

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: 01-2024 (January 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 | mg/l | #/100ml | mg/l | mg/l | | | |
| 1 | | 24 | 7 | 24 | B | | 30.45 | H | H | H | H | H | H | H | H | H | H | | |
| 2 | | 24 | 7 | 24 | Y | | 31.46 | 17.7 | 7.4 | < 14 | < 0.1 | 4.87 | 5.72 | 9.42 | | | | | |
| 3 | | 24 | 7 | 24 | Y | | 32.15 | 17.4 | 7.4 | < 14 | < 0.1 | 5 | 4.1 | 9.39 | 5.65 | | | | |
| 4 | | 24 | 7 | 24 | B | | 31.67 | 18.1 | 7.5 | < 14 | < 0.1 | 5.73 | 7.5 | 9.21 | | | | | |
| 5 | | 24 | 7 | 24 | B | | 32.46 | 17.8 | 7.5 | < 14 | < 0.1 | 6.07 | 11 | 9.24 | | | | | |
| 6 | | 24 | 7 | 24 | B | | 40.1 | | | | | | | | | | | | |
| 7 | | 24 | 7 | 24 | B | | 38.89 | | | | | | | | | | | | |
| 8 | | 24 | 7 | 24 | B | | 35.96 | 17.3 | 7.5 | < 14 | 0.102 | 7.07 | 1.76 | 9.35 | | | | | |
| 9 | | 24 | 7 | 24 | B | | 56.12 | 17.7 | 7.5 | < 14 | 0.191 | 6.47 | 2 | 9.19 | 3.36 | | | | |
| 10 | | 24 | 7 | 24 | Y | | 67.52 | 15.5 | 7.3 | < 14 | 4.18 | 43.3 | > 2419.6 | 9.57 | | | | | |
| 11 | | 24 | 7 | 24 | Y | | 43.65 | 15.1 | 7.3 | < 14 | 4.88 | 14.5 | 8.5 | 9.69 | | | | | |
| 12 | | 24 | 7 | 24 | Y | | 46.04 | 16.3 | 7.4 | < 14 | 0.555 | 10.5 | 28.8 | 9.41 | | | | | |
| 13 | | 24 | 7 | 24 | B | | 43.3 | | | | | | | | | | | | |
| 14 | | 24 | 7 | 24 | B | | 37.34 | | | | | | | | | | | | |
| 15 | | 24 | 7 | 24 | B | | 35.79 | H | H | H | H | H | H | H | H | H | H | | |
| 16 | | 24 | 7 | 24 | Y | | 36.16 | 16.9 | 7.5 | < 14 | < 0.1 | 5.29 | 42.1 | 9.01 | | | | | |
| 17 | | 24 | 7 | 24 | Y | | 34.04 | 15.9 | 7.5 | < 14 | < 0.1 | 5.54 | 23.1 | 9.52 | 2.43 | | | | |
