

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: 10-2021 (October 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	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		29.4	26.6	7.8	< 14	< 0.1	< 2.5	8.5	7.51				
2		24	7	24	B		28.95											
3		24	7	24	B		29.4											
4		24	7	24	Y		32.83	26.8	7.7	< 14	< 0.1	2.55	24.3	7.59				
5		24	7	24	Y		30.64	27	7.5	< 14	< 0.1	2.9	2	7.56				
6		24	7	24	Y		30.46	27.1	7.6	< 14	< 0.1	2.85	15.5	7.52				
7		24	7	24	Y		32.29	27.4	7.7	< 14	< 0.1	3.05	4.1	7.52				
8		24	7	24	Y		33.38	27.6	7.7	< 14	< 0.1	2.95	3.1	7.55				
9		24	7	24	B		32.76											
10		24	7	24	B		30.47											
11		24	7	24	Y		30.91	26.2	7.6	< 14	< 0.1	2.75	21	7.56				
12		24	7	24	B		31.7	26.4	7.7	17	< 0.1	2.75	1	7.58				
13		24	7	24	Y		32.48	26.2	7.5	< 14	< 0.1	3.1	2.9	7.42				
14		24	7	24	B		30.01	26.6	7.6	< 14	< 0.1	3.4	7.4	7.46				
15		24	7	24	Y		31.45	26.4	7.6	< 14	0.11	3.9	435.2	7.56				
16		24	7	24	B		29.6											
17		24	7	24	B		28.95											
18		24	7	24	Y		30.63	25.2	7.7	< 14	0.113	2.65	3.55	7.83				
19		24	7	24	Y		29.65	24.7	7.5	< 14	< 0.1	2.8	9.8	7.67				
20		24	7	24	Y		30.41	24.8	7.6	< 14	< 0.1	< 2.5	46.4	7.94				
21		24	7	24	Y		30.04	25.2	7.7	< 14	< 0.1	< 2.5	27.9	7.89				
22		24	7	24	Y		31.34	25.8	7.7	< 14	< 0.1	< 2.5	10.7	7.63				
23		24	7	24	B		28.8											
24		24	7	24	B		28.32											
25		24	7	24	Y		30.82	25.4	7.7	< 14	< 0.1	2.55	4.1	7.72				
26		24	7	24	Y		30.34	25.1	7.7	< 14	< 0.1	2.5	5.2	7.84				
27		24	7	24	Y		31.34	24.4	7.7	< 14	< 0.1	< 2.5	3.1	8.01				
28		24	7	24	Y		31.11	24.5	7.7	< 14	< 0.1	< 2.5	3	7.67				
29		24	7	24	Y		34.17	25.3	7.6	< 14	< 0.1	< 2.5	9.8	7.51				
30		24	7	24	B		30.68											
31		24	7	24	B		29.18								54574.2495			
Monthly Average Limit:							56				2	30	200					
Monthly Average:							30.726129	25.938095		0.809524	0.010619	1.938095	8.186018	7.644762	54574.2495			
Daily Maximum:							34.17	27.6	7.8	17	0.113	3.9	435.2	8.01	54574.2495			
Daily Minimum:							28.32	24.4	7.5	0	0	0	1	7.42	54574.2495			

