

NPDES PERMIT NO.: NC0047384

PERMIT VERSION: 4.0

PERMIT STATUS: Expired

FACILITY NAME: T.Z. Osborne WWTP

CLASS: WW-4.

COUNTY: Guilford

OWNER NAME: City of Greensboro

ORC: Bradley Todd Flynt

ORC CERT NUMBER: 27171

GRADE: WW-4.

ORC HAS CHANGED: No

eDMR PERIOD: 03-2021 (March 2021)

VERSION: 1.0

STATUS: Submitted

SAMPLING LOCATION: EFFLUENT DISCHARGE NO.: 001 NO DISCHARGE*: NO

Date	Composite Sample Time		Total Composite Time		Operator Time On Site	ORC On Site***	No Reporting Reason****	50050	00010	00400	50060	CO610	CO530	31616	00300	CO600	
	2400 clock	Hrs	2400 clock	Hrs				Continuous	5 X week	5 X week	5 X week	5 X week	5 X week	2 X week	2 X week	5 X week	Weekly
	Recorder	Grab	Grab	Grab				Composite	Composite	Grab	Grab	Composite					
	FLOW	TEMP-C	pH	CHLORINE				NH3-N - Conc	TSS - Conc	FCOLI BR	DO	TOTAL TV					
				Y/B/N			mgd	deg c	su	ug/l	mg/l	mg/l	#/100ml	mg/l	mg/l		
1		24	7	24	Y		43.46	16.9	7.5	40.7	8.29	5.87	> 2419.6	9.38			
2		24	7	24	Y		41.04	16.1	7.5	< 14	5.87	4.75	< 1	9.37			
3		24	7	24	Y		40	16.3	7.6	< 14	5.18	3.8	3	9.28	8		
4		24	7	24	Y		40.11	16.5	7.5	< 14	7.31	3.2	1	9.43			
5		24	7	24	Y		38.1	16.2	7.6	< 14	8.13	2.9	1	9.46			
6		24	7	24	B		36.06										
7		24	7	24	B		34.82										
8		24	7	24	Y		36.39	16.6	7.5	< 14	7.03	2.7	1	9.35			
9		24	7	24	Y		32.42	16.9	7.6	< 14	4.46	4.3	1	9.26			
10		24	7	24	Y		35.27	17.3	7.6	< 14	3.5	< 2.5	1	9.18	6.34		
11		24	7	24	Y		35.75	18.1	7.6	< 14	5.91	< 2.5	2	8.9			
12		24	7	24	Y		34.95	18.7	7.6	< 14	5.42	< 2.5	< 1	8.82			
13		24	7	24	B		35.31										
14		24	7	24	B		34.76										
15		24	7	24	Y		33.43	18.3	7.6	< 14	2.05	< 2.5	< 1	9.43			
16		24	7	24	Y		35.61	17.8	7.5	< 14	0.243	< 2.5	1	8.87			
17		24	7	24	Y		38.24	17.5	7.6	< 14	0.173	< 2.5	2	8.94	3		
18		24	7	24	Y		36.77	18.4	7.5	< 14	0.197	< 2.5	6.3	9.11			
19		24	7	24	Y		41.19	17.4	7.6	< 14	1.78	3.7	3.1	9.21			
20		24	7	24	B		40.54										
21		24	7	24	B		38.41										
22		24	7	24	Y		40.41	17.1	7.5	< 14	21.2	15.3	< 1	9.4			
23		24	7	24	Y		38.43	17.9	7.6	< 14	12.8	2.5	< 1	9.21			
24		24	7	24	Y		38.8	18.7	7.6	< 14	1.39	< 2.5	< 1	9.01	4.2		
25		24	7	24	Y		42.36	19	7.6	< 14	1.37	< 2.5	< 1	8.98			
26		24	7	24	Y		63.2	19.3	7.5	< 14	2.99	8.3	< 1	8.99			
27		24	7	24	B		46.93										
28		24	7	24	B		49.4										
29		24	7	24	Y		43.78	17.6	7.4	< 14	5.03	< 2.5	1.41	9.36			
30		24	7	24	Y		41.09	17.8	7.5	< 14	0.359	< 2.5	1	9.23			
31		24	7	24	Y		48.84	18.1	7.6	< 14	0.843	< 2.5	7.5	9.05	3.35		
Monthly Average Limit:								40				4	30	200			
Monthly Average:								39.866774	17.586957		1.769565	4.848913	2.492174	1.971023	9.183478	4.978	
Daily Maximum:								63.2	19.3	7.6	40.7	21.2	15.3	2419.6	9.46	8	
Daily Minimum:								32.42	16.1	7.4	0	0.173	0	0	8.82	3	