| 18 | | 24 | 7 | 24 | Y | | 34.79 | 15.7 | 7.5 | < 14 | < 0.1 | 5.22 | 18.9 | 9.29 | | | | | |
| 19 | | 24 | 7 | 24 | Y | | 35.93 | 17.2 | 7.5 | < 14 | < 0.1 | 5.07 | 13.4 | 9.06 | | | | | |
| 20 | | 24 | 7 | 24 | B | | 32.91 | | | | | | | | | | | | |
| 21 | | 24 | 7 | 24 | B | | 32.8 | | | | | | | | | | | | |
| 22 | | 24 | 7 | 24 | Y | | 32.85 | 17 | 7.4 | < 14 | 0.135 | 7.4 | 5.2 | 9.22 | | | | | |
| 23 | | 24 | 7 | 24 | Y | | 34.15 | 16.9 | 7.4 | < 14 | < 0.1 | 5.65 | 2 | 9.08 | | | | | |
| 24 | | 24 | 7 | 24 | Y | | 32.27 | 18.5 | 7.5 | < 14 | < 0.1 | 5.34 | 7.4 | 9.06 | 2.33 | | | | |
| 25 | | 24 | 7 | 24 | Y | | 38.87 | 19.8 | 7.5 | < 14 | < 0.1 | 5.07 | 25.3 | 8.58 | | | | | |
| 26 | | 24 | 7 | 24 | Y | | 47.25 | 19.9 | 7.5 | < 14 | < 0.1 | 4.71 | 7.5 | 8.53 | | | | | |
| 27 | | 24 | 7 | 24 | B | | 41.58 | | | | | | | | | | | | |
| 28 | | 24 | 7 | 24 | B | | 58.61 | | | | | | | | | | | | |
| 29 | | 24 | 7 | 24 | Y | | 43.57 | 16.9 | 7.4 | < 14 | < 0.1 | 3.75 | 8 | 9.47 | | | | | |
| 30 | | 24 | 7 | 24 | Y | | 41.26 | 17.6 | 7.3 | < 14 | < 0.1 | 3.95 | 6.3 | 9.32 | | | | | |
| 31 | | 24 | 7 | 24 | Y | | 36.12 | 18 | 7.5 | < 14 | < 0.1 | 4.65 | 4.1 | 9.11 | 2.57 | | | | |
| Monthly Average Limit: | | | | | | | | | 56 | | | | 4 | 30 | 200 | | | | |
| Monthly Average: | | | | | | | | | 39.227742 | 17.295238 | | 0 | 0.478238 | 7.864286 | 10.536765 | 9.224762 | 3.268 | | |
| Daily Maximum: | | | | | | | | | 67.52 | 19.9 | 7.5 | 0 | 4.88 | 43.3 | 2419.6 | 9.69 | 5.65 | | |
| Daily Minimum: | | | | | | | | | 30.45 | 15.1 | 7.3 | 0 | 0 | 3.75 | 1.76 | 8.53 | 2.33 | | |

