

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: 05-2024 (May 2024)

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	M400	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	FCOLIBR	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		33.27	23.4	7.5	< 14	< 0.1	7	5.2	7.81	3.96	
2		24	7	24	Y		31.51	22.8	7.6	< 14	< 0.1	6.44	7.5	8.47		
3		24	7	24	Y		33.42	24.6	7.5	< 14	< 0.1	6.94	2	8.14		
4		24	7	24	B		32.63									
5		24	7	24	B		42.63									
6		24	7	24	Y		36.05	23.4	7.5	< 14	< 0.1	7.07	1	8.06		
7		24	7	24	Y		39.59	23.2	7.5	< 14	< 0.1	4.89	6.3	8.22		
8		24	7	24	Y		36.68	23.8	7.6	< 14	< 0.1	4.39	8.6	8.12	2.85	
9		24	7	24	Y		37.08	24.2	7.6	< 14	< 0.1	6.07	84.2	8.1		
10		24	7	24	Y		33.91	24	7.6	< 14	< 0.1	5.8	19.5	8.1		
11		24	7	24	B		32.94									
12		24	7	24	B		32.02									
13		24	7	24	Y		33.64	23.1	7.6	< 14	< 0.1	4.45	7.9	8.29		
14		24	7	24	Y		50.87	23.5	7.7	< 14	< 0.1	3	2	8.43		
15		24	7	24	Y		66.14	22.1	7.3	< 14	1.05	153	260.3	8.79	6.09	
16		24	7	24	Y		42.45	22.2	7.6	< 14	0.129	7.4	77.1	8.45		
17		24	7	24	Y		43.44	23	7.6	< 14	< 0.1	4.22	35.9	8.49		
18		24	7	24	B		51.34									
19		24	7	24	B		52.09									
20		24	7	24	Y		40.09	22.5	7.7	37.3	< 0.1	4.71	16.5	8.66		
21		24	7	24	Y		36.84	22.9	7.5	23	< 0.1	5.87	16.8	8.18		
22		24	7	24	Y		37.13	23.9	7.7	< 14	< 0.1	5.57	435.2	8.55	4.18	
23		24	7	24	Y		35.56	24.2	7.7	< 14	< 0.1	7.59	57.6	8.25		
24		24	7	24	Y		33.63	24.5	7.6	< 14	0.121	8	32.3	8.23		
25		24	7	24	B		32.89									
26		24	7	24	B		31.97									
27		24	7	24	B		36.24	H	H	H	H	H	H	H	H	
28		24	7	24	Y		33.75	24.7	7.7	< 14	< 0.1	8.07	26.8	8.6		
29		24	7	24	Y		31.68	24.4	7.5	< 14	0.105	7.54		8.05	3.57	
30		24	7	24	Y		32.19	24.2	7.6	< 14	0.113	9.14	11	8.15		
31		24	7	24	Y		32.55	24	7.8	< 14	0.118	8.47	60.9	8.33		
Monthly Average Limit:							56				2	30	200			
Monthly Average:							37.942581	23.572727		2.740909	0.074364	12.983182	18.28263	8.294091	4.13	
Daily Maximum:							66.14	24.7	7.8	37.3	1.05	153	435.2	8.79	6.09	
Daily Minimum:							31.51	22.1	7.3	0	0	3	1	7.81	2.85	

*** 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 Out Site	ORC On Site**	No Reporting Reason****	QM600	QY600	CO665	QM665	QY665	80082	00630	00625	01147	82388	01097	
							Monthly	Annually	Weekly	Monthly	Annually	5 X week	Weekly	Weekly	Monthly			
							Calculated	Calculated	Composite	Calculated	Calculated	Composite	Composite	Composite	Composite	Grab	Composite	
TOTAL N -	TOTAL N -	TOTAL P -	Total P - Qty	Total P - Qty	CBOD 20C	NO2&NO3	TOT KJEL	Se-TOTAL	14DIOXAN	ANTIMONY								
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N		lb/mon	lbs/yr	mg/l	lb/mon	lbs/yr	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	
1		24	7	24	Y							<2	0.65	3.31				
2		24	7	24	Y							<2						
3		24	7	24	Y							2.28						
4		24	7	24	B													
5		24	7	24	B													
6		24	7	24	Y							2.46						
7		24	7	24	Y				0.282			<2					1.54	
8		24	7	24	Y							<2	0.26	2.59	<5			
9		24	7	24	Y							<2						
10		24	7	24	Y							<2						
11		24	7	24	B													
12		24	7	24	B													
13		24	7	24	Y							<2						
14		24	7	24	Y				0.521			<2					6.17	
15		24	7	24	Y							21.6	0.66	5.43				
16		24	7	24	Y							2.45						
17		24	7	24	Y							<2						
18		24	7	24	B													
19		24	7	24	B													
20		24	7	24	Y							<2						
21		24	7	24	Y				0.262			<2					1.72	
22		24	7	24	Y							<2	0.84	3.34				
23		24	7	24	Y							2.67						
24		24	7	24	Y							2.65						
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				0.853			<2					6.85	
29		24	7	24	Y							2.3	1.37	2.2				
30		24	7	24	Y							<2						
31		24	7	24	Y		40513.2680			4709		<2						
Monthly Average Limit:												4			5.1			
Monthly Average:							40513.2680		0.4795	4709		1.655	0.756	3.374	0	4.07		
Daily Maximum:							40513.2680		0.853	4709		21.6	1.37	5.43	0	6.85		
Daily Minimum:							40513.2680		0.262	4709		0	0.26	2.2	0	1.54		

