

PLEASE TAKE NOTICE THAT THE FOLLOWING MEETING WILL HELD IN-PERSON WITH A VIRTUAL ATTENDANCE OPTION

The Owosso Mid-Shiawassee County Wastewater Treatment Plant Review Board will conduct an in-person meeting with a virtual attendance option on January 28, 2025.

OWOSSO MID-COUNTY WWTP REVIEW BOARD

Tuesday, January 28, 2025

at 4:30 p.m.

1410 Chippewa Trail

Owosso, MI 48867

The public may attend in-person or virtually but cannot participate in public comment virtually. Virtual attendees may submit questions or comments via email to the Plant Superintendent at timothy.guysky@ci.owosso.mi.us a minimum of 24 hours prior to the meeting.

VIRTUAL OPTION DETAILS:

- **Join Zoom Meeting:**
<https://us02web.zoom.us/j/87271529919?pwd=K66qTuxprM5HyVlup2SK5abr8sCxW.1>
- **Meeting ID:** 872 7152 9919
- **Password:** 881803
- **One tap mobile**
+13126266799,,87271529919#,,,,*881803# US (Chicago)
+16465588656,,87271529919#,,,,*881803# US (New York)
- **Dial by your location**
+1 312 626 6799 US (Chicago)
+1 646 558 8656 US (New York)
- **For video instructions visit:**
 - Signing up and Downloading Zoom <https://youtu.be/qsy2Ph6kSf8>
 - Joining a Zoom Meeting <https://youtu.be/hlkCmbvAHQQ>
 - Joining and Configuring Audio and Video <https://youtu.be/-s76QHshQnY>
- **Helpful notes for participants:** [Helpful Hints](#)

Any person who wishes to contact members of the WWTP Review Board to provide input or ask questions on any business coming before the Board on January 28, 2024 may do so by calling or e-mailing the WWTP Superintendent prior to the meeting at (989)725-0562 or timothy.guysky@ci.owosso.mi.us.

The City of Owosso will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio recordings of printed materials being considered at the meeting, to individuals with disabilities at the meeting/hearing upon seventy-two (72) hours notice to the City of Owosso. Individuals with disabilities requiring auxiliary aids or services should contact the City of Owosso by writing, calling, or emailing the following: Owosso WWTP Superintendent, 301 West Main Street, Owosso, MI 48867; Phone: (989) 725-0562; Email: timothy.guysky@ci.owosso.mi.us. The City of Owosso Website address is www.ci.owosso.mi.us.

WARNING: According to the State Attorney General, interrupting a public meeting in Michigan with hate speech or profanity could result in criminal charges under several State statutes relating to Fraudulent Access to a Computer or Network (MCL 752.797) and/or Malicious Use of Electronics Communication (MCL 750.540). Per the US Attorney for Eastern Michigan, Federal charges may include disrupting a public meeting, computer intrusion, using a computer to commit a crime, hate crimes, fraud, or transmitting threatening communications.

City of Owosso related meetings are being monitored and violations of statutes will be prosecuted.

**OWOSSO MID-SHIAWASSEE COUNTY WWTP
REVIEW BOARD**

MEETING NOTICE

DATE: January 28, 2024 (Tuesday)

TIME: 4:30 P.M.

PLACE: 1410 Chippewa Trail, Owosso, MI 48867 with virtual option for non-board members (details attached)

AGENDA:

1. Roll
2. Agenda Approval
3. Previous Meeting Minutes
 - a) September 24, 2024*
4. Secretary's Report
 - a) Plant Performance Summary (September – December 2024)*
 - b) Plant Operations and staffing
 - c) WWTP project updates: Solids Handling Project, Phase I, Secondary Clarifier
5. Old Business
 - a) Equivalent Sewer Use Ordinances
 1. Owosso Township Update
 2. Caledonia Township Update
 3. Utility Authority Update
6. New Business
 - a) 2023 Service Unit Flow Summary*
 - b) Continuation of Public Virtual Option for Review Board Meetings
7. Citizens'/Members' comments
8. Adjourn

Tim Guysky, Secretary

* **Written information previously transmitted or enclosed.**

The city of Owosso will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audiotapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting/hearing upon seventy-two hours' notice to the city of Owosso. Individuals with disabilities requiring auxiliary aids or services should contact the city of Owosso by writing or calling the following: Tim Guysky, 301 West Main Street, Owosso, MI 48867 (989)-725-0562.