**** No Reporting Reason: ENFRUSE = No Flow-Reuse/Recycle; ENVWTHR = No Visitation - Adverse Weather; NOFLOW = No Flow; HOLIDAY = No Visitation - Holiday

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SAMPLING LOCATION: EFFLUENT DISCHARGE NO.: 001 NO DISCHARGE*: NO (Continue)

Date	Composite Sample Time	Total Composite Time		Operator Time On Site	ORC On Site***	No Reporting Reason****	QM600	QY600	QY665	CO665	QM665	80082	00630	00625	01147	82388	01097	
		Monthly	Annually				Annually	Weekly	Monthly	2 X week	Weekly	Weekly	Monthly					
		Calculated	Calculated				Calculated	Composite	Calculated	Composite	Composite	Composite	Composite	Grab	Composite			
		TOTAL N -	TOTAL N -				Total P - Qty	TOTAL P -	Total P - Qty	CBOD 20C	NO2&NO3	TOT KJEL	Se-TOTAL	14DIOXAN	ANTIMONY			
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N	lb/mon	lbs/yr	lbs/yr	mg/l	lb/mon	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	
1		24	7	24	Y						5.63							
2		24	7	24	Y						5.05							
3		24	7	24	Y						2.07	< 0.1	7.9	< 1				
4		24	7	24	Y				0.89		2.73							
5		24	7	24	Y						10.6					10.45		
6		24	7	24	B													
7		24	7	24	B													
8		24	7	24	Y						2.45							
9		24	7	24	Y						< 2							
10		24	7	24	Y						< 2	0.14	6.2					
11		24	7	24	Y				0.766		2.04							
12		24	7	24	Y						2.21					7.47		
13		24	7	24	B													
14		24	7	24	B													
15		24	7	24	Y						2.79							
16		24	7	24	Y						2.18							
17		24	7	24	Y						2.54	0.37	2.63			3.43		
18		24	7	24	Y				0.561		2.61					5.16		
19		24	7	24	Y						3.31							
20		24	7	24	B													
21		24	7	24	B													
22		24	7	24	Y						23.8							
23		24	7	24	Y						7.09							
24		24	7	24	Y						< 2	0.87	3.33					
25		24	7	24	Y				0.311		< 2							
26		24	7	24	Y											5.84		
27		24	7	24	B													
28		24	7	24	B													
29		24	7	24	Y						2.8							
30		24	7	24	Y						< 2					2.85		
31		24	7	24	Y		51330.8818			6514	2.23	0.58	2.77					
Monthly Average Limit:											8			5.2				
Monthly Average:							51330.8818			0.632	6514	3.733182	0.392	4.566	0		5.866667	
Daily Maximum:							51330.8818			0.89	6514	23.8	0.87	7.9	0	10.45		
Daily Minimum:							51330.8818			0.311	6514	0	0	2.63	0	2.85		

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SAMPLING LOCATION: EFFLUENT DISCHARGE NO.: 001 NO DISCHARGE*: NO (Continue)

