

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: 04-2021 (April 2021)

VERSION: 1.0

STATUS: Submitted

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

Date	Composite Sample Time	Total Composite Time	Operator Arrival Time	Operator Time On Site	ORC On Site***	No Reporting Reason****	50050	00010	00400	50060	CO610	CO530	31616	00300	CO600	
							Continuous	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 N -	
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N		mgd	deg c	su	ug/l	mg/l	mg/l	#/100ml	mg/l	mg/l	
1		24	7	24	Y		45.68	18.5	7.5	< 14	1.03	< 2.5	2	9.09		
2		24	7	24	Y		40.34	H	H	H	H	H	H	H	H	
3		24	7	24	B		37.12									
4		24	7	24	B		37.48									
5		24	7	24	Y		37.54	18.6	7.5	< 14	0.581	< 2.5		9.1		
6		24	7	24	Y		37.45	19.2	7.5	< 14	0.775	< 2.5	2	8.88		
7		24	7	24	Y		36.27	19.8	7.5	< 14	0.611	2.6	1	8.8	5.73	
8		24	7	24	Y		36.44	20.4	7.6	< 14	0.852	2.9	2	8.7		
9		24	7	24	Y		37.37	20.9	7.6	< 14	0.986	3.5	< 1	8.64		
10		24	7	24	B		37.67									
11		24	7	24	B		40.04									
12		24	7	24	Y		37.03	20.3	7.6	< 14	0.445	4.65	1	8.65		
13		24	7	24	Y		35.97	20.5	7.6	< 14	0.824	4.94	3.1	8.64		
14		24	7	24	Y		35.87	20.9	7.6	< 14	1.5	7.07	2	8.55	6.93	
15		24	7	24	Y		35.58	21.4	7.6	< 14	2.63	8	< 1	8.29		
16		24	7	24	Y		34.14	21	7.7	< 14	4.49	10.2	48.7	8.47		
17		24	7	24	B		35.45									
18		24	7	24	B		33.78									
19		24	7	24	Y		33.36	20.3	7.7	< 14	6.81	10.2	4.1	8.74		
20		24	7	24	Y		35.51	20.5	7.7	< 14	7.81	10.6	4.1	8.68	11.26	
21		24	7	24	Y		30.34	20.8	7.7	< 14	11.5	11.3	3.1	8.67		
22		24	7	24	Y		34.91	20.4	7.7	< 14	16.3	9.29	1	8.69		
23		24	7	24	Y		33.14	20.8	7.7	< 14	13.1	8.92	5.2	8.65		
24		24	7	24	B		35.33									
25		24	7	24	B		32.59									
26		24	7	24	Y		31.97	20.6	7.6	< 14	1.07	4	2	8.67		
27		24	7	24	Y		34.24	20.6	7.6	< 14	0.664	3.75	1	8.7		
28		24	7	24	Y		32.28	21.1	7.6	< 14	0.13	3.5	< 1	8.55	3.49	
29		24	7	24	Y		34.1	22	7.7	< 14	0.17	3.4	6.3	8.36		
30		24	7	24	B		32.83	22	7.7	< 14	0.192	3.2	6.3	8.45		
Monthly Average Limit:							40				2	30	200			
Monthly Average:							35.727333	20.504762		0	3.450952	5.334286	2.430987	8.665238	6.8525	
Daily Maximum:							45.68	22	7.7	0	16.3	11.3	48.7	9.1	11.26	
Daily Minimum:							30.34	18.5	7.5	0	0.13	0	0	8.29	3.49	

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

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COUNTY: Guilford

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ORC: Bradley Todd Flynt

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GRADE: WW-4

ORC HAS CHANGED: No

eDMR PERIOD: 04-2021 (April 2021)