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SAMPLING LOCATION: EFFLUENT DISCHARGE NO.: 001 NO DISCHARGE*: NO (Continue)

Date	Composite Sample Time 2400 clock	Total Composite Time Hrs	Operator Arrival Time 2400 clock	Operator Time On Site Hrs	ORC On Site** Y/B/N	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	
							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	B													
6		24	7	24	Y													
7		24	7	24	Y													
8		24	7	24	Y		< 2		< 0.5	< 5		2.09			< 2			8.33
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	Y													
16		24	7	24	Y													
17		24	7	24	Y													
18		24	7	24	B													
19		24	7	24	B													
20		24	7	24	Y													
21		24	7	24	Y												0.002	
22		24	7	24	Y													
23		24	7	24	Y													
24		24	7	24	Y													
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	Y													
31		24	7	24	Y													
Monthly Average Limit:																		
Monthly Average:							0		0	0		2.09			0	0.002	8.33	
Daily Maximum:							0		0	0		2.09			0	0.002	8.33	
Daily Minimum:							0		0	0		2.09			0	0.002	8.33	

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SAMPLING LOCATION: EFFLUENT DISCHARGE NO.: 001 NO DISCHARGE*: NO (Continue)

Date	Composite Sample Time 2400 clock	Total Composite Time Hrs	Operator Arrival Time 2400 clock	Operator Time On Site Hrs	ORC On Site: ** Y/B/N	No Reporting Reason ***	TGP3B	01077	01059	01102	01152	01087	01092	
							Composite	Composite	Composite	Composite	Composite	Composite	Composite	
							CER/DFP	SILVER	THALLIUM	TIN	TITANIUM	VANADIUM	ZINC	
	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									
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		< 1						33.9	
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	Y									
16		24	7	24	Y									
17		24	7	24	Y									
18		24	7	24	B									
19		24	7	24	B									
20		24	7	24	Y									
21		24	7	24	Y									
22		24	7	24	Y									
23		24	7	24	Y									
24		24	7	24	Y									
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									
29		24	7	24	Y									
30		24	7	24	Y									
31		24	7	24	Y									
Monthly Average Limit:														
Monthly Average:								0						33.9
Daily Maximum:								0						33.9
Daily Minimum:								0						33.9

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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
				2 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		361	376	26			
2		24		369	381	24.8			
3		24		381	438	26.2			
4		24							
5		24							
6		24		257	237	17			
7		24		255	261	18.8	8.19		
8		24		413	458	20.4			
9		24		461	460	25.7			
10		24		369	439	20.5			
11		24							
12		24							
13		24		231	382	25.4			
14		24		333	360	24	15.08		
15		24		264	285	13.5			
16		24		186	267	13.4			
17		24		209	344	20.1			
18		24							
19		24							
20		24		200	232	13.6			
21		24		178	221	17.8	5.57		
22		24		244	310	23.1			
23		24		241	345	24.6			
24		24		228	298	25.7			
25		24							
26		24							
27		24		H	H	H	H		
28		24		231	260	20.6	11.75		
29		24		201	294	25.9			
30		24		421	375	27.3			
31		24		282	482	28		99.51	95.48
Monthly Average Limit:									
Monthly Average:				287.045455	341.136364	21.927273	10.1475	99.51	95.48
Daily Maximum:				461	482	28	15.08	99.51	95.48
Daily Minimum:				178	221	13.4	5.57	99.51	95.48

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COMPLIANCE STATUS: Compliant

CONTACT PHONE #: 4337262

SUBMISSION DATE: 06/24/2024

Electronically Certified by Bradley Todd Flynt on 2024-06-24 10:40:47.993

ORC/Certifier Signature: Bradley Todd Flynt

Phone #: 3364337262

Date

Bradley Flynt 6/25/24

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 2024-06-24 13:42:56.357

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 5/10, 5/14, 5/15, and 5/17; Blank depleted >0.20 mg/l on 5/2 & 5/9; G/G and blank out of range on 5/16, 5/28-29. Residual Chlorine on 5/20 was the average of 6 samples.