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

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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: 01-2024 (January 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 | 01042 | 00630 | 00625 | TGP3B | 01147 | |
|------------------------|-----------------------|----------------------|-----------------------|-----------------------|----------------|-------------------------|------------|------------|-----------|---------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|
| | | | | | | | Monthly | Annually | Weekly | Monthly | Annually | 5 X week | Quarterly | Weekly | Weekly | Quarterly | Monthly | |
| | | | | | | | Calculated | Calculated | Composite | Calculated | Calculated | Composite | Composite | Composite | Composite | Composite | Composite | |
| | | | | | | | TOTAL N - | TOTAL N - | TOTAL P - | Total P - Qty | Total P - Qty | CBOD 20C | COPPER | NO2&NO3 | TOT KJEL | CERI7DPF | Se-TOTAL | |
| | 2400 clock | Hrs | 2400 clock | Hrs | Y/B/N | | lb/mon | lbs/yr | mg/l | lb/mon | lbs/yr | mg/l | ug/l | mg/l | mg/l | pass/fail | ug/l | |
| 1 | | 24 | 7 | 24 | B | | | | H | | | H | H | H | H | | H | |
| 2 | | 24 | 7 | 24 | Y | | | | 0.259 | | | < 2 | | | | | | |
| 3 | | 24 | 7 | 24 | Y | | | | | | | < 2 | | 3.22 | 2.43 | | | |
| 4 | | 24 | 7 | 24 | B | | | | | | | < 2 | | | | | | |
| 5 | | 24 | 7 | 24 | B | | | | | | | < 2 | | | | | | |
| 6 | | 24 | 7 | 24 | B | | | | | | | | | | | | | |
| 7 | | 24 | 7 | 24 | B | | | | | | | | | | | | | |
| 8 | | 24 | 7 | 24 | B | | | | | | | 4.18 | | | | | | |
| 9 | | 24 | 7 | 24 | B | | | | 0.415 | | | 2.99 | 5.51 | 0.11 | 3.25 | 0 | < 5 | |
| 10 | | 24 | 7 | 24 | Y | | | | | | | 7.83 | | | | | | |
| 11 | | 24 | 7 | 24 | Y | | | | | | | 5.18 | | | | | | |
| 12 | | 24 | 7 | 24 | Y | | | | | | | 3.02 | | | | | | |
| 13 | | 24 | 7 | 24 | B | | | | | | | | | | | | | |
| 14 | | 24 | 7 | 24 | B | | | | | | | | | | | | | |
| 15 | | 24 | 7 | 24 | B | | | | H | | | H | H | H | H | | H | |
| 16 | | 24 | 7 | 24 | Y | | | | 0.369 | | | < 2 | | | | | | |
| 17 | | 24 | 7 | 24 | Y | | | | | | | < 2 | | < 0.1 | 2.43 | | | |
| 18 | | 24 | 7 | 24 | Y | | | | | | | 2.49 | | | | | | |
| 19 | | 24 | 7 | 24 | Y | | | | | | | 2.31 | | | | | | |
| 20 | | 24 | 7 | 24 | B | | | | | | | | | | | | | |
| 21 | | 24 | 7 | 24 | B | | | | | | | | | | | | | |
| 22 | | 24 | 7 | 24 | Y | | | | | | | 2.13 | | | | | | |
| 23 | | 24 | 7 | 24 | Y | | | | 0.266 | | | < 2 | | | | | | |
| 24 | | 24 | 7 | 24 | Y | | | | | | | < 2 | | 0.33 | 2 | | | |
| 25 | | 24 | 7 | 24 | Y | | | | | | | < 2 | | | | | | |
| 26 | | 24 | 7 | 24 | Y | | | | | | | 2.43 | | | | | | |
| 27 | | 24 | 7 | 24 | B | | | | | | | | | | | | | |
| 28 | | 24 | 7 | 24 | B | | | | | | | | | | | | | |
| 29 | | 24 | 7 | 24 | Y | | | | | | | < 2 | | | | | | |
| 30 | | 24 | 7 | 24 | Y | | | | 0.208 | | | < 2 | | | | | | |
| 31 | | 24 | 7 | 24 | Y | | 33165.2359 | | | 3073 | | 2.28 | | 0.88 | 1.69 | | | |
| Monthly Average Limit: | | | | | | | | | | | | 8 | | | | | | 5.1 |
| Monthly Average: | | | | | | | 33165.2359 | | 0.3034 | 3073 | | 1.659048 | 5.51 | 0.908 | 2.36 | 0 | 0 | |
| Daily Maximum: | | | | | | | 33165.2359 | | 0.415 | 3073 | | 7.83 | 5.51 | 3.22 | 3.25 | 0 | 0 | |
| Daily Minimum: | | | | | | | 33165.2359 | | 0.208 | 3073 | | 0 | 5.51 | 0 | 1.69 | 0 | 0 | |