VERSION: 1.0

STATUS: Submitted

**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****	QY600	QM600	QY665	CO665	QM665	80082	01042	00630	00625	TGP3B	01147	
							Annually	Monthly	Annually	Weekly	Monthly	2 X week	Quarterly	Weekly	Weekly	Quarterly	Monthly	
							Calculated	Calculated	Calculated	Composite	Calculated	Composite	Composite	Composite	Composite	Composite	Composite	
							TOTAL N -	TOTAL N -	Total P - Qty	TOTAL P -	Total P - Qty	CBOD 20C	COPPER	NO2&NO3	TOT KJEL	CERI7DPF	Se-TOTAL	
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N	lbs/yr	lb/mon	lbs/yr	mg/l	lb/mon	mg/l	ug/l	mg/l	mg/l	pass/fail	ug/l		
1		24	7	24	Y				0.512		2.81							
2		24	7	24	Y				H		H	H	H	H			H	
3		24	7	24	B													
4		24	7	24	B													
5		24	7	24	Y						2.25							
6		24	7	24	Y						2.25							
7		24	7	24	Y						2.25		2.37	3.36				
8		24	7	24	Y				0.634		2.62							
9		24	7	24	Y						2.64							
10		24	7	24	B													
11		24	7	24	B													
12		24	7	24	Y				0.621		3.11							
13		24	7	24	Y						2.85							
14		24	7	24	Y						4.56		1.89	5.04				
15		24	7	24	Y				2.09		3.94							
16		24	7	24	Y						4.95							
17		24	7	24	B													
18		24	7	24	B													
19		24	7	24	Y				1.23		4.73							
20		24	7	24	Y						4.44	5	0.66	10.6	1		< 1	
21		24	7	24	Y						9.53							
22		24	7	24	Y						9.34							
23		24	7	24	Y						4.39							
24		24	7	24	B													
25		24	7	24	B													
26		24	7	24	Y						5.02							
27		24	7	24	Y				0.555		2.33							
28		24	7	24	Y				0.423		2.53		0.57	2.92				
29		24	7	24	Y				0.634		2.76							
30		24	7	24	B													
Monthly Average Limit:												4					5.2	
Monthly Average:								61230.8622		0.837375	7482	3.92381	5	1.3725	5.48	1		0
Daily Maximum:								61230.8622		2.09	7482	9.53	5	2.37	10.6	1		0
Daily Minimum:								61230.8622		0.423	7482	2.25	5	0.57	2.92	1		0

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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****	01092	82388	01097	01002	01012	01027	01034	01037	00720	00900	01051						
							Quarterly																
							Composite	Grab	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Grab	Composite	Composite		
							ZINC	14DIOXAN	ANTIMONY	As-TOTAL	BERYLIUM	CADMIUM	Cr-TOTAL	COBALT	CN-TOT	TOT HARD	LEAD						
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N																		
1		24	7	24	Y																		
2		24	7	24	Y		H		H	H	H	H	H	H	H			H					
3		24	7	24	B																		
4		24	7	24	B																		
5		24	7	24	Y																		
6		24	7	24	Y																		
7		24	7	24	Y																		
8		24	7	24	Y																		
9		24	7	24	Y			33.65															
10		24	7	24	B																		
11		24	7	24	B																		
12		24	7	24	Y																		
13		24	7	24	Y			3.9															
14		24	7	24	Y			11.85															
15		24	7	24	Y																		
16		24	7	24	Y																		
17		24	7	24	B																		
18		24	7	24	B																		
19		24	7	24	Y																		
20		24	7	24	Y		55		1.5	2	< 0.5	< 0.15	3	2	< 20	132	< 0.5						
21		24	7	24	Y																		
22		24	7	24	Y																		
23		24	7	24	Y			6.38															
24		24	7	24	B																		
25		24	7	24	B																		
26		24	7	24	Y																		
27		24	7	24	Y																		
28		24	7	24	Y																		
29		24	7	24	Y			8.29															
30		24	7	24	B																		
Monthly Average Limit:																							
Monthly Average:							55	12.814	1.5	2	0	0	3	2	0	132	0						
Daily Maximum:							55	33.65	1.5	2	0	0	3	2	0	132	0						
Daily Minimum:							55	3.9	1.5	2	0	0	3	2	0	132	0						

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COUNTY: Guilford

OWNER NAME: City of Greensboro

ORC: Bradley Todd Flynt

ORC CERT NUMBER: 27171

GRADE: WW-4.

