

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: 09-2022 (September 2022)

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	QY600		
		2400 clock	Hrs	2400 clock	Hrs				Y/B/N	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	Annually
		Recorder	Grab	Grab	Grab				Composite	Composite	Grab	Grab	Calculated						
									FLOW	TEMP-C	pH	CHLORINE	NH3-N - Conc	TSS - Conc	FCOLIBR	DO	TOTAL N - Qty		
									mgd	deg c	su	ug/l	mg/l	mg/l	#/100ml	mg/l	lbs/yr		
1		24	7	24	7	24	Y		31.31	28.3	7.7	< 14	0.103	3.87	6.3	7.33			
2		24	7	24	7	24	Y		30.11	28	7.8	< 14	< 0.1	3.87	6.3	7.52			
3		24	7	24	7	24	B		29.32										
4		24	7	24	7	24	B		28.6										
5		24	7	24	7	24	Y		32.76	H	H	H	H	H	H	H			
6		24	7	24	7	24	Y		34.19	28.5	7.6	< 14	< 0.1	3.75	2	7.28			
7		24	7	24	7	24	Y		31.92	28.1	7.5	< 14	< 0.1	3.2	1	7.5			
8		24	7	24	7	24	Y		31.27	28.3	7.7	< 14	< 0.1	3.47	18.9	7.65			
9		24	7	24	7	24	Y		30.86	28	7.1	< 14	< 0.1	3.47	13.4	7.32			
10		24	7	24	7	24	B		36.99										
11		24	7	24	7	24	B		32.86										
12		24	7	24	7	24	Y		33.42	28	7.7	< 14	0.103	< 2.5	23.9	7.31			
13		24	7	24	7	24	Y		31.13	27.8	7.7	< 14	< 0.1	3.1	6.3	7.36			
14		24	7	24	7	24	Y		31.51	27.5	7.7	< 14	< 0.1	4.8	58.3	7.04			
15		24	7	24	7	24	Y		31.21	27.1	7.6	< 14	< 0.1	5.07	38.4	7.45			
16		24	7	24	7	24	Y		29.53	27.3	7.5	< 14	< 0.1	6.33	187.2	7.69			
17		24	7	24	7	24	B		30.38										
18		24	7	24	7	24	B		29.23										
19		24	7	24	7	24	Y		30.12	27.1	7.7	25	0.106	6.2	26.4	7.63			
20		24	7	24	7	24	Y		29.15	27.6	7.6	29	< 0.1	4.73	3	7.54			
21		24	7	24	7	24	Y		30.92	27.6	7.6	< 14	< 0.1	4.94	9.6	7.52			
22		24	7	24	7	24	Y		30.71	28	7.6	< 14	< 0.1	5.8	3.1	7.28			
23		24	7	24	7	24	Y		30.3	27.1	7.7	< 14	< 0.1	4.6	14.6	7.41			
24		24	7	24	7	24	B		30.5										
25		24	7	24	7	24	B		28.55										
26		24	7	24	7	24	Y		30.46	26.8	7.6	< 14	0.119	4.47	29.5	7.55			
27		24	7	24	7	24	Y		31.24	26.8	7.6	< 14	< 0.1	4	2	7.37			
28		24	7	24	7	24	Y		31.2	26	7.7	< 14	< 0.1	4.2	17.3	7.51			
29		24	7	24	7	24	Y		29.94	25.7	7.7	< 14	< 0.1	4.8	7.5	7.52			
30		24	7	24	7	24	Y		36.92	25.6	7.8	< 14	< 0.1	4	7.5	7.56			
Monthly Average Limit:									56				2	30	200				
Monthly Average:									31.220333	27.390476		2.571429	0.020524	4.222381	10.447263	7.444762			
Daily Maximum:									36.99	28.5	7.8	29	0.119	6.33	187.2	7.69			
Daily Minimum:									28.55	25.6	7.1	0	0	0	1	7.04			

**** 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 Arrival Time	Operator Time On Site	ORC On Site***	No Reporting Reason****	CO600	QM600	CO665	QY665	QM665	82388	80082	00630	00625	01147	01097	
							Weekly	Monthly	Weekly	Annually	Monthly	Weekly	5 X week	Weekly	Weekly	Monthly		
							Composite	Calculated	Composite	Calculated	Calculated	Grab	Composite	Composite	Composite	Composite	Composite	
							TOTAL N -	TOTAL N -	TOTAL P -	Total P - Qty	Total P - Qty	4DIOXAN	CBOD 20C	NO2&NO3	TOT KJEL	Se-TOTAL	ANTIMONY	
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N	mg/l	lb/mon	mg/l	lbs/yr	lb/mon	ug/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	
1		24	7	24	Y			1.14				< 2						
2		24	7	24	Y							< 2						
3		24	7	24	B													
4		24	7	24	B													
5		24	7	24	Y		H	H				H	H	H	H	H	H	
6		24	7	24	Y			0.707			3.32	< 2						
7		24	7	24	Y		4.99					< 2	3.2	1.79	1			
8		24	7	24	Y							< 2						
9		24	7	24	Y							< 2						
10		24	7	24	B													
11		24	7	24	B													
12		24	7	24	Y							< 2						
13		24	7	24	Y			0.455			2.69	< 2						
14		24	7	24	Y		3.91					< 2	1.87	2.04				
15		24	7	24	Y							< 2						
16		24	7	24	Y							< 2						
17		24	7	24	B													
18		24	7	24	B													
19		24	7	24	Y							< 2						
20		24	7	24	Y						4.28	< 2						
21		24	7	24	Y		5.62					< 2	2.23	3.39				
22		24	7	24	Y			1.58				< 2						
23		24	7	24	Y							< 2						
24		24	7	24	B													
25		24	7	24	B													
26		24	7	24	Y							2.57						
27		24	7	24	Y			0.352			2.47	< 2						
28		24	7	24	Y		4.09					< 2	1.8	2.29				
29		24	7	24	Y							< 2						
30		24	7	24	Y						6616	< 2						
Monthly Average Limit:												4				5.1		
Monthly Average:							4.6525	36322.2846	0.8468		6616	3.19	0.122381	2.275	2.3775	1		
Daily Maximum:							5.62	36322.2846	1.58		6616	4.28	2.57	3.2	3.39	1		
Daily Minimum:							3.91	36322.2846	0.352		6616	2.47	0	1.8	1.79	1		

