

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: 07-2021 (July 2021)

VERSION: 2.0

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	QM600	
							Continuous	5 X week	5 X week	5 X week	5 X week	2 X week	2 X week	5 X week	Monthly	
							Recorder	Grab	Grab	Grab	Composite	Composite	Grab	Grab	Calculated	
	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		31.37	27.1	7.7	< 14	< 0.1	< 2.5	2	7.52		
2		24	7	24	Y		32.54	27	7.9	< 14	< 0.1	< 2.5	8.4	7.59		
3		24	7	24	B		28.75									
4		24	7	24	B		27.04									
5		24	7	24	B		28.92	H	H	H	H	H	H	H		
6		24	7	24	Y		31.04	26.7	7.6	< 14	< 0.1	< 2.5	1.41	7.62		
7		24	7	24	Y		31.03	26.9	7.6	< 14	< 0.1	< 2.5	1	7.62		
8		24	7	24	Y		31.27	27.1	7.6	< 14	< 0.1	< 2.5		7.47		
9		24	7	24	Y		28.29	27	7.7	< 14	< 0.1	< 2.5	2	7.5		
10		24	7	24	B		30.04									
11		24	7	24	B		29.65									
12		24	7	24	Y		29.63	27.3	7.8	< 14	< 0.1	< 2.5	2.5	7.5		
13		24	7	24	Y		32.03	27.3	7.7	< 14	< 0.1	2.55	8.5	7.49		
14		24	7	24	Y		33.13	27.4	7.7	< 14	< 0.1	< 2.5	2	7.45		
15		24	7	24	Y		31.67	27.4	7.8	< 14	< 0.1	< 2.5	12.2	7.46		
16		24	7	24	Y		31.38	27.7	7.8	< 14	< 0.1	< 2.5	17.5	7.4		
17		24	7	24	B		32.76									
18		24	7	24	B		33.4									
19		24	7	24	Y		48.72	27.1	7.7	< 14	< 0.1	< 2.5	40.6	7.59		
20		24	7	24	Y		35.53	25.5	7.6	< 14	0.935	9.83	4.1	7.61		
21		24	7	24	Y		37.08	26.3	7.7	< 14	0.365	< 2.5	5.2	7.72		
22		24	7	24	Y		32.01	26.8	7.8	< 14	< 0.1	< 2.5	34.5	7.62		
23		24	7	24	Y		32.12	26.8	7.8	< 14	< 0.1	< 2.5	8.4	7.75		
24		24	7	24	B		30.44									
25		24	7	24	B		30.1									
26		24	7	24	Y		32.29	27.6	7.8	< 14	0.1	< 2.5	36.2	7.54		
27		24	7	24	Y		30.7	27.6	7.8	< 14	< 0.1	< 2.5	17.6	7.44		
28		24	7	24	Y		30.69	27.8	7.8	< 14	< 0.1	< 2.5	7.3	7.43		
29		24	7	24	Y		30.14	28	7.8	< 14	< 0.1	< 2.5	12.1	7.46		
30		24	7	24	B		31.06	28.4	7.8	< 14	< 0.1	< 2.5	4.1	7.31		
31		24	7	24	B		29.14								38160.504	
Monthly Average Limit:							40				2	30	200			
Monthly Average:							31.740645	27.180952		0	0.066667	0.589524	6.603794	7.528095	38160.504	
Daily Maximum:							48.72	28.4	7.9	0	0.935	9.83	40.6	7.75	38160.504	
Daily Minimum:							27.04	25.5	7.6	0	0	0	1	7.31	38160.504	

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

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GRADE: WW-4

ORC HAS CHANGED: No

eDMR PERIOD: 07-2021 (July 2021)

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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****	QY600	CO600	QY665	QM665	CO665	82388	80082	01042	00630	00625	TGP3B		
							Annually	Weekly	Annually	Monthly	Weekly	Weekly	2 X week	Quarterly	Weekly	Weekly	Quarterly		
							Calculated	Composite	Calculated	Calculated	Composite	Grab	Composite	Composite	Composite	Composite	Composite		
							TOTAL N -	TOTAL N -	Total P - Qty	Total P - Qty	TOTAL P -	14DIOXAN	CBOD 20C	COPPER	NO2&NO3	TOT KJEL	CERI7DPF		
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N	lbs/yr	mg/l	lbs/yr	lb/mon	mg/l	ug/l	mg/l	ug/l	mg/l	mg/l	mg/l	pass/fail		
1		24	7	24	Y								<2						
2		24	7	24	Y					2.65			<2						
3		24	7	24	B														
4		24	7	24	B														
5		24	7	24	B														
6		24	7	24	Y						H		H		H		H		
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														
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														
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														
31		24	7	24	B														
Monthly Average Limit:																			
Monthly Average:																			
Daily Maximum:																			
Daily Minimum:																			

