

NPDES PERMIT NO.: NC0047384  
 FACILITY NAME: T.Z. Osborne WWTP  
 OWNER NAME: City of Greensboro  
 GRADE: WW-4  
 eDMR PERIOD: 05-2023 (May 2023)

PERMIT VERSION: 4.0  
 CLASS: WW-4  
 ORC: Bradley Todd Flynt  
 ORC HAS CHANGED: No  
 VERSION: 1.0

PERMIT STATUS: Expired  
 COUNTY: Guilford  
 ORC CERT NUMBER: 27171  
 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	COS30	31616	00300	QM600		
							Continuous	5 X week	5 X week	5 X week	5 X week	5 X week	5 X week	5 X week	5 X week	5 X week	Monthly
							Recorder	Grab	Grab	Grab	Composite	Composite	Grab	Grab	Calculated		
						FLOW	TEMP-C	pH	CHLORINE	NH3-N - Conc	TSS - Conc	FCOLI BR	DO	TOTAL N - Qty			
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N		mgd	deg c	su	ug/l	mg/l	mg/l	#/100ml	mg/l	lb/mon		
1		24	7	24	Y		38.18	20.1	7.6	< 14	< 0.1	6.3	13.2	8.23			
2		24	7	24	Y		36.44	20.9	7.5	< 14	0.286	6.27	16	8.45			
3		24	7	24	Y		36.25	21.2	7.3	< 14	0.305	6.73	12.2	8.38			
4		24	7	24	B		36.53	20.7	7.4	< 14	0.179	6	3.1	8.33			
5		24	7	24	Y		35.24	21.6	7.5	< 14	0.192	6.42	43.7	8.3			
6		24	7	24	B		31.69										
7		24	7	24	B		32.91										
8		24	7	24	Y		33.83	23.1	7.5	< 14	0.104	4	22.3	7.71			
9		24	7	24	Y		34.04	23.2	7.5	< 14	< 0.1	5.64	6.3	7.63			
10		24	7	24	Y		32.75	23.1	7.6	< 14	< 0.1	5.25	20.1	8.32			
11		24	7	24	B		32.6	23.1	7.6	< 14	< 0.1	5.17	31.3	8.5			
12		24	7	24	Y		34.07	23	7.6	< 14	0.118	4.87	26.6	7.79			
13		24	7	24	B		32.87										
14		24	7	24	B		32.04										
15		24	7	24	Y		32.81	24.1	7.7	< 14	< 0.1	5.25	12.8	8.43			
16		24	7	24	Y		32.36	24	7.6	< 14	< 0.1	3.47	18.3	8.07			
17		24	7	24	Y		34.09	24.2	7.4	< 14	0.258	5.47	1	8.21			
18		24	7	24	Y		31.9	24.1	7.5	< 14	0.767	7.29	3.1	8.61			
19		24	7	24	Y		32.78	24	7.6	< 14	0.111	6.09	18.3	8.54			
20		24	7	24	B		30.53										
21		24	7	24	B		30.49										
22		24	7	24	Y		32.68	24.6	7.6	< 14	< 0.01	5.23	29.8	7.72			
23		24	7	24	B		31.74	24.1	7.6	< 14	< 0.01	4.39	14.6	8.2			
24		24	7	24	Y		32.33	24	7.7	< 14	< 0.01	3.2	12.2	8.32			
25		24	7	24	Y		30.51	24.2	7.8	28	0.182	5.57	50.4	8.05			
26		24	7	24	B		31.7	24	7.6	< 14	0.128	5.6	14.5	7.82			
27		24	7	24	B		31.28										
28		24	7	24	B		32.26										
29		24	7	24	Y		39.27	H	H	H	H	H	H	H			
30		24	7	24	Y		33.76	23	7.5	< 14	< 0.1	5.94	11.4	8.62			
31		24	7	24	Y		31.42	23.1	7.5	< 14	< 0.1	5	4.1	8.57	26838		
Monthly Average Limit:							56				2	30	200				
Monthly Average:							33.269355	23.063636		1.272727	0.119545	5.415909	12.716456	8.218182	26838		
Daily Maximum:							39.27	24.6	7.8	28	0.767	7.29	50.4	8.62	26838		
Daily Minimum:							30.49	20.1	7.3	0	0	3.2	1	7.63	26838		