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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	
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N	Composite	Composite	Composite			Composite	Composite	Composite	Grab	Composite	Composite	Composite	Grab	Composite	Grab	Composite	
	As-TOTAL	BERYLIUM	CADMIUM	Cr-TOTAL	COBALT	COPPER	CN-TOT	TOT HARD			LEAD	MERCURY -	NICKEL	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	mg/l	ug/l	ug/l
1	24	7	24	7	Y																	
2	24	7	24	7	Y																	
3	24	7	24	7	B																	
4	24	7	24	7	B																	
5	24	7	24	7	Y	H	H	H	H	H	H	H	H	H	H	H			H	H	H	
6	24	7	24	7	Y																	
7	24	7	24	7	Y	<2		<0.15	<2		<2								<0.5			10
8	24	7	24	7	Y																	
9	24	7	24	7	Y																	
10	24	7	24	7	B																	
11	24	7	24	7	B																	
12	24	7	24	7	Y																	
13	24	7	24	7	Y																	
14	24	7	24	7	Y																	
15	24	7	24	7	Y																	
16	24	7	24	7	Y																	
17	24	7	24	7	B																	
18	24	7	24	7	B																	
19	24	7	24	7	Y																	
20	24	7	24	7	Y																	
21	24	7	24	7	Y																	
22	24	7	24	7	Y																	
23	24	7	24	7	Y																	
24	24	7	24	7	B																	
25	24	7	24	7	B																	
26	24	7	24	7	Y																	
27	24	7	24	7	Y																	
28	24	7	24	7	Y																	
29	24	7	24	7	Y																0.0029	
30	24	7	24	7	Y																	
Monthly Average Limit:																						
Monthly Average:											0		0	0		0			0	0.0029	10	
Daily Maximum:											0		0	0		0			0	0.0029	10	
Daily Minimum:											0		0	0		0			0	0.0029	10	

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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				
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N		CERI7DPF	SILVER	THALLIUM	TIN	TITANIUM	VANADIUM	ZINC				
							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	B												
4		24	7	24	B												
5		24	7	24	Y			H	H	H	H	H	H				
6		24	7	24	Y												
7		24	7	24	Y			< 0.5					38				
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	Y												
Monthly Average Limit:																	
Monthly Average:								0						38			
Daily Maximum:								0						38			
Daily Minimum:								0						38			

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GRADE: WW-4

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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		292	306	20.2	15.4		
2		24		304	370	22.4			
3		24							
4		24							
5		24		H	H	H	H		
6		24		290	271	20.5	7.26		
7		24		430	299	18.8			
8		24		388	294	25.4			
9		24		286	336	21.1			
10		24							
11		24							
12		24		240	321	20.5			
13		24		277	327	22	6.97		
14		24		287	387	25.9			
15		24		357	358	26.5			
16		24		364	434	24.8			
17		24							
18		24							
19		24		518	414	27.1			
20		24		376	273	22.7			
21		24		391	286	26.5			
22		24		500	376	27.7	10.87		
23		24		390	389	24.8			
24		24							
25		24							
26		24		297	339	25			
27		24		270	341	24.2	15.89		
28		24		286	363	24.3			
29		24		423	462	28.6			
30		24		373	326	24.9		99.964662	98.791934
Monthly Average Limit:									
Monthly Average:				349.47619	346.285714	23.995238	11.278	99.964662	98.791934
Daily Maximum:				518	462	28.6	15.89	99.964662	98.791934
Daily Minimum:				240	271	18.8	6.97	99.964662	98.791934

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STATUS: Submitted

COMPLIANCE STATUS: Compliant

CONTACT PHONE #: 4337262

SUBMISSION DATE: 10/28/2022

Electronically Certified by Bradley Todd Flynt on 2022-10-28 07:42:49.032

Bradley Flynt 10/31/22
Signature: Bradley Todd Flynt Phone #: 3364337262 Date

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 2022-10-28 08:29:15.25

Elijah Williams 10/31/2022
Signature: ***Elijah Lamont Williams Phone #: 336-373-4632 Date

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 - Glucose/Glutamic Acid standard out of range on 9/26; Blank used up >0.20 on 9/2 and 9/12. A separate blank had to be set up for NB Inf. on 9/29 due to delayed sample delivery and used >0.20. The required 30 min. run time for all the other samples would have been exceeded. NB Inf. is run daily to calculate the correct loading for the facility.