

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: 03-2024 (March 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	00400	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	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		39.86	18.5	7.5	< 14	< 0.1	8	> 2419.6	8.98		
2		24	7	24	B		46.2									
3		24	7	24	B		38.22									
4		24	7	24	Y		35.82	18.6	7.5	< 14	< 0.1	8.25	5.7	9.11		
5		24	7	24	Y		36.1	19.2	7.5	< 14	< 0.1	6.2	29.2	9.22		
6		24	7	24	Y		38.11	20.2	7.5	< 14	< 0.1	4.54	6.3	8.7	3.27	
7		24	7	24	Y		36.49	20.2	7.5	< 14	< 0.1	3.55	9.6	8.72		
8		24	7	24	Y		36.33	20.4	7.6	< 14	< 0.1	3.9	33.6	8.85		
9		24	7	24	B		50.92									
10		24	7	24	B		49.99									
11		24	7	24	Y		41.74	17.1	7.4	< 14	0.111	3.25	21.2	9.16		
12		24	7	24	Y		38.9	17.8	7.3	< 14	< 0.1	2.95	5.2	9.4		
13		24	7	24	Y		35.43	18.6	7.5	< 14	< 0.1	2.85	4.1	9.42	2.49	
14		24	7	24	Y		33.71	19.1	7.6	< 14	< 0.1	3.2	18.5	9.38		
15		24	7	24	Y		36.94	20.4	7.4	< 14	< 0.1	4.4	26.1	8.75		
16		24	7	24	B		34.89									
17		24	7	24	B		33.42									
18		24	7	24	Y		33.84	19.9	7.6	< 14	< 0.1	4.34	4.8	8.95		
19		24	7	24	Y		34.03	19	7.6	< 14	< 0.1	4.57	2	9.3		
20		24	7	24	Y		34.54	18.9	7.5	< 14	< 0.1	4.8	1553.1	8.96	4.24	
21		24	7	24	Y		33.01	19.6	7.6	< 14	< 0.1	4.8	32.7	8.78		
22		24	7	24	B		35.65	20.4	7.6	< 14	< 0.1	5.47	35.5	9.48		
23		24	7	24	B		39.72									
24		24	7	24	B		35.09									
25		24	7	24	Y		34.86	18.8	7.6	< 14	< 0.1	4.2	30.2	8.57		
26		24	7	24	Y		34.5	18.7	7.5	< 14	< 0.1	3.87	14.6	8.82		
27		24	7	24	Y		46.04	19.6	7.5	< 14	< 0.1	4	9.8	9.39	4.29	
28		24	7	24	Y		52.57	18.8	7.4	< 14	0.108	5.06	31.7	9		
29		24	7	24	Y		39.94	H	H	H	H	H	H	H	H	
30		24	7	24	B		34.75									
31		24	7	24	B		34.53									
Monthly Average Limit:							56				4	30	200			
Monthly Average:							38.262581	19.19		0	0.01095	4.61	21.445638	9.047	3.5725	
Daily Maximum:							52.57	20.4	7.6	0	0.111	8.25	2419.6	9.48	4.29	
Daily Minimum:							33.01	17.1	7.3	0	0	2.85	2	8.57	2.49	

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

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ORC: Bradley Todd Flynt

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GRADE: WW-4

ORC HAS CHANGED: No

eDMR PERIOD: 03-2024 (March 2024)

VERSION: 1.0

STATUS: Submitted

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****	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						2.49							
2		24	7	24	B													
3		24	7	24	B													
4		24	7	24	Y						3							
5		24	7	24	Y			0.534			< 2					1.99		
6		24	7	24	Y						< 2	0.24	3.03	< 5				
7		24	7	24	Y						< 2							
8		24	7	24	Y						2.08							
9		24	7	24	B													
10		24	7	24	B													
11		24	7	24	Y						2.21							
12		24	7	24	Y			0.357			2.63					1.75		
13		24	7	24	Y						2.13	0.34	2.15					
14		24	7	24	Y						< 2							
15		24	7	24	Y						2.48							
16		24	7	24	B													
17		24	7	24	B													
18		24	7	24	Y						< 2							
19		24	7	24	Y			0.216			< 2					4		
20		24	7	24	Y						< 2	0.77	3.47					
21		24	7	24	Y						< 2							
22		24	7	24	B						2.55							
23		24	7	24	B													
24		24	7	24	B													
25		24	7	24	Y						< 2							
26		24	7	24	Y			0.312			< 2					3.14		
27		24	7	24	Y						< 2	0.53	3.76					
28		24	7	24	Y						< 2							
29		24	7	24	Y			H			H	H	H	H			H	
30		24	7	24	B													
31		24	7	24	B		35314.7041		3512									
Monthly Average Limit:												8			5.1			
Monthly Average:							35314.7041		0.35475	3512		0.9785	0.47	3.1025	0	2.72		
Daily Maximum:							35314.7041		0.534	3512		3	0.77	3.76	0	4		
Daily Minimum:							35314.7041		0.216	3512		0	0.24	2.15	0	1.75		

