



Brunswick / Glynn County Joint Water & Sewer Commission

Jan. 2019

WWTF Capacity Rating

	Weekly Limit		Monthly Limit		Current Average		% OF CAPACITY
ACADEMY CREEK WWTF	16.9	MGD	13.5	MGD	8.13	MGD	60.22% *1 (I & I PROBLEM)
DUNBAR CREEK WWTF	5	MGD	4	MGD	2.878	MGD	71.95% *2 (I & I PROBLEM)
SOUTH PORT WWTF	1.875	MGD	1.5	MGD	0.394	MGD	26.27%

*NOTE *1: Academy Creek WWTF has an I & I Problem, which if fixed would reduce the amount of flow.*

There are several projects under way to repair the system and reduce the I & I Problem.

*NOTE *2: Dunbar Creek WWTF has an "EXTREME" I & I Problem, which if fixed would reduce the amount of flow.*

There are several projects under way to repair the system and reduce the I & I Problem.

ACADEMY CREEK WPCP

CITY OF BRUNSWICK

PERMIT #GA0025313

FINAL EFFLUENT COMPOSITE SAMPLES

JANUARY 2019	FLOW MGD	7-DAY AVG	BOD mg/L	7-DAY AVG	BOD LBS/DAY	7-DAY AVG	TSS mg/L	7-DAY AVG	TSS LBS/DAY	7-DAY AVG	COD mg/L	7-DAY AVG	COD LBS/DAY	7-DAY AVG
1	9.14		9		686		10		762		57		4345	
2	9.41		4		314		7		549		52		4081	
3	9.04		8		603		6		452		51		3845	
4	8.89		8		593		11		816		50		3707	
5	8.58													
6	8.11													
7	8.14	8.76	6	7	407	521	8	8	543	625	57	53	3870	3970
8	8.23	8.63	8	7	549	493	6	8	412	554	60	54	4118	3924
9	8.13	8.45	7	7	475	525	9	8	610	567	50	54	3390	3786
10	8.11	8.31	71	20	4802	1365	94	26	6358	1748	180	79	12175	5452
11	6.99	8.04	9	20	525	1352	9	25	525	1690	51	80	2973	5305
12	8.23	7.99		20		1352		25		1690		80		5305
13	7.96	7.97		20		1352		25		1690		80		5305
14	8.10	7.96	9	21	608	1392	12	26	811	1743	55	79	3715	5274
15	7.78	7.90	8	21	519	1386	9	27	584	1777	54	78	3504	5151
16	7.54	7.82	9	21	566	1404	11	27	692	1794	49	78	3081	5090
17	7.05	7.66	11	9	647	573	12	11	706	663	66	55	3881	3431
18	7.93	7.80	9	9	595	587	9	11	595	677	58	56	3836	3603
19	7.61	7.71		9		587		11		677		56		3603
20	7.74	7.68		9		587		11		677		56		3603
21	7.27	7.56	7	9	424	550	10	10	606	637	46	55	2789	3418
22	7.78	7.56	8	9	519	550	10	10	649	650	45	53	2920	3301
23	7.51	7.56	8	9	501	537	7	10	438	599	41	51	2568	3199
24	9.19	7.86	9	8	690	546	10	9	766	611	56	49	4292	3281
25	8.29	7.91	15	9	1037	634	16	11	1106	713	62	50	4287	3371
26	7.87	7.95		9		634		11		713		50		3371
27	8.23	8.02		9		634		11		713		50		3371
28	8.55	8.20	8	10	570	663	10	11	713	735	55	52	3922	3598
29	8.43	8.30	7	9	492	658	11	11	773	760	54	54	3797	3773
30	8.21	8.40	7	9	479	654	10	11	685	809	54	56	3697	3999
31	8.03	8.23	6	9	402	596	10	11	670	789	54	56	3616	3864
TOTAL	252.07													
AVERAGE	8.13	8.01	11	12	740	805	13	15	905	972	59	61	4001	4054
MAXIMUM	9.41	8.76	71	21	4802	1404	94	27	6358	1794	180	80	12175	5452
MINIMUM	6.99	7.56	4	7	314	493	6	8	412	554	41	49	2568	3199