ORC HAS CHANGED: No

eDMR PERIOD: 04-2021 (April 2021)

VERSION: 1.0

STATUS: Submitted

**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***	COMER	01067	01077	01059	01102	01152	01087				
							Grab	Composite	Composite	Composite	Composite	Composite	Composite				
							MERCURY - Conc	NICKEL	SILVER	THALLIUM	TIN	TITANIUM	VANADIUM				
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l					
1		24	7	24	Y												
2		24	7	24	Y	H	H	H	H	H	H	H	H				
3		24	7	24	B												
4		24	7	24	B												
5		24	7	24	Y												
6		24	7	24	Y												
7		24	7	24	Y												
8		24	7	24	Y												
9		24	7	24	Y												
10		24	7	24	B												
11		24	7	24	B												
12		24	7	24	Y		0.003										
13		24	7	24	Y												
14		24	7	24	Y												
15		24	7	24	Y												
16		24	7	24	Y												
17		24	7	24	B												
18		24	7	24	B												
19		24	7	24	Y												
20		24	7	24	Y			9.3	< 0.5		< 25	< 5	< 5				
21		24	7	24	Y												
22		24	7	24	Y												
23		24	7	24	Y												
24		24	7	24	B												
25		24	7	24	B												
26		24	7	24	Y												
27		24	7	24	Y												
28		24	7	24	Y												
29		24	7	24	Y												
30		24	7	24	B												
Monthly Average Limit:																	
Monthly Average:							0.003	9.3	0		0	0	0	0			
Daily Maximum:							0.003	9.3	0		0	0	0	0			
Daily Minimum:							0.003	9.3	0		0	0	0	0			

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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: 04-2021 (April 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		333	321	18.8	9.75		
2		24		H	H	H	H		
3		24							
4		24							
5		24		378	252	18.4			
6		24		248	216	18.7			
7		24		227	275	21.6			
8		24		249	347	22.4	12.3		
9		24		305	376	24.3			
10		24							
11		24							
12		24		189	280	18	6.8		
13		24		251	272	16.5			
14		24		229	395	21.9			
15		24		273	412	23	13.8		
16		24		295	420	24.7			
17		24							
18		24							
19		24		258	401	22.5	7.9		
20		24		406	393	22.5			
21		24		213	416	28.6			
22		24		319	391	28.3			
23		24		308	383	32.2			
24		24							
25		24							
26		24		188	343	18.2			
27		24		234	370	18.1			
28		24		237	483	23.2			
29		24		230	420	27	12.4		
30		24		251	523	24		98.928373	98.007492
Monthly Average Limit:									
Monthly Average:				267.666667	366.142857	22.519048	10.491667	98.928373	98.007492
Daily Maximum:				406	523	32.2	13.8	98.928373	98.007492
Daily Minimum:				188	216	16.5	6.8	98.928373	98.007492

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FACILITY NAME: T.Z. Osborne WWTP  
OWNER NAME: City of Greensboro  
GRADE: WW-4  
eDMR PERIOD: 04-2021 (April 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: 06/01/2021

Electronically Certified by Bradley Todd Flynt on 2021-05-25 15:43:49.299

ORC / Certifier Signature: Bradley Todd Flynt

Phone #: 336 433 7262

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 2021-06-01 08:35:53.507

Permittee/Submitter Signature: \*\*\*Elijah Lamont Williams

Phone #: 336-373-4632

Date

Permittee Address: 2350 Huffin Mill Rd Mc Leansville NC 273019304

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: Glucose Glutamic Acid Std. out of range on 4/9, 4/12-16, 4/19-21, 4/27-30. New standard received from different supplier on 5/5/21-Drift out on 4/21-On 4/23 Seed did not meet 2&1 rule; TSS on 4/20 Effluent filtration time for 500ml >10 minutes. TZO POTW recorded the following violations: CBOD 1 WA; Ammonia 1 WA & 1 MA ; and a chronic bioassay fail @90%. The ammonia and bioassay violations were caused by higher than usual influent ammonia levels causing some pass-through to the effluent.