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

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: 05-2023 (May 2023)

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****	CO600	QY600	QM665	CO665	QY665	80082	00630	00625	01147	82388	01097	
							Weekly	Annually	Monthly	Weekly	Annually	5 X week	Weekly	Weekly	Monthly			
							Composite	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	mg/l	lbs/yr	lb/mon	mg/l	lbs/yr	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	
1		24	7	24	Y						3.56							
2		24	7	24	Y				1.11		2.28							
3		24	7	24	Y		3.31				3.55	< 0.1	3.31			2.17		
4		24	7	24	B						2.03							
5		24	7	24	Y						2.47							
6		24	7	24	B													
7		24	7	24	B													
8		24	7	24	Y						< 2							
9		24	7	24	Y				0.237		< 2					1.9		
10		24	7	24	Y		2.92				< 2	0.52	2.4	< 1				
11		24	7	24	B						< 2							
12		24	7	24	Y						< 2							
13		24	7	24	B													
14		24	7	24	B													
15		24	7	24	Y						< 2							
16		24	7	24	Y				0.358		< 2					1.73		
17		24	7	24	Y		4.28				< 2	0.55	3.73					
18		24	7	24	Y						2.4							
19		24	7	24	Y						3.06							
20		24	7	24	B													
21		24	7	24	B													
22		24	7	24	Y						2.17							
23		24	7	24	B				0.452		< 2					2.8		
24		24	7	24	Y		2.85				2.17	0.57	2.28					
25		24	7	24	Y						< 2							
26		24	7	24	B						2.13							
27		24	7	24	B													
28		24	7	24	B													
29		24	7	24	Y		H		H		H	H	H	H			H	
30		24	7	24	Y						< 2					1.95		
31		24	7	24	Y		2.22		4318	0.354	< 2	0.78	1.44					
Monthly Average Limit:												4			5.1			
Monthly Average:							3.116		4318	0.5022		1.173636	0.484	2.632	0	2.11		
Daily Maximum:							4.28		4318	1.11		3.56	0.78	3.73	0	2.8		
Daily Minimum:							2.22		4318	0.237		0	0	1.44	0	1.73		

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

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: 05-2023 (May 2023)

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****	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	ug/l
1		24	7	24	Y													
2		24	7	24	Y													
3		24	7	24	Y													
4		24	7	24	B													
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		< 2		< 0.15	3		2			< 0.5			10.1
11		24	7	24	B													
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	B													
24		24	7	24	Y													
25		24	7	24	Y													
26		24	7	24	B													
27		24	7	24	B													
28		24	7	24	B													
29		24	7	24	Y		H	H	H	H	H	H	H		H	H	H	H
30		24	7	24	Y													
31		24	7	24	Y													0.0015
Monthly Average Limit:																		
Monthly Average:							0		0	3		2			0		0.0015	10.1
Daily Maximum:							0		0	3		2			0		0.0015	10.1
Daily Minimum:							0		0	3		2			0		0.0015	10.1

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

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: 05-2023 (May 2023)

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****	TGP3B	01077	01059	01102	01152	01087	01092	
							Composite	Composite	Composite	Composite	Composite	Composite	Composite	
							CERI7DPF	SILVER	THALLIUM	TIN	TITANIUM	VANADIUM	ZINC	
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N		pass/fail	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									
4		24	7	24	B									
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			< 0.5					26	
11		24	7	24	B									
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	B									
24		24	7	24	Y									
25		24	7	24	Y									
26		24	7	24	B									
27		24	7	24	B									
28		24	7	24	B									
29		24	7	24	Y			H	H	H	H	H	H	
30		24	7	24	Y									
31		24	7	24	Y									
Monthly Average Limit:														
Monthly Average:								0						26
Daily Maximum:								0						26
Daily Minimum:								0						26