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							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	mg/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		< 2		< 0.5	< 5		7.21			< 2			8.55
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	Y													
13		24	7	24	Y													
14		24	7	24	Y													
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	B													
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		H	H	H	H	H	H	H		H	H	H	
30		24	7	24	B													
31		24	7	24	B													
Monthly Average Limit:																		
Monthly Average:							0		0	0		7.21				0	0.0031	8.55
Daily Maximum:							0		0	0		7.21				0	0.0031	8.55
Daily Minimum:							0		0	0		7.21				0	0.0031	8.55

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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	01089	01102	01152	01087	01092	
							Composite	Composite	Composite	Composite	Composite	Composite	Composite	
	2400 clock	Hrs	2400 clock	Hrs	Y/B/N		CERIUM	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	B									
3		24	7	24	B									
4		24	7	24	Y									
5		24	7	24	Y									
6		24	7	24	Y			< 1					63.6	
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	Y									
13		24	7	24	Y									
14		24	7	24	Y									
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	B									
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			H	H	H	H	H	H	
30		24	7	24	B									
31		24	7	24	B									
Monthly Average Limit:														
Monthly Average:								0						63.6
Daily Maximum:								0						63.6
Daily Minimum:								0						63.6

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COUNTY: Guilford

OWNER NAME: City of Greensboro

ORC: Bradley Todd Flynt

ORC CERT NUMBER: 27171

GRADE: WW-4.

ORC HAS CHANGED: No

eDMR PERIOD: 03-2024 (March 2024)

VERSION: 1.0

STATUS: Submitted

SAMPLING LOCATION: INFLUENT DISCHARGE NO.: 001

Date	Composite Sample Time	Total Composite Time	No Reporting Reason****	CO530	8082	CO610	CO665	8091	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
J		24		303	375	21.7			
2		24							
3		24							
4		24		331	351	18			
5		24		360	294	18.1	14.47		
6		24		400	297	19.2			
7		24		398	412	22.8			
8		24		363	402	21.2			
9		24							
10		24							
11		24		178	234	16.6			
12		24		405	358	17.2	12.01		
13		24		226	299	20.4			
14		24		219	369	20.8			
15		24		351	489	23.9			
16		24							
17		24							
18		24		214	309	19			
19		24		234	326	19.3	10.58		
20		24		316	561	22.7			
21		24		312	307	21.9			
22		24		444	446	26.6			
23		24							
24		24							
25		24		209	291	18.4			
26		24		345	279	21.3	9.17		
27		24		339	380	21.2			
28		24		264	256	17			
29		24		H	H	H	H		
30		24							
31		24						99.721819	98.515754
Monthly Average Limit:									
Monthly Average:				310.55	351.75	20.365	11.5575	99.721819	98.515754
Daily Maximum:				444	561	26.6	14.47	99.721819	98.515754
Daily Minimum:				178	234	16.6	9.17	99.721819	98.515754

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OWNER NAME: City of Greensboro
GRADE: WW-4
eDMR PERIOD: 03-2024 (March 2024)
COMPLIANCE STATUS: Compliant

PERMIT VERSION: 4.0
CLASS: WW-4
ORC: Bradley Todd Flynt
ORC HAS CHANGED: No
VERSION: 1.0
CONTACT PHONE #: 4337262

PERMIT STATUS: Expired
COUNTY: Guilford
ORC CERT NUMBER: 27171
STATUS: Submitted
SUBMISSION DATE: 04/29/2024

Electronically Certified by Bradley Todd Flynt on 2024-04-25 09:18:13.351

ORC / Certifier Signature: Bradley Todd Flynt



Phone #: 336 433 7262

4/30/24

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 2024-04-29 08:41:25.575

Permittee/Submitter Signature: ***Elijah Lamont Williams

Phone #: 336-373-4632

Date



4/30/2024

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 - G/G out of range on 3/21, 3/26 & 3/27.

On 3/12/24, the initial Cl2 morning reading was not a representative sample, over range >2516 ug/l. Operations lost SCADA communications with the #4 pump flow meter at 0501 am. The CL2 total residual did not show an increase until 0631 am. Lab caught the initial sample at 7:48 am, before operations resolved the issue. At 10:50 am, the lab caught another sample and the result was <14 ug/l as usual. ORC discussed with Jenny Graznak (WSRO) and she informed us the initial result would have to be reported but to put the explanation and our follow up sample in the comments. Operations also checked the stream at 3 different locations as she requested and contacted her to let her know there was no sign of impact on the receiving stream.

Fecal Coliform shows a violation for week 1 but when the geometric mean is calculated from the February 26 - March 1, 2024, the geometric mean is 29.6 #/100ml.