Date	Composite Sample Time	Total Composite Time	Operator Arrival Time	Operator Time On Site	ORC On Site?*	No Reporting Reason****	01002	01012	01027	01034	01037	01042	00720	00900	01051	COMER	01067	
							Composite	Composite	Composite	Composite	Composite	Composite	Grab	Composite	Composite	Grab	Composite	
							As-TOTAL	BERYLIUM	CADMIUM	Cr-TOTAL	COBALT	COPPER	CN-TOT	TOT HARD	LEAD	MERCURY -	NICKEL	
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	mg/l	ug/l	ug/l	ug/l	
1		24	7	24	Y													
2		24	7	24	Y													
3		24	7	24	Y		< 2		< 0.15	3		2			< 0.5			8.3
4		24	7	24	Y													
5		24	7	24	Y												0.0033	
6		24	7	24	B													
7		24	7	24	B													
8		24	7	24	Y													
9		24	7	24	Y													
10		24	7	24	Y													
11		24	7	24	Y													
12		24	7	24	Y													
13		24	7	24	B													
14		24	7	24	B													
15		24	7	24	Y													
16		24	7	24	Y													
17		24	7	24	Y													
18		24	7	24	Y													
19		24	7	24	Y													
20		24	7	24	B													
21		24	7	24	B													
22		24	7	24	Y													
23		24	7	24	Y													
24		24	7	24	Y													
25		24	7	24	Y													
26		24	7	24	Y													
27		24	7	24	B													
28		24	7	24	B													
29		24	7	24	Y													
30		24	7	24	Y													
31		24	7	24	Y													
Monthly Average Limit:																		
Monthly Average:							0		0	3		2				0	0.0033	8.3
Daily Maximum:							0		0	3		2				0	0.0033	8.3
Daily Minimum:							0		0	3		2				0	0.0033	8.3

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CLASS: WW-4

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ORC HAS CHANGED: No

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SAMPLING LOCATION: EFFLUENT DISCHARGE NO.: 001 NO DISCHARGE*: NO (Continue)

Date	Composite Sample Time		Total Composite Time		Operator Time On Site	Operator Arrival Time	Operator Time On Site	ORC On Site?*	No Reporting Reason****	TGP3B	01077	01059	01102	01152	01087	01092	
	2400 clock	Hrs	2400 clock	Hrs						Y/B/N	Composite	Composite	Composite	Composite	Composite	Composite	Composite
	CERI/DPF	SILVER	THALLIUM	TIN						TITANIUM	VANADIUM	ZINC					
									pass/fail	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
1		24	7	24	Y												
2		24	7	24	Y												
3		24	7	24	Y					< 0.5						13	
4		24	7	24	Y												
5		24	7	24	Y												
6		24	7	24	B												
7		24	7	24	B												
8		24	7	24	Y												
9		24	7	24	Y												
10		24	7	24	Y												
11		24	7	24	Y												
12		24	7	24	Y												
13		24	7	24	B												
14		24	7	24	B												
15		24	7	24	Y												
16		24	7	24	Y												
17		24	7	24	Y												
18		24	7	24	Y												
19		24	7	24	Y												
20		24	7	24	B												
21		24	7	24	B												
22		24	7	24	Y												
23		24	7	24	Y												
24		24	7	24	Y												
25		24	7	24	Y												
26		24	7	24	Y												
27		24	7	24	B												
28		24	7	24	B												
29		24	7	24	Y												
30		24	7	24	Y												
31		24	7	24	Y												
Monthly Average Limit:																	
Monthly Average:											0						13
Daily Maximum:											0						13
Daily Minimum:											0						13

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PERMIT STATUS: Expired

FACILITY NAME: T.Z. Osborne WWTP

CLASS: WW-4.

COUNTY: Guilford

OWNER NAME: City of Greensboro

ORC: Bradley Todd Flynt

ORC CERT NUMBER: 27171

GRADE: WW-4.

ORC HAS CHANGED: No

eDMR PERIOD: 03-2021 (March 2021)