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

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: 05-2023 (May 2023)

VERSION: 1.0

STATUS: Submitted

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

Date	Composite Sample Time 2400	Total Composite Time Hrs	No Reporting Reason****	CO530	80082	CO610	CO665	80091	81011
				5 X week	5 X week				
				Composite	Composite	Composite	Composite	Composite	Composite
				TSS - Conc	CBOD 20C	NH3-N - Conc	TOTAL P - Conc	CBOD5-%R	TSS-%R
				mg/l	mg/l	mg/l	mg/l	percent	percent
1		24		185	292	18.7			
2		24		277	498	22.3	5.85		
3		24		260	387	22.5			
4		24		212	395	23.7			
5		24		372	431	21.9			
6		24							
7		24							
8		24		246	339	20.5			
9		24		285	306	22.6	6.53		
10		24		273	324	24.8			
11		24		258	338	24			
12		24		246	391	24.9			
13		24							
14		24							
15		24		340	369	23.2			
16		24		287	286	22.3	6.28		
17		24		238	443	22.3			
18		24		296	405	25.1			
19		24		356	477	24.9			
20		24							
21		24							
22		24		230	382	22.3			
23		24		277	326	21	6.28		
24		24		288	495	23.6			
25		24		342	500	22			
26		24		299	497	24.1			
27		24							
28		24							
29		24		H	H	H	H		
30		24		256	248	17.3			
31		24		237	317	20.6	6.36	99.694345	98.034861
Monthly Average Limit:									
Monthly Average:				275.454545	383.909091	22.481818	6.26	99.694345	98.034861
Daily Maximum:				372	500	25.1	6.53	99.694345	98.034861
Daily Minimum:				185	248	17.3	5.85	99.694345	98.034861

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

NPDES PERMIT NO.: NC0047384  
FACILITY NAME: T.Z. Osborne WWTP  
OWNER NAME: City of Greensboro  
GRADE: WW-4  
eDMR PERIOD: 05-2023 (May 2023)  
COMPLIANCE STATUS: Compliant

PERMIT VERSION: 4.0  
CLASS: WW-4  
ORC: Bradley Todd Flynt  
ORC HAS CHANGED: No  
VERSION: 1.0  
CONTACT PHONE #: 4337262

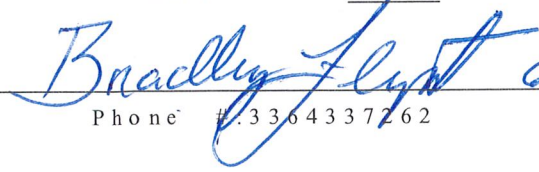
PERMIT STATUS: Expired  
COUNTY: Guilford  
ORC CERT NUMBER: 27171  
STATUS: Submitted  
SUBMISSION DATE: 06/28/2023

Electronically Certified by Bradley Todd Flynt on 2023-06-26 10:44:06.333

ORC / Certifier Signature: Bradley Todd Flynt

Phone: 336 433 7262

Date

 6-29-23

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 2023-06-28 08:08:37.31

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

Phone #: 336-373-4632

Date

 6/29/2023

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).

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: 05-2023 (May 2023)

VERSION: 1.0

STATUS: Submitted

**Report Comments:**

Data Qualifications - Blank depleted >0.20 mg/l on 5/1-3/2023 and 5/23-24/2023. TZO influent ammonia was preserved out of the 15 minute hold time because of operations issues in the field. Duplicate for total phosphorus on 5/16 was >20% (25.3%) but all other QA/QC was in range. The chlorine result on 5/25 of 28 ug/l was the result of two samples, a 54 ug/l and a 2 ug/l. For ultra low chlorine samples 5/17-19/2023, we had to use an expired lot number for the standard because the new box we opened was not in range for calibration and we were running low on buffer and indicator. There has been a delay in getting these products in a timely manner and we had to use our best professional judgement to ensure the samples were run and we had enough until the new shipment arrived. The chlorine standard was >10% on 5/22.