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Date	Composite Sample Time	Total Composite Time	Operator Arrival Time	Operator Time On Site	ORC On Site?*	No Reporting Reason****	QV600	CO600	CO665	QV665	QM665	82388	80082	01042	00630	00625	TGP3B
							Annually	Weekly	Weekly	Annually	Monthly	Weekly	5 X week	Quarterly	Weekly	Weekly	Quarterly
							Calculated	Composite	Composite	Calculated	Calculated	Grab	Composite	Composite	Composite	Composite	Composite
							TOTAL N -	TOTAL N -	TOTAL P -	Total P - Qty	Total P - Qty	14DIOXAN	CBOD 20C	COPPER	NO2&NO3	TOT KJEL	CER17DPF
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N	lbs/yr	mg/l	mg/l	lbs/yr	lb/mon	ug/l	mg/l	ug/l	mg/l	mg/l	mg/l	pass/fail
1		24	7	24	Y							2.49					
2		24	7	24	B												
3		24	7	24	B												
4		24	7	24	Y							< 2					
5		24	7	24	Y							< 2					
6		24	7	24	Y		6.72				4.5	< 2		4.57	2.15		
7		24	7	24	Y			0.524				2.23					
8		24	7	24	Y							4.08					
9		24	7	24	B												
10		24	7	24	B												
11		24	7	24	Y			0.471				< 2					
12		24	7	24	B		7.71	0.505				< 2	< 2	4.09	3.62	0	
13		24	7	24	Y			0.593			5.73	< 2					
14		24	7	24	B							< 2					
15		24	7	24	Y							< 2					
16		24	7	24	B												
17		24	7	24	B												
18		24	7	24	Y							< 2					
19		24	7	24	Y							< 2					
20		24	7	24	Y		7.23				3.69	< 2		4.29	2.94		
21		24	7	24	Y			0.653				< 2					
22		24	7	24	Y							2.73					
23		24	7	24	B												
24		24	7	24	B												
25		24	7	24	Y			0.665				< 2					
26		24	7	24	Y			0.463				< 2					
27		24	7	24	Y		5.83	0.431				< 2		3.43	2.4		
28		24	7	24	Y			0.484			4.27	< 2					
29		24	7	24	Y			0.339				< 2					
30		24	7	24	B												
31		24	7	24	B					4075							
Monthly Average Limit:												4					
Monthly Average:							6.8725	0.5128		4075	4.5475	0.549048	0	4.095	2.7775	0	
Daily Maximum:							7.71	0.665		4075	5.73	4.08	0	4.57	3.62	0	
Daily Minimum:							5.83	0.339		4075	3.69	0	0	3.43	2.15	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***	01147	01092	01097	01002	01012	01027	01034	01037	00720	00900	01051					
							Monthly	Quarterly														
							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	B																	
3		24	7	24	B																	
4		24	7	24	Y																	
5		24	7	24	Y																	
6		24	7	24	Y																	
7		24	7	24	Y																	
8		24	7	24	Y																	
9		24	7	24	B																	
10		24	7	24	B																	
11		24	7	24	Y																	
12		24	7	24	B		< 1	30	1.3	< 2	< 0.5	< 0.15	2	< 2	< 20	148	< 0.5					
13		24	7	24	Y																	
14		24	7	24	B																	
15		24	7	24	Y																	
16		24	7	24	B																	
17		24	7	24	B																	
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																	
24		24	7	24	B																	
25		24	7	24	Y																	
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:							5.1															
Monthly Average:							0	30	1.3	0	0	0	2	0	0	148	0					
Daily Maximum:							0	30	1.3	0	0	0	2	0	0	148	0					
Daily Minimum:							0	30	1.3	0	0	0	2	0	0	148	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***	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	B								
3		24	7	24	B								
4		24	7	24	Y								
5		24	7	24	Y								
6		24	7	24	Y								
7		24	7	24	Y								
8		24	7	24	Y								
9		24	7	24	B								
10		24	7	24	B								
11		24	7	24	Y								
12		24	7	24	B			9.1	< 0.5		< 25	< 5	< 5
13		24	7	24	Y								
14		24	7	24	B								
15		24	7	24	Y								
16		24	7	24	B								
17		24	7	24	B								
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								
24		24	7	24	B								
25		24	7	24	Y		0.0015						
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:							0.0015	9.1	0		0	0	0
Daily Maximum:							0.0015	9.1	0		0	0	0
Daily Minimum:							0.0015	9.1	0		0	0	0

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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		298	353	24.42			
2		24							
3		24							
4		24		242	209	18.31			
5		24		277	230	18.84			
6		24		340	459	22.59			
7		24		363	296	23.54	9.64		
8		24		319	382	23.03			
9		24							
10		24							
11		24		284	236	18.45			
12		24		235	285	20.23	6.53		
13		24		253	259	22.65			
14		24		296	270	21.69			
15		24		304	254	22.11			
16		24							
17		24							
18		24		246	265	20.42			
19		24		244	282	19.6			
20		24		386	408	25.16			
21		24		271	303	25.11	8.07		
22		24		310	344	23.13			
23		24							
24		24							
25		24		263	289	23.32			
26		24		376	371	22.51	7.73		
27		24		283	417	27.09			
28		24		271	367	33.22			
29		24		321	337	21.67			
30		24							
31		24						99.825746	99.341746
Monthly Average Limit:									
Monthly Average:				294.380952	315.047619	22.742381	7.9925	99.825746	99.341746
Daily Maximum:				386	459	33.22	9.64	99.825746	99.341746
Daily Minimum:				235	209	18.45	6.53	99.825746	99.341746

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COMPLIANCE STATUS: Compliant

CONTACT PHONE #: 433-7262

SUBMISSION DATE: 01/19/2022

Electronically Certified by Bradley Todd Flynt on 2022-01-19 09:25:49.166

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 2022-01-19 13:47:31.622

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.

Data Qualifications-CBOD: Glucose/Glutamic Acid standard out of range on 10/15, 10/19-21, 10/25-28; Dilution water depleted > 0.20 mg/l on 10/8, 10/29; NB Influent duplicate RPD >30% on 10/5; TZO Influent duplicate RPD >30% on 10/15. October Effluent low level mercury sample collected and preserved by Meritech Laboratory. Sample will be analyzed when Meritech receives their new mercury instrument. Amended eDMR will be submitted upon receipt of results.