	0.27	0.38	0.10	0.10	0.01	0.01	198.2				
June	6.50	9.70	0.76	1.35	0.20	0.30	0.02	0.05	467				
July	4.50	5.70	0.44	0.48	0.10	0.12	0.01	0.01	334.1				
August	5.80	9.60	0.55	0.88	0.10	0.10	0.01	0.01	376.4				
September	2.70	3.20	0.26	0.31	0.10	0.10	0.01	0.01	171.6				
October	2.30	3.10	0.21	0.26	0.10	0.12	0.01	0.01	183.2				

November	0.50	0.32	0.05	0.10	0.20	0.30	0.02	0.03	29.3
December	0.30	0.70	0.03	0.07	0.10	0.10	0.01	0.01	20.2
Avg's:	2.97	4.51	0.30	0.45	0.13	0.19	0.01	0.020	2133.7
NPDES Permit	12.5	15.6	1.1	1.7	17	21	1.5	2.3	3,425
	% 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	NO3-NO2 mg/l Month	
January	99.4%	99.1%	52.5	0.0212	0.016	BRL	20.4	20.4	
February	99.5%	99.1%	46.3	0.0294	BRL	BRL	17.0	17.0	
March	99.3%	99.1%	38.0	0.0248	0.03	BRL	22.7	22.7	
April	99.1%	99.0%	63.9	0.0294	0.224	BRL	21.1	21.1	
May	99.2%	99.2%	70.0	0.0172	0.046	BRL	18.0	18.0	
June	99.1%	97.3%	62.6	0.024	1.44	BRL	21.4	21.4	
July	99.5%	97.9%	35.9	0.0168	0.273	BRL	16.3	16.3	
August	99.2%	97.6%	40.1	0.0112	0.745	BRL	18.8	18.8	
September	99.5%	97.8%	23.1	0.0123	0.257	BRL	16.4	16.4	
October	99.5%	97.8%	29.2	0.0107	0.247	BRL	17.8	17.8	
November	99.6%	99.1%	39.7	0.025	BRL	BRL	20.4	20.4	
December	99.5%	98.8%	48.5	0.032	0.013	BRL	16.7	16.7	
Avg's:	99.4%	98.5%	45.8	0.0212	0.329	#DIV/0!	18.9	18.9	
NPDES Permit	85%	85%	R.O.	0.0934	R.O.	R.O.	R.O.	R.O.	
Total Tons			549.7						

NPDES REPORT ONLY = R.O.

NPDES Permit for Toxicity= 88% Survival, Growth and Reproduction for both Fathead Minnow & Water Flea

Toxicity Testing Results= 100% Growth, Reproduction & Survival Fathead Minnow & Water Flea

DMR/QA State Certified Lab: 100% Certification 2021