**OWOSSO MID-SHIAWASSEE COUNTY WWTP REVIEW BOARD
MEETING MINUTES - DRAFT**

September 24, 2024

4:30 P.M.

W.W.T.P.

1. Roll (4:30 P.M.)
Members Present: R. Holzheuer, R. Suchanek, L. Walker (new member representing City of Corunna)
Alternates Present: None
Members Absent (no Alternate present): J. Archer
Others Present: T. Guysky, WWTP Superintendent/Board Secretary
J. Bloomfield, Owosso Twp/Caledonia Twp Utility Authority
B. Langtry, Owosso Twp/Caledonia Twp Utility Authority
2. Agenda Approval: Motion by Holzheuer to approve meeting agenda as presented. Support by Suchanek. No discussion. Motion carries 3-0.
3. Minutes of the August 27, 2024 meeting: Motion by Suchanek to approve the August 27, 2024 meeting minutes. Support by Holzheuer. No Discussion. Motion carries 3-0.
4. Secretary's Report:
 - a) Plant Performance Summary (August 2024): Guysky discussed the CBOD5 permit exceedance in August, as well as the limited troubleshooting options.
 - b) Plant Operations and Staffing: Guysky noted ongoing challenges with the plant process due to construction activities and dry weather flows. The plant is currently advertising for one attendant position, with candidate interviews scheduled for the next few weeks..
 - c) WWTP Project Updates: Guysky updated the Board on the current projects. The Solids Handling Project is nearing completion, with only a few small punch list items remaining. The Phase I Project work is progressing at the expected pace thus far, with disinfection and filtration equipment startup scheduled for early January 2025. The Secondary Clarifier construction is expected to start within a few weeks.
5. Old Business:
 - a) Hydrogen Sulfide Study Utility Authority Plan Progress: Langtry updated the Board on the Owosso Township- Caledonia Township Utility Authority efforts toward H2S mitigation. Oxygen injection and/or chemical application are the options recommended by their consulting engineers. Guysky noted the temporary chemical application in place seems to be effective in keeping the H2S from that side away from the WWTP screening room, though H2S levels in the township collection system are still causing odor complaints north of the

WWTP. Guysky will be forwarding future calls of this nature to the Utility Authority. The Utility Authority will investigate remedies for these nuisance odors.

b) Equivalent Sewer Use Ordinance: Guysky provided details on the memo issued concerning the state of each service unit's sewer use ordinance.

6. New Business:
NONE

7. Citizens'/Members' Comments:
Guysky noted a memorial bench for former WWTP Superintendent Bill Horton will be placed near the river bank in the coming weeks.

8. Adjourn: Motion to adjourn by Holzheuer. Support by Suchanek. No discussion. Motion carries 3-0. Meeting adjourned at 5:23 p.m.

Respectfully submitted, Timothy J. Guysky, Secretary
Approval by Review Board pending