VERSION: 1.0

STATUS: Submitted

SAMPLING LOCATION: INFLUENT DISCHARGE NO.: 001

Date	Composite Sample Time	Total Composite Time	No Reporting Reason****	CO530	80082	CO610	CO665	80091	81011
				2 X week	2 X week				
				Composite	Composite	Composite	Composite	Composite	Composite
				TSS - Conc	CBOD 20C	NH3-N - Conc	TOTAL P - Conc	CBOD5-%R	TSS-%R
	2400	Hrs		mg/l	mg/l	mg/l	mg/l	percent	percent
1		24		343	348	16.8			
2		24		210	270	15.7			
3		24		324	393	27.6			
4		24		294	393	21.7	11.58		
5		24		273	447	22.1			
6		24							
7		24							
8		24		233	273	16			
9		24		286	283	16.5			
10		24		229	315	22.7			
11		24		282	497	29.2	15.83		
12		24		274	333	27.5			
13		24							
14		24							
15		24		230	282	18.7			
16		24		267	246	17.8			
17		24		362	341	23.6			
18		24		228	398	22	12.57		
19		24		303	343	19			
20		24							
21		24							
22		24		238	256	17.9			
23		24		282	217	16.8			
24		24		278	326	21.5			
25		24		304	308	22.1	9.5		
26		24		232		21.7			
27		24							
28		24							
29		24		138	183	12.8			
30		24		240	232	15.3			
31		24		251	327	18.7		98.82858	99.060372
Monthly Average Limit:									
Monthly Average:				265.26087	318.681818	20.16087	12.37	98.82858	99.060372
Daily Maximum:				362	497	29.2	15.83	98.82858	99.060372
Daily Minimum:				138	183	12.8	9.5	98.82858	99.060372

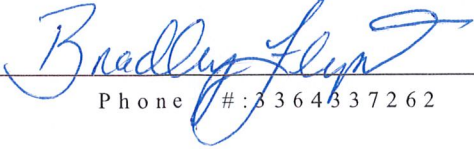
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FACILITY NAME: T.Z. Osborne WWTP
OWNER NAME: City of Greensboro
GRADE: WW-4
eDMR PERIOD: 03-2021 (March 2021)
COMPLIANCE STATUS: Non-Compliant

PERMIT VERSION: 4.0
CLASS: WW-4
ORC: Bradley Todd Flynt
ORC HAS CHANGED: No
VERSION: 1.0
CONTACT PHONE #: 433-7262

PERMIT STATUS: Expired
COUNTY: Guilford
ORC CERT NUMBER: 27171
STATUS: Submitted
SUBMISSION DATE: 04/28/2021


Electronically Certified by Bradley Todd Flynt on 2021-04-28 09:02:41.612
ORC/Certifier Signature: Bradley Todd Flynt

 5/3/21
Phone #: 3364337262 Date

I certify that this report is accurate and complete to the best of my knowledge.

The permittee shall report to the Director or the appropriate Regional Office any noncompliance that potentially threatens public health or the environment. Any information shall be provided orally within 24 hours from the time the permittee became aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall be made as required by part II.E.6 of the NPDES permit.

Electronically Signed by Elijah Lamont Williams on 2021-04-28 09:43:04.292

 5/3/2021
Date

Permittee/Submitter Signature: ***Elijah Lamont Williams Phone #: 336-373-4632 Date
Permittee Address: 2350 Huffine Mill Rd Mc Leansville NC 27301 Permit Expiration Date: 06/30/2019

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

CERTIFIED LABORATORIES

LAB NAME: TZO Laboratory, Meritech Labs Inc, Pace Analytical Services
CERTIFIED LAB #: #65, #165, #12
PERSON(S) COLLECTING SAMPLES: Automatic Sampler

PARAMETER CODES

Parameter Code assistance may be obtained by visiting <https://deq.nc.gov/about/divisions/water-resources/edmr/user-documentation>.

FOOTNOTES

Use only units of measurement designated in the reporting facility's NPDES permit for reporting data.

* No Flow/Discharge From Site: YES indicates that No Flow/Discharge occurred and, as a result, no data is reported for any parameter on the DMR for the entire monitoring period.

** ORC on Site?: ORC must visit facility and document visitation of facility as required per 15A NCAC 8G .0204.

*** Signature of Permittee: If signed by other than the permittee, then delegation of the signatory authority must be on file with the state per 15A NCAC 2B .0506(b)(2)(D).

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Report Comments:

Data Qualifications-CBOD: Dilution water depleted >0.20 mg/l on 3/1, 3/2, 3/3, 3/4, 3/5, 3/29-DI water filter changed on 3/4; Glucose Glutamic Acid Std. out of range on 3/4, 3/11, 3/19, 3/25; The chlorine residual value reported on 3/1 was an average of 3 daily samples/analyses; The POTW recorded one monthly average ammonia-nitrogen violation. The nitrification process is still in recovery from the upset in February 2021. The POTW was in compliance the first 2 weeks of April, but experienced more difficulties in week 4.