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ORC: Bradley Todd Flynt

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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****	01147	01092	01097	01002	01012	01027	01034	01037	00720	00900	01051					
							Monthly	Quarterly														
							Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Grab	Composite	Composite	
							Se-TOTAL	ZINC	ANTIMONY	As-TOTAL	BERYLIUM	CADMIUM	Cr-TOTAL	COBALT	CN-TOT	TOT HARD	LEAD					
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	mg/l	ug/l						
1		24	7	24	Y																	
2		24	7	24	Y																	
3		24	7	24	B																	
4		24	7	24	B																	
5		24	7	24	B		H	H	H	H	H	H	H	H	H		H					
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																	
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		< 1	26	0.9	2	< 0.5	< 0.15	2	< 2	< 20	84	< 0.5					
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																	
31		24	7	24	B																	
Monthly Average Limit:							5.2															
Monthly Average:							0	26	0.9	2	0	0	2	0	0	84	0					
Daily Maximum:							0	26	0.9	2	0	0	2	0	0	84	0					
Daily Minimum:							0	26	0.9	2	0	0	2	0	0	84	0					

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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: 07-2021 (July 2021)

VERSION: 2.0

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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***	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	ug/l
1		24	7	24	Y								
2		24	7	24	Y								
3		24	7	24	B								
4		24	7	24	B								
5		24	7	24	B		H	H	H	H	H	H	H
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		0.033						
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			7	< 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								
31		24	7	24	B								
Monthly Average Limit:													
Monthly Average:							0.033	7	0		0	0	0
Daily Maximum:							0.033	7	0		0	0	0
Daily Minimum:							0.033	7	0		0	0	0

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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: 07-2021 (July 2021)

VERSION: 2.0

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		229	403	28.5			
2		24		261	435	25.8	7.6		
3		24							
4		24							
5		24		H	H	H	H		
6		24		232	333	16.1	9.19		
7		24		259	414	26.3			
8		24		288	434	28			
9		24		271	482	28			
10		24							
11		24							
12		24		228	341	19.3			
13		24		221	415	17.9			
14		24		554	409	27.8			
15		24		320	516	31.4	15.94		
16		24		223	402	27.6			
17		24							
18		24							
19		24		223	388	20.6	5.76		
20		24		225	252	13.3			
21		24		269	508	24.6			
22		24		221	460	20.7	7.94		
23		24		247	453	24.9			
24		24							
25		24							
26		24		204	376	19.4	7.24		
27		24		261	391	19.7			
28		24		261	422	27.2			
29		24		279	546	28.3			
30		24		256	653	25.8			
31		24						99.808391	99.776264
Monthly Average Limit:									
Monthly Average:				263.428571	430.142857	23.866667	8.945	99.808391	99.776264
Daily Maximum:				554	653	31.4	15.94	99.808391	99.776264
Daily Minimum:				204	252	13.3	5.76	99.808391	99.776264

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FACILITY NAME: T.Z. Osborne WWTP  
OWNER NAME: City of Greensboro  
GRADE: WW-4  
eDMR PERIOD: 07-2021 (July 2021)  
COMPLIANCE STATUS: Compliant

PERMIT VERSION: 4.0  
CLASS: WW-4  
ORC: Bradley Todd Flynt  
ORC HAS CHANGED: No  
VERSION: 2.0  
CONTACT PHONE #: 433-7262

PERMIT STATUS: Expired  
COUNTY: Guilford  
ORC CERT NUMBER: 27171  
STATUS: Submitted  
SUBMISSION DATE: 01/19/2022

Electronically Certified by Bradley Todd Flynt on 2022-01-19 09:24:21.534

ORC / Certifier Signature: Bradley Todd Flynt

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 2022-01-19 13:45:04.518

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:**

AMENDED eDMR to add delayed effluent mercury result. Meritech Lab collects/analyzes the TZ Osborne Low Level Mercury samples and their instrument was inoperable for several months beginning in July 2021. The July sample was outsourced to another lab and the TZ Osborne POTW was one of several that received unusually elevated results. However, Meritech did re-run the sample out of hold time when they received their new instrument and the result was comparable.

Data Qualifications-CBOD: Glucose/Glutamic Acid standard out of range on 7/6-7/9, 7/12, 7/16, pH not adjusted on 7/12 sample; TSS: RPD >20% on 7/12, 7/21, 7/27 but all values were <2.5 mg/l; The commercial laboratory has been asked to investigate the low-level mercury sample collected 7/12 as the field blank result as well as the effluent result were elevated.