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ORC: Bradley Todd Flynt

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ORC HAS CHANGED: No

eDMR PERIOD: 01-2024 (January 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**** | 01092 | 82388 | 01097 | 01002 | 01012 | 01027 | 01034 | 01037 | 00720 | 00900 | 01051 | | | | | | |
|------------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------|-------------------------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|-----------|-----------|-----------|--|
| | | | | | | | Quarterly | | | | | | | | | | | | | | | | |
| | | | | | | | Composite | Grab | Composite | Composite | Composite | Composite | Composite | Composite | Composite | Composite | Composite | Composite | Grab | Composite | Composite | Composite | |
| | | | | | | | ZINC | 14DIOXAN | 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 | B | | H | | H | H | H | H | H | H | H | | H | | | | | | |
| 2 | | 24 | 7 | 24 | Y | | | 2.23 | | | | | | | | | | | | | | | |
| 3 | | 24 | 7 | 24 | Y | | | | | | | | | | | | | | | | | | |
| 4 | | 24 | 7 | 24 | B | | | | | | | | | | | | | | | | | | |
| 5 | | 24 | 7 | 24 | B | | | | | | | | | | | | | | | | | | |
| 6 | | 24 | 7 | 24 | B | | | | | | | | | | | | | | | | | | |
| 7 | | 24 | 7 | 24 | B | | | | | | | | | | | | | | | | | | |
| 8 | | 24 | 7 | 24 | B | | | | | | | | | | | | | | | | | | |
| 9 | | 24 | 7 | 24 | B | | 53.2 | 8.22 | 1.5 | <2 | <0.5 | <0.5 | <5 | <2 | <20 | 72 | <2 | | | | | | |
| 10 | | 24 | 7 | 24 | Y | | | | | | | | | | | | | | | | | | |
| 11 | | 24 | 7 | 24 | Y | | | | | | | | | | | | | | | | | | |
| 12 | | 24 | 7 | 24 | Y | | | | | | | | | | | | | | | | | | |
| 13 | | 24 | 7 | 24 | B | | | | | | | | | | | | | | | | | | |
| 14 | | 24 | 7 | 24 | B | | | | | | | | | | | | | | | | | | |
| 15 | | 24 | 7 | 24 | B | | H | | H | H | H | H | H | H | H | | H | | | | | | |
| 16 | | 24 | 7 | 24 | Y | | | 6.19 | | | | | | | | | | | | | | | |
| 17 | | 24 | 7 | 24 | Y | | | | | | | | | | | | | | | | | | |
| 18 | | 24 | 7 | 24 | Y | | | | | | | | | | | | | | | | | | |
| 19 | | 24 | 7 | 24 | Y | | | | | | | | | | | | | | | | | | |
| 20 | | 24 | 7 | 24 | B | | | | | | | | | | | | | | | | | | |
| 21 | | 24 | 7 | 24 | B | | | | | | | | | | | | | | | | | | |
| 22 | | 24 | 7 | 24 | Y | | | | | | | | | | | | | | | | | | |
| 23 | | 24 | 7 | 24 | Y | | | 3.73 | | | | | | | | | | | | | | | |
| 24 | | 24 | 7 | 24 | Y | | | | | | | | | | | | | | | | | | |
| 25 | | 24 | 7 | 24 | Y | | | | | | | | | | | | | | | | | | |
| 26 | | 24 | 7 | 24 | Y | | | | | | | | | | | | | | | | | | |
| 27 | | 24 | 7 | 24 | B | | | | | | | | | | | | | | | | | | |
| 28 | | 24 | 7 | 24 | B | | | | | | | | | | | | | | | | | | |
| 29 | | 24 | 7 | 24 | Y | | | | | | | | | | | | | | | | | | |
| 30 | | 24 | 7 | 24 | Y | | | 1.53 | | | | | | | | | | | | | | | |
| 31 | | 24 | 7 | 24 | Y | | | | | | | | | | | | | | | | | | |
| Monthly Average Limit: | | | | | | | | | | | | | | | | | | | | | | | |
| Monthly Average: | | | | | | | 53.2 | 4.38 | 1.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 0 | | | | | |
| Daily Maximum: | | | | | | | 53.2 | 8.22 | 1.5 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 0 | | | | | | |
| Daily Minimum: | | | | | | | 53.2 | 1.53 | 1.5 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 0 | | | | | | |

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GRADE: WW-4.