Draft

PLANT PERFORMANCE SUMMARY

| | PERMIT LIMIT | CURRENT YEAR SEPTEMBER 2024 | | PREVIOUS YEAR SEPTEMBER 2023 |
|--|------------------|---|-------------|---------------------------------|
| PLANT FLOW | | | | |
| AVERAGE | No Limit | 2.40 | MGD | 2.87 MGD |
| MAXIMUM | No Limit | 2.83 | MGD | 3.80 MGD |
| PRECIPITATION | | 0.91 | Inches | 1.86 Inches |
| CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5) | | | | |
| "30 Day" Average | 10 mg/L | 5.0 | mg/L | 3.3 mg/L |
| Maximum 7 Day Average | No Limit | 7.4 | mg/L | 4.2 mg/L |
| Maximum Day | 15 mg/L | 6.5 | mg/L | 6.8 mg/L |
| "30 Day" Average | 500 lbs/day | 101 | lbs/day | 80 lbs/day |
| Maximum 7 Day Average | 730 lbs/day | 182 | lbs/day | 116 lbs/day |
| Percent Removal | No Limit | 93 | % | 96 % |
| TOTAL SUSPENDED SOLIDS (T.S.S.) | | | | |
| "30 Day" Average | 30 mg/L | 11 | mg/L | 4 mg/L |
| Maximum 7 Day Average | 45 mg/L | 14 | mg/L | 5 mg/L |
| "30 Day" Average | 1500 lbs/day | 218 | lbs/day | 98 lbs/day |
| Maximum 7 Day Average | 2300 lbs/day | 341 | lbs/day | 147 lbs/day |
| Percent Removal | 85% | 94 | % | 98 % |
| AMMONIA NITROGEN (NH3-N) | | | | |
| "30 Day" Average | No Limit | 1.28 | mg/L | 0.07 mg/L |
| Maximum Day | 3.0 mg/L | 3.60 | mg/L | 0.74 mg/L |
| "30 Day" Average | No Limit | 25.1 | lbs/day | 2.0 lbs/day |
| Maximum 7 Day Average | 150 lbs/day | 48.4 | lbs/day | 5.8 lbs/day |
| TOTAL PHOSPHORUS | | | | |
| "30 Day" Average | 1.0 mg/l | 0.93 | mg/L | 0.78 mg/L |
| "30 Day" Average | 50 lbs/day | 19 | lbs/day | 19 lbs/day |
| DISSOLVED OXYGEN | | | | |
| Minimum | G.T. 6.0 mg/L | 7.4 | mg/L | 8.9 mg/L |
| pH | | | | |
| Maximum | L.T. 9.0 | 7.96 | | 8.74 |
| Minimum | G.T. 6.5 | 7.01 | | 8.35 |
| TOTAL RESIDUAL CHLORINE (TRC) | | | | |
| Maximum | 38 ug/L | < 10 | ug/L | < 10 ug/L |
| FECAL COLIFORM | | | | |
| "30 Day" Mean | 200 Col./100 mls | 15 | Col./100mls | 6 Col./100mls |
| Maximum 7 Day Mean | 400 Col./100mls | 70 | Col./100mls | 20 Col./100mls |
| COMPLIANCE | | Complied with all permit limits except Ammonia-Nitrogen Max Day | | Complied with all permit limits |