ST SIMONS ISLAND WPCP
 BRUNSWICK GLYNN JWSC
 PERMIT #GA0021521

FINAL EFFLUENT COMPOSITE SAMPLES

JANUARY 2019	FLOW MGD	7-DAY AVG	BOD 7-DAY AVG mg/L	BOD 7-DAY AVG LBS/DAY	TSS 7-DAY AVG mg/L	TSS 7-DAY AVG LBS/DAY	D.O. mg/L	TEMP OUTFALL	pH SU	Enterococcc COLIFORM #/100 ml	7-DAY GEO MEAN					
1	3.518		2.0	58.7	3	88.0	8.43	21.9	7.64	52						
2	3.185						8.18	22.0	7.24							
3	3.096		2.0	51.6	3	77.5	9.01	22.0	7.66	12						
4	3.316						8.40	22.0	7.61							
5	2.644						8.31	22.3	7.45							
6	3.027						8.98	21.9	7.62							
7	2.736	3.075	3.0	2.3	68.5	59.6	3	3.0	68.5	78.0	8.74	20.4	7.65		25	
8	2.808	2.973	1.0	2.0	23.4	47.8	2	2.7	46.8	64.3	8.85	20.8	7.74	14	13	
9	2.765	2.913		2.0		47.8		2.7		64.3	8.49	19.9	7.72		13	
10	2.684	2.854	1.0	1.7	22.4	38.1	2	2.3	44.8	53.4	9.17	19.2	7.70	20	17	
11	2.994	2.808		1.7		38.1		2.3		53.4	9.24	19.0	7.74		17	
12	2.485	2.786		1.7		38.1		2.3		53.4	9.12	19.8	7.76		17	
13	2.766	2.748		1.7		38.1		2.3		53.4	8.23	20.2	8.23		17	
14	2.611	2.730	2.0	1.3	43.6	29.8	2	2.0	43.6	45.1	9.02	19.8	7.58		17	
15	2.705	2.716	2.0	1.7	45.1	37.0	2	2.0	45.1	44.5	8.83	19.3	7.43	54	33	
16	2.547	2.685		1.7		37.0		2.0		44.5	9.41	19.0	7.50		33	
17	2.639	2.678	1.0	1.7	22.0	36.9	2.0	2.0	44.0	44.2	9.47	18.8	7.52	12	25	
18	2.538	2.613		1.7		36.9		2.0		44.2	9.14	19.3	7.71		25	
19	3.018	2.689		1.7		36.9		2.0		44.2	9.07	19.3	7.63		25	
20	2.684	2.677		1.7		36.9		2.0		44.2	8.97	19.2	7.58		25	
21	2.644	2.682	1.0	1.3	22.1	29.7	3	2.3	66.2	51.8	9.36	18.1	7.62		25	
22	2.655	2.675	2.0	1.3	44.3	29.4	2	2.3	44.3	51.5	9.18	18.3	7.63	14	13	
23	2.766	2.706		1.3		29.4		2.3		51.5	9.07	19.4	7.52		13	
24	3.348	2.808	1.0	1.3	27.9	31.4	2	2.3	55.8	55.4	8.95	20.1	7.56	38	23	
25	3.338	2.922		1.3		31.4		2.3		55.4	9.01	18.7	7.59		23	
26	2.966	2.914		1.3		31.4		2.3		55.4	9.41	18.8	7.64		23	
27	2.902	2.946		1.3		31.4		2.3		55.4	8.99	18.8	7.69		23	
28	3.208	3.026	2.0	1.7	53.5	41.9	2	2.0	53.5	51.2	8.65	18.7	7.00		23	
29	2.886	3.059	0.94	1.3	22.6	34.7	2	2.0	48.1	52.5	8.31	18.9	7.19	20	28	
30	2.952	3.086		1.3		34.7		2.0		52.5	8.10	17.8	7.16		28	
31	2.780	3.005	0.98	1.3	22.7	33.0	2	2.0	46.4	49.3	8.88	17.8	7.45	20	20	
TOTAL	89.211															
AVERAGE	2.878	2.831	2	2	38	36.7	2	2.2	55	53	8.9	19.7	7.6	26	22	
MAXIMUM	3.518	3.086	3.0	2.3	68	59.6	3.0	3.0	88	78	9.5	22.3	8.2	54	33	
MINIMUM	2.485	2.613	0.9	1.3	22	29.4	2.0	2.0	44	44	8.10	17.8	7.00	12	13	
Hgt 7 day avg			2.3		59.6		3.0		78.0							
AVG LIMIT			5.0													
WKLY LIMIT			7.5													