ORC HAS CHANGED: No

eDMR PERIOD: 01-2024 (January 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*** | 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 | B | | H | H | H | H | H | H | H |
| 2 | | 24 | 7 | 24 | Y | | 0.0012 | | | | | | |
| 3 | | 24 | 7 | 24 | Y | | | | | | | | |
| 4 | | 24 | 7 | 24 | B | | | | | | | | |
| 5 | | 24 | 7 | 24 | B | | | | | | | | |
| 6 | | 24 | 7 | 24 | B | | | | | | | | |
| 7 | | 24 | 7 | 24 | B | | | | | | | | |
| 8 | | 24 | 7 | 24 | B | | | | | | | | |
| 9 | | 24 | 7 | 24 | B | | | 7.45 | < 1 | | <25 | 16 | < 5 |
| 10 | | 24 | 7 | 24 | Y | | | | | | | | |
| 11 | | 24 | 7 | 24 | Y | | | | | | | | |
| 12 | | 24 | 7 | 24 | Y | | | | | | | | |
| 13 | | 24 | 7 | 24 | B | | | | | | | | |
| 14 | | 24 | 7 | 24 | B | | | | | | | | |
| 15 | | 24 | 7 | 24 | B | | H | H | H | H | H | H | H |
| 16 | | 24 | 7 | 24 | Y | | | | | | | | |
| 17 | | 24 | 7 | 24 | Y | | | | | | | | |
| 18 | | 24 | 7 | 24 | Y | | | | | | | | |
| 19 | | 24 | 7 | 24 | Y | | | | | | | | |
| 20 | | 24 | 7 | 24 | B | | | | | | | | |
| 21 | | 24 | 7 | 24 | B | | | | | | | | |
| 22 | | 24 | 7 | 24 | Y | | | | | | | | |
| 23 | | 24 | 7 | 24 | Y | | | | | | | | |
| 24 | | 24 | 7 | 24 | Y | | | | | | | | |
| 25 | | 24 | 7 | 24 | Y | | | | | | | | |
| 26 | | 24 | 7 | 24 | Y | | | | | | | | |
| 27 | | 24 | 7 | 24 | B | | | | | | | | |
| 28 | | 24 | 7 | 24 | B | | | | | | | | |
| 29 | | 24 | 7 | 24 | Y | | | | | | | | |
| 30 | | 24 | 7 | 24 | Y | | | | | | | | |
| 31 | | 24 | 7 | 24 | Y | | | | | | | | |
| Monthly Average Limit: | | | | | | | | | | | | | |
| Monthly Average: | | | | | | | 0.0012 | 7.45 | 0 | | 0 | 16 | 0 |
| Daily Maximum: | | | | | | | 0.0012 | 7.45 | 0 | | 0 | 16 | 0 |
| Daily Minimum: | | | | | | | 0.0012 | 7.45 | 0 | | 0 | 16 | 0 |

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GRADE: WW-4.

ORC HAS CHANGED: No

eDMR PERIOD: 01-2024 (January 2024)

VERSION: 1.0

STATUS: Submitted

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 | | H | H | H | H | | |
| 2 | | 24 | | 231 | 228 | 18.2 | 7.28 | | |
| 3 | | 24 | | 335 | 346 | 18.6 | | | |
| 4 | | 24 | | 457 | 442 | 23 | | | |
| 5 | | 24 | | 414 | 462 | 22.9 | | | |
| 6 | | 24 | | | | | | | |
| 7 | | 24 | | | | | | | |
| 8 | | 24 | | 234 | 302 | 14.4 | | | |
| 9 | | 24 | | 270 | 238 | 18.6 | 8.21 | | |
| 10 | | 24 | | 423 | 211 | 7.8 | | | |
| 11 | | 24 | | 348 | 179 | 11.4 | | | |
| 12 | | 24 | | 247 | 269 | 14.4 | | | |
| 13 | | 24 | | | | | | | |
| 14 | | 24 | | | | | | | |
| 15 | | 24 | | H | H | H | H | | |
| 16 | | 24 | | 265 | 351 | 18.7 | 6.65 | | |
| 17 | | 24 | | 297 | 329 | 19.9 | | | |
| 18 | | 24 | | 226 | 319 | 20.8 | | | |
| 19 | | 24 | | 255 | 431 | 21 | | | |
| 20 | | 24 | | | | | | | |
| 21 | | 24 | | | | | | | |
| 22 | | 24 | | 242 | 337 | 18.3 | | | |
| 23 | | 24 | | 260 | 293 | 19.3 | 7.68 | | |
| 24 | | 24 | | 274 | 353 | 23.4 | | | |
| 25 | | 24 | | 279 | 369 | 23.1 | | | |
| 26 | | 24 | | 278 | 376 | 21.3 | | | |
| 27 | | 24 | | | | | | | |
| 28 | | 24 | | | | | | | |
| 29 | | 24 | | 243 | 222 | 11.5 | | | |
| 30 | | 24 | | 270 | 243 | 16.5 | 11.58 | | |
| 31 | | 24 | | 296 | 301 | 17.6 | | 99.472206 | 97.312088 |
| Monthly Average Limit: | | | | | | | | | |
| Monthly Average: | | | | 292.571429 | 314.333333 | 18.128571 | 8.28 | 99.472206 | 97.312088 |
| Daily Maximum: | | | | 457 | 462 | 23.4 | 11.58 | 99.472206 | 97.312088 |
| Daily Minimum: | | | | 226 | 179 | 7.8 | 6.65 | 99.472206 | 97.312088 |