CODE: L.T. = LESS THAN
G.T. = GREATER THAN
NR = ANALYSIS NOT REQUIRED

NOTE: ALL PERMIT LIMITS ARE MAXIMUMS UNLESS OTHERWISE INDICATED

PLANT PERFORMANCE SUMMARY

| | PERMIT LIMIT | | CURRENT YEAR OCTOBER 2024 | | PREVIOUS YEAR OCTOBER 2023 |
|--|------------------|---------------------------------|------------------------------|---------------------------------|-------------------------------|
| PLANT FLOW | | | | | |
| AVERAGE | No Limit | 2.13 | MGD | 3.40 | MGD |
| MAXIMUM | No Limit | 2.62 | MGD | 5.67 | MGD |
| PRECIPITATION | | 1.61 | Inches | 5.12 | Inches |
| CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5) | | | | | |
| "30 Day" Average | 18 mg/L | 4.5 | mg/L | 3.6 | mg/L |
| Maximum 7 Day Average | No Limit | 5.3 | mg/L | 4.9 | mg/L |
| Maximum Day | 27 mg/L | 7.2 | mg/L | 7.1 | mg/L |
| "30 Day" Average | 900 lbs/day | 81 | lbs/day | 104 | lbs/day |
| Maximum 7 Day Average | 1400 lbs/day | 100 | lbs/day | 182 | lbs/day |
| Percent Removal | No Limit | 94 | % | 96 | % |
| TOTAL SUSPENDED SOLIDS (T.S.S.) | | | | | |
| "30 Day" Average | 30 mg/L | 12 | mg/L | 6 | mg/L |
| Maximum 7 Day Average | 45 mg/L | 15 | mg/L | 11 | mg/L |
| "30 Day" Average | 1500 lbs/day | 215 | lbs/day | 173 | lbs/day |
| Maximum 7 Day Average | 2300 lbs/day | 268 | lbs/day | 411 | lbs/day |
| Percent Removal | 85% | 92 | % | 96 | % |
| AMMONIA NITROGEN (NH3-N) | | | | | |
| "30 Day" Average | No Limit | 1.36 | mg/L | 0.40 | mg/L |
| Maximum Day | 11 mg/L | 2.00 | mg/L | 2.01 | mg/L |
| "30 Day" Average | No Limit | 24.7 | lbs/day | 13.5 | lbs/day |
| Maximum 7 Day Average | 550 lbs/day | 33.9 | lbs/day | 35.8 | lbs/day |
| TOTAL PHOSPHORUS | | | | | |
| "30 Day" Average | 1.0 mg/l | 0.95 | mg/L | 0.70 | mg/L |
| "30 Day" Average | 50 lbs/day | 17 | lbs/day | 18 | lbs/day |
| DISSOLVED OXYGEN | | | | | |
| Minimum | G.T. 5.0 mg/L | 7.6 | mg/L | 8.0 | mg/L |
| pH | | | | | |
| Maximum | L.T. 9.0 | 7.77 | | 8.57 | |
| Minimum | G.T. 6.5 | 7.12 | | 7.02 | |
| TOTAL RESIDUAL CHLORINE (TRC) | | | | | |
| Maximum | 0.038 mg/L | < 10 | ug/L | < 10 | ug/L |
| FECAL COLIFORM | | | | | |
| "30 Day" Mean | 200 Col./100 mls | 26 | Col./100mls | 14 | Col./100mls |
| Worst 7 Day Mean | 400 Col./100mls | 113 | Col./100mls | 50 | Col./100mls |
| COMPLIANCE | | Complied with all permit limits | | Complied with all permit limits | |

CODE: L.T. = LESS THAN
G.T. = GREATER THAN
N.R. = ANALYSIS NOT REQUIRED

NOTE: ALL PERMIT LIMITS ARE MAXIMUMS UNLESS OTHERWISE INDICATED

PLANT PERFORMANCE SUMMARY

| | PERMIT LIMIT | CURRENT YEAR NOVEMBER 2024 | | PREVIOUS YEAR NOVEMBER 2023 |
|--|------------------|---------------------------------|-------------|---|
| PLANT FLOW | | | | |
| AVERAGE | No Limit | 2.36 | MGD | 4.11 MGD |
| MAXIMUM | No Limit | 2.81 | MGD | 7.27 MGD |
| PRECIPITATION | | | | |
| | | 3.39 | Inches | 2.76 Inches |
| CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5) | | | | |
| "30 Day" Average | 25 mg/L | 4.5 | mg/L | 4.9 mg/L |
| Maximum 7 Day Average | No Limit | 4.7 | mg/L | 9.1 mg/L |
| Maximum Day | 40 mg/L | 5.7 | mg/L | 16.0 mg/L |
| "30 Day" Average | 1300 lbs/day | 91 | lbs/day | 190 lbs/day |
| Maximum 7 Day Average | 2000 lbs/day | 100 | lbs/day | 415 lbs/day |
| Percent Removal | 85% | 93 | % | 92 % |
| TOTAL SUSPENDED SOLIDS (T.S.S.) | | | | |
| "30 Day" Average | 30 mg/L | 14 | mg/L | 10 mg/L |
| Maximum 7 Day Average | 45 mg/L | 15 | mg/L | 19 mg/L |
| "30 Day" Average | 1500 lbs/day | 285 | lbs/day | 364 lbs/day |
| Maximum 7 Day Average | 2300 lbs/day | 298 | lbs/day | 835 lbs/day |
| Percent Removal | 85% | 91 | % | 93 % |
| AMMONIA NITROGEN (NH3-N) | | | | |
| "30 Day" Average | 11 mg/L | 1.32 | mg/L | 0.79 mg/L |
| Maximum Day | 15 mg/L | 1.97 | mg/L | 2.64 mg/L |
| "30 Day" Average | 530 lbs/day | 28.0 | lbs/day | 30.8 lbs/day |
| Maximum 7 Day Average | 750 lbs/day | 35.7 | lbs/day | 100.1 lbs/day |
| TOTAL PHOSPHORUS | | | | |
| "30 Day" Average | 1.0 mg/l | 0.76 | mg/L | 0.68 mg/L |
| "30 Day" Average | 50 lbs/day | 15 | lbs/day | 24 lbs/day |
| DISSOLVED OXYGEN | | | | |
| Minimum | G.T. 3.0 mg/L | 7.7 | mg/L | 7.4 mg/L |
| pH | | | | |
| Maximum | L.T. 9.0 | 7.79 | | 8.55 |
| Minimum | G.T. 6.5 | 7.08 | | 6.87 |
| TOTAL RESIDUAL CHLORINE (TRC) | | | | |
| Maximum | 38 ug/L | < 10 | ug/L | < 10 ug/L |
| FECAL COLIFORM | | | | |
| "30 Day" Mean | 200 Col./100 mls | 25 | Col./100mls | 12 Col./100mls |
| Maximum 7 Day Mean | 400 Col./100mls | 92 | Col./100mls | 161 Col./100mls |
| COMPLIANCE | | | | |
| | | Complied with all permit limits | | Complied with all permit limits except Hexachlorobenzene concentration. |

