

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: 12-2021 (December 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	5 X week	5 X week	5 X week	5 X week	5 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		27.27	20.3	7.6	< 14	< 0.1	< 2.5	6.3	8.67	7.6			
2		24	7	24	Y		28.93	20.8	7.7	< 14	< 0.1	2.5	8.4	8.63				
3		24	7	24	Y		29.51	21.3	7.7	< 14	< 0.1	< 2.5	6.3	8.48				
4		24	7	24	B		27.92											
5		24	7	24	B		27.44											
6		24	7	24	Y		29.86	21.6	7.6	< 14	< 0.1	< 2.5	3.55	8.46				
7		24	7	24	Y		28.34	20.4	7.6	< 14	< 0.1	< 2.5	5.2	8.49				
8		24	7	24	Y		29.96	20.1	7.6	< 14	< 0.1	< 2.5	7.5	8.56	6.04			
9		24	7	24	Y		28.32	20.3	7.8	< 14	< 0.1	< 2.5	3.1	8.65				
10		24	7	24	Y		27.41	20.4	7.8	< 14	< 0.1	2.5	8.4	8.62				
11		24	7	24	B		29.36											
12		24	7	24	B		29.76											
13		24	7	24	Y		29.05	19.4	7.7	< 14	< 0.1	< 2.5	2	8.83				
14		24	7	24	Y		27.89	19.3	7.7	< 14	< 0.1	< 2.5	< 1	8.9				
15		24	7	24	B		29.74	19.6	7.7	< 14	< 0.1	< 2.5	25.9	8.82	5.72			
16		24	7	24	B		28.99	19.8	7.7	< 14	< 0.1	< 2.5	387.3	8.73				
17		24	7	24	Y		30.95	20.8	7.8	< 14	< 0.1	< 2.5	> 2419.6	8.63				
18		24	7	24	Y		29.28											
19		24	7	24	Y		33.05											
20		24	7	24	Y		29.84	19.6	7.7	< 14	< 0.1	< 2.5	> 2419.6	8.79				
21		24	7	24	Y		29.24	19.8	7.6	< 14	< 0.1	< 2.5	12.1	8.73	6.36			
22		24	7	24	Y		30.9	19.3	7.6	< 14	< 0.1	< 2.5	5.2	8.87				
23		24	7	24	B		28.36	H	H	H	H	H	H	H	H			
24		24	7	24	B		27.49	H	H	H	H	H	H	H	H			
25		24	7	24	B		25.44											
26		24	7	24	B		26.74											
27		24	7	24	B		28.22	H	H	H	H	H	H	H	H			
28		24	7	24	Y		29.81	19.4	7.5	< 14	< 0.1	< 2.5	< 1	8.89	9.7			
29		24	7	24	Y		29.36	20.5	7.7	< 14	< 0.1	< 2.5	2	8.69				
30		24	7	24	B		29.46	20.9	7.7	< 14	< 0.1	< 2.5	3	8.59				
31		24	7	24	B		29.82	H	H	H	H	H	H	H	H			
Monthly Average Limit:							56				4	30	200					
Monthly Average:							28.958387	20.189474		0	0	0.263158	10.92062	8.685789	7.084			
Daily Maximum:							33.05	21.6	7.8	0	0	2.5	2419.6	8.9	9.7			
Daily Minimum:							25.44	19.3	7.5	0	0	0	0	8.46	5.72			

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

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Date	Composite Sample Time	Total Composite Time	Operator Arrival Time	Operator Time On Site	ORC On Site***	No Reporting Reason****	QY600	QM600	CO665	QM665	QY665	82388	80082	00630	00625	01147	01097	
							Annually	Monthly	Weekly	Monthly	Annually	Weekly	5 X week	Weekly	Weekly	Monthly		
							Calculated	Calculated	Composite	Calculated	Calculated	Grab	Composite	Composite	Composite	Composite	Composite	
							TOTAL N -	TOTAL N -	TOTAL P -	Total P - Qty	Total P - Qty	14DIOXAN	CBOD 20C	NO2&NO3	TOT KJEL	Se-TOTAL	ANTIMONY	
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N	lbs/yr	lb/mon	mg/l	lb/mon	lbs/yr	ug/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	
1		24	7	24	Y							< 2	4.4	3.2				
2		24	7	24	Y							2.4						
3		24	7	24	Y							2.42						
4		24	7	24	B													
5		24	7	24	B													
6		24	7	24	Y							2.88						
7		24	7	24	Y			0.275			2.92	< 2						
8		24	7	24	Y							< 2	3.03	3.01	< 1			
9		24	7	24	Y							< 2						
10		24	7	24	Y							2.27						
11		24	7	24	B													
12		24	7	24	B													
13		24	7	24	Y							< 2						
14		24	7	24	Y			0.303			1.98	< 2						
15		24	7	24	B							< 2	2.98	2.74				
16		24	7	24	B							< 2						
17		24	7	24	Y							2.01						
18		24	7	24	Y													
19		24	7	24	Y													
20		24	7	24	Y							< 2						
21		24	7	24	Y			0.284			2.59	< 2	3.16	3.2				
22		24	7	24	Y							< 2						
23		24	7	24	B			H				H	H	H	H	H	H	
24		24	7	24	B			H				H	H	H	H	H	H	
25		24	7	24	B													
26		24	7	24	B													
27		24	7	24	B			H				H	H	H	H	H	H	
28		24	7	24	Y			0.131			0.56	< 2	7.78	1.92				
29		24	7	24	Y							< 2						
30		24	7	24	B							< 2						
31		24	7	24	B		587178	53006.6714	H	1857	106557	H	H	H	H	H	H	
Monthly Average Limit:												8			5.1			
Monthly Average:							587178	53006.6714	0.24825	1857	106557	2.0125	0.630526	4.27	2.814	0		
Daily Maximum:							587178	53006.6714	0.303	1857	106557	2.92	2.88	7.78	3.2	0		
Daily Minimum:							587178	53006.6714	0.131	1857	106557	0.56	0	2.98	1.92	0		