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GRADE: WW-4.

ORC HAS CHANGED: No

eDMR PERIOD: 01-2024 (January 2024)

VERSION: 1.0

STATUS: Submitted

COMPLIANCE STATUS: Compliant

CONTACT PHONE #: 4337262

SUBMISSION DATE: 02/23/2024

Electronically Certified by Bradley Todd Flynt on 2024-02-23 09:38:43.174



2/26/24

ORC / Certifier Signature: Bradley Todd Flynt

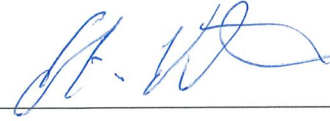
Phone #: 3364337262

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 2024-02-23 09:42:55.892



2/26/2024

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).

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: 01-2024 (January 2024)

VERSION: 1.0

STATUS: Submitted

Report Comments:

Data Qualifications - CBOD - G/G out of range on 1/8,1/22,1/25. Blank >0.20 on 1/2,1/3,1/9,1/10,1/19. Bioassay passed at 100%.

Effluent Aquatic Toxicity Report Form / Phase II Chronic *Ceriodaphnia*

Facility: **Osborne** NPDES: # **NC00 47384** Pipe #: _____ County: **Guilford**

Laboratory Performing Test: **Meritech, Inc.**

Comments: _____

x *Bradley Hunt* x *M. Reed*
 Signature of O.R.C./Email/Address/Phone Number Signature of Laboratory Supervisor

| Sample Information | Sample 1 | Sample 2 | Control | |
|-------------------------|----------|----------|---------|-----|
| Collection Start Date | 1/8/24 | 1/10/24 | | |
| Grab | | | | |
| Composite (Duration) | 23.9 | 23.9 | | |
| Hardness (mg/l) | | | 82 | 86 |
| Spec. Cond. (µmhos/cm) | 719 | 642 | 313 | 302 |
| Chlorine (mg/l) | <0.1 | <0.1 | | |
| Sample temp. at receipt | 2.8 °C | 1.1 °C | | |

| Test Information * | Start Date | | End Date | | Start Time | | End Time | | |
|--------------------|------------|---------|----------|---------|------------|---------|----------|---------|---------|
| | Start | Renew 1 | Renew 2 | Start | Renew 1 | Renew 2 | Start | Renew 1 | Renew 2 |
| | 1/10/24 | | 1/17/24 | | 10:50 AM | | 10:02 AM | | |
| Treatment | 100 % | 100 % | 100 % | Control | Control | Control | | | |
| pH Initial | 8.05 | 7.95 | 7.78 | 8.04 | 8.05 | 7.99 | | | |
| pH Final | 8.20 | 8.11 | 8.10 | 8.20 | 8.09 | 8.03 | | | |
| D.O. Initial | 8.24 | 8.50 | 8.49 | 7.84 | 8.00 | 7.90 | | | |
| D.O. Final | 7.93 | 7.79 | 7.63 | 7.82 | 7.90 | 7.50 | | | |
| Temp. Initial | 24.4 | 24.8 | 24.5 | 24.3 | 24.5 | 24.4 | | | |
| Temp. Final | 24.4 | 24.5 | 25.1 | 24.3 | 24.3 | 24.3 | | | |