PLANT EFFLUENT

JANUARY	EFF	FLOW	EFF	BOD	EFF	BOD	EFF	TSS	EFF	TSS	WATER	WATER METER	EFF	EFF	EFF	FECAL	7-DAY
	FLOW	7-DAY	BOD	7-DAY	BOD	7-DAY	TSS	7-DAY	TSS	7-DAY	METER	DAILY	D.O.	TEMP	PH	#/100	GEO
2019	MGD	AVG	mg/L	AVG	LBS/DAY	AVG	mg/L	AVG	LBS/DAY	AVG	READING	USAGE	mg/L	OUTFALL	SU	ML	MEAN
1	0.352		2.0		5.87		3		8.81		7425.00	0.00020	8.02	21.4	7.17	1	
2	0.408		5.0		17.01		3		10.21		7427.00	0.00020	7.96	21.0	7.13		
3	0.424										7429.00	0.00020	7.86	21.5	7.12	4	
4	0.423										7431.00	0.00020	8.11	22.0	7.17		
5	0.389										7433.00	0.00020	8.02	22	7.08		
6	0.388										7435.00	0.00020	8.13	21.6	7.18		
7	0.386	0.396	3.0	3.3	9.66	10.85	5	3.67	16.10	11.70	7437.00	0.00020	9.82	19.5	7.48		2
8	0.445	0.409	1.0	3.0	3.71	10.13	5	4.33	18.56	14.95	7439.00	0.00030	9.03	19.7	7.29	4	4
9	0.385	0.406	8.0	4.0	25.69	13.02	5	5.00	16.05	16.90	7441.00	0.00020	8.85	20.1	7.14		4
10	0.404	0.403		4.0		13.02		5.00		16.90	7442.00	0.00100	9.92	18.7	7.28	14	7
11	0.383	0.397		4.0		13.02		5.00		16.90	7443.00	0.00100	10.38	17.6	7.19		7
12	0.392	0.398		4.0		13.02		5.00		16.90	7444.00	0.00100	10.44	18.9	7.47		7
13	0.390	0.398		4.0		13.02		5.00		16.90	7444.00	0.00020	10.23	19.7	7.42		7
14	0.444	0.406	2.0	3.7	7.41	12.27	5	5.00	18.51	17.71	7446.00	0.00100	10.08	18.8	7.43		7
15	0.387	0.398	1.0	3.7	3.23	12.11	2	4.00	6.46	13.67	7456.00	0.00010	8.43	18.6	7.02	9	11
16	0.373	0.396	2.0	1.7	6.22	5.62	2	3.00	6.22	10.40	7457.00	0.00010	8.72	18.0	7.19		
17	0.385	0.393		1.7		5.62		3.00		10.40	7458.00	0.00010	8.80	17.7	7.16	6	7
18	0.389	0.394		1.7		5.62		3.00		10.40	7462.00	0.00030	8.36	18.7	7.05		7
19	0.377	0.392		1.7		5.62		3.00		10.40	7464.00	0.00010	8.25	19.0	7.08		7
20	0.371	0.389		1.7		5.62		3.00		10.40	7465.00	0.00010	8.32	19.0	7.16		7
21	0.354	0.377	2.0	1.7	5.90	5.12	5	3.00	14.76	9.15	7467.00	0.00010	8.48	17.7	7.27		7
22	0.391	0.377	2.0	2.0	6.52	6.22	1	2.67	3.26	8.08	7468.00	0.00010	8.54	16.6	7.35	3	4
23	0.416	0.383	2.0	2.0	6.94	6.46	2	2.67	6.94	8.32	7469.00	0.00010	8.34	18.6	7.33		4
24	0.443	0.392		2.0		6.46		2.67		8.32	7470.00	0.00010	8.32	19.6	7.34	8	12
25	0.366	0.388		2.0		6.46		2.67		8.32	7471.00	0.00010	8.47	18.0	7.35		5
26	0.366	0.387		2.0		6.46		2.67		8.32	7474.00	0.00030	8.92	18.4	7.94		5
27	0.390	0.389		2.0		6.46		2.67		8.32	7479.00	0.00050	8.91	18.2	7.78		5
28	0.393	0.395		2.0		6.73		1.50		5.10	7480.00	0.00010	10.07	18.7	7.77	18	8
29	0.412	0.398	2.0	2.0	6.87	6.91	2	2.00	6.87	6.91	7482.00	0.00020	10.00	17.9	7.80		12
30	0.402	0.396	9.0	5.5	30.17	18.52	3	2.50	10.06	8.47	7484.00	0.00020	10.38	16.9	7.81		12
31	0.383	0.387	1.0	4.0	3.19	13.41	2	2.33	6.39	7.77	7485.00	0.00010	10.43	15.8	7.83	19	18
TOTAL	12.211	9.845															
AVERAGE	0.394	0.394	3.0	2.8	9.89	9.11	3.2	3.373	10.66	11.26		0.00880	9.0	19.0	7.3	9	6
MAXIMUM	0.445	0.409	9.0	5.5	30.17	18.5	5.0	5.00	18.6	17.7		0.00050	10.4	22.0	7.9	19	18
MINIMUM	0.352	0.377	1.0	1.7	3.19	5.1	1.0	1.50	3.3	5.1		0.00010	7.9	15.8	7.0	1	2