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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													
4		24	7	24	B													
5		24	7	24	B													
6		24	7	24	Y													
7		24	7	24	Y													
8		24	7	24	Y		< 2		< 0.15	3		< 2			< 0.5			15
9		24	7	24	Y													
10		24	7	24	Y													
11		24	7	24	B													
12		24	7	24	B													
13		24	7	24	Y													
14		24	7	24	Y													
15		24	7	24	B											0.0022		
16		24	7	24	B													
17		24	7	24	Y													
18		24	7	24	Y													
19		24	7	24	Y													
20		24	7	24	Y													
21		24	7	24	Y													
22		24	7	24	Y													
23		24	7	24	B		H	H	H	H	H	H	H		H	H	H	H
24		24	7	24	B		H	H	H	H	H	H	H		H	H	H	H
25		24	7	24	B													
26		24	7	24	B													
27		24	7	24	B		H	H	H	H	H	H	H		H	H	H	H
28		24	7	24	Y													
29		24	7	24	Y													
30		24	7	24	B													
31		24	7	24	B		H	H	H	H	H	H	H		H	H	H	H
Monthly Average Limit:																		
Monthly Average:							0		0	3		0			0	0.0022	15	
Daily Maximum:							0		0	3		0			0	0.0022	15	
Daily Minimum:							0		0	3		0			0	0.0022	15	

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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***	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	B									
6		24	7	24	Y									
7		24	7	24	Y									
8		24	7	24	Y			< 0.5					58	
9		24	7	24	Y									
10		24	7	24	Y									
11		24	7	24	B									
12		24	7	24	B									
13		24	7	24	Y									
14		24	7	24	Y									
15		24	7	24	B									
16		24	7	24	B									
17		24	7	24	Y									
18		24	7	24	Y									
19		24	7	24	Y									
20		24	7	24	Y									
21		24	7	24	Y									
22		24	7	24	Y									
23		24	7	24	B			H	H	H	H	H	H	
24		24	7	24	B			H	H	H	H	H	H	
25		24	7	24	B									
26		24	7	24	B									
27		24	7	24	B			H	H	H	H	H	H	
28		24	7	24	Y									
29		24	7	24	Y									
30		24	7	24	B									
31		24	7	24	B			H	H	H	H	H	H	
Monthly Average Limit:														
Monthly Average:								0						58
Daily Maximum:								0						58
Daily Minimum:								0						58

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

Date	Composite Sample Time	Total Composite Time	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
	2400	Hrs		mg/l	mg/l	mg/l	mg/l	percent	percent
1		24		300	415	25.7			
2		24		304	523	23.8			
3		24		300	432	22.2			
4		24							
5		24							
6		24		245	298	20.9			
7		24		261	312	20.9	8.44		
8		24		267	441	21.2			
9		24		275	500	23.1			
10		24		256	456	22.4			
11		24							
12		24							
13		24		249	273	20.7			
14		24		281	376	20	7.3		
15		24		294	486	29.5			
16		24		319	342	20.6			
17		24		293	393	20.3			
18		24							
19		24							
20		24		209	243	17.7			
21		24		279	282	18.9	5.64		
22		24		259	470	21			
23		24		H	H	H	H		
24		24		H	H	H	H		
25		24							
26		24							
27		24		H	H	H	H		
28		24		322	349	22.9	8.63		
29		24		326	357	22.5			
30		24		280	394	21.2			
31		24		H	H	H	H	99.836858	99.905974
Monthly Average Limit:									
Monthly Average:				279.947368	386.421053	21.868421	7.5025	99.836858	99.905974
Daily Maximum:				326	523	29.5	8.63	99.836858	99.905974
Daily Minimum:				209	243	17.7	5.64	99.836858	99.905974

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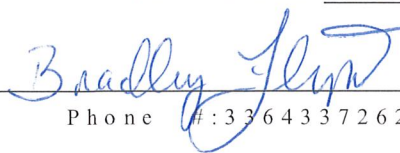
STATUS: Submitted

COMPLIANCE STATUS: Compliant

CONTACT PHONE #: 433-7262

SUBMISSION DATE: 01/29/2022

Electronically Certified by Bradley Todd Flynt on 2022-01-28 15:22:13.836



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 2022-01-29 10:50:20.531



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 standard out of range on 12/30; Dilution water depleted > 0.20 mg/l on 12/7, 12/8, 12/10, 12/30. Total Phosphorus: TZO effluent duplicate RPD >30% on 12/21. CY2021 TN and TP Nutrient Report has been uploaded along with the eDMR.