| | | Organism # | | | | | | | | | | | | Mean |
|-------------------|---------------------|------------|----|----|----|----|----|----|----|----|----|----|----|---------------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| Control | #Young | 20 | 22 | 24 | 22 | 21 | 17 | 20 | 23 | 20 | 20 | | | 20.9 |
| | Adult (L)ive (D)ead | L | L | L | L | L | L | L | L | L | L | | | |
| Effluent% 22.5 | #Young | 23 | 23 | 23 | 22 | 22 | 21 | 23 | 24 | 23 | 24 | | | 22.8 |
| | Adult (L)ive (D)ead | L | L | L | L | L | L | L | L | L | L | | | % Red -9.1 |
| Effluent% 45 | #Young | 18 | 24 | 24 | 19 | 22 | 23 | 22 | 25 | 24 | 15 | | | 21.6 |
| | Adult (L)ive (D)ead | L | L | L | L | L | L | L | L | L | L | | | % Red -3.3 |
| Effluent% 75 | #Young | 23 | 21 | 24 | 21 | 14 | 19 | 25 | 14 | 24 | 21 | | | 20.6 |
| | Adult (L)ive (D)ead | L | L | L | L | L | L | L | L | L | L | | | % Red 1.4 |
| Effluent% 90 | #Young | 19 | 20 | 20 | 21 | 20 | 20 | 23 | 17 | 18 | 23 | | | 20.1 |
| | Adult (L)ive (D)ead | L | L | L | L | L | L | L | L | L | L | | | % Red 3.8 |
| Effluent% 100 | #Young | 14 | 12 | 15 | 17 | 24 | 20 | 18 | 20 | 16 | 22 | | | 17.8 |
| | Adult (L)ive (D)ead | L | L | L | L | L | L | L | L | L | L | | | % Red 14.8 |

| Chronic Test Results | |
|-------------------------------|------------------------------------|
| Final Control Mortality % | 0 |
| % Control 3rd brood | 100 |
| Control Repro CV | 9.4 |
| 48 Hour Mortality | |
| Control | IWC |
| 0 of 10 | 0 of 10 |
| Significant? Y | <input checked="" type="radio"/> N |
| Final Mortality Significant @ | % or No Conc. |

| Reproduction Analysis: | | |
|--|----------------------------|--------------|
| Repro. LOEC= | >100 % ; NOEC= 100 % | |
| Method: | Steel's Many-One Rank Test | |
| Normal Distrib? | YES Method: Kolmogorov | |
| Statistic: | 0.9413 Critical: 1.035 | |
| Equal Variances? | NO Method: Bartlett | |
| Statistic: | 19.843 Critical: 15.09 | |
| Non-Parametric Analysis (If applicable): | | |
| Method: Steel's Many-One Rank Test | | |
| Effluent % | Rank Sum | Critical Sum |
| 22.5 | 136.0 | 75.0 |
| 45 | 118.0 | 75.0 |
| 75 | 110.0 | 75.0 |
| 90 | 92.0 | 75.0 |
| 100 | 79.0 | 75.0 |
| Overall Analysis: | | |
| Result = PASS/FAIL or | | |
| Test LOEC= | >100 % ; NOEC= 100 % | |
| Chronic Value= | >100 % | |

MAIL TO:

ATT: Water Sciences Section
 Aquatic Toxicology Branch
 Division of Water Resources
 1621 Mail Service Center
 Raleigh, NC 27699-1621

* Should use highest test concentration or highest concentration with D.O. >5.0 mg/l

† Reduction from Control Reproduction Mean