CODE: L.T. = LESS THAN
G.T. = GREATER THAN
N.R. = ANALYSIS NOT REQUIRED

NOTE: ALL PERMIT LIMITS ARE MAXIMUMS UNLESS OTHERWISE INDICATED

PLANT PERFORMANCE SUMMARY

| | PERMIT LIMIT | CURRENT YEAR DECEMBER 2024 | | PREVIOUS YEAR DECEMBER 2023 |
|--|------------------|---------------------------------|-------------|---|
| PLANT FLOW | | | | |
| AVERAGE | No Limit | 2.50 | MGD | 4.12 MGD |
| MAXIMUM | No Limit | 5.53 | MGD | 5.61 MGD |
| PRECIPITATION | | 2.84 | Inches | 2.51 Inches |
| CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5) | | | | |
| "30 Day" Average | 25 mg/L | 5.3 | mg/L | 10.9 mg/L |
| Maximum 7 Day Average | NO LIMIT | 6.7 | mg/L | 18.3 mg/L |
| Maximum Day | 40 mg/L | 14.3 | mg/L | 41.5 mg/L |
| "30 Day" Average | 1300 lbs/day | 125 | lbs/day | 353 lbs/day |
| Maximum 7 Day Average | 2000 lbs/day | 242 | lbs/day | 555 lbs/day |
| Percent Removal | 85% | 92 | % | 84 % |
| TOTAL SUSPENDED SOLIDS (T.S.S.) | | | | |
| "30 Day" Average | 30 mg/L | 14 | mg/L | 15 mg/L |
| Maximum 7 Day Average | 45 mg/L | 16 | mg/L | 30 mg/L |
| "30 Day" Average | 1500 lbs/day | 313 | lbs/day | 482 lbs/day |
| Maximum 7 Day Average | 2300 lbs/day | 524 | lbs/day | 896 lbs/day |
| Percent Removal | 85% | 91 | % | 88 % |
| AMMONIA NITROGEN (NH3-N) | | | | |
| "30 Day" Average | 11 mg/L | 1.06 | mg/L | 2.13 mg/L |
| Maximum Day | 15 mg/L | 1.63 | mg/L | 7.64 mg/L |
| "30 Day" Average | 530 lbs/day | 21.3 | lbs/day | 65.3 lbs/day |
| Maximum 7 Day Average | 750 lbs/day | 28 | lbs/day | 245.4 lbs/day |
| TOTAL PHOSPHORUS | | | | |
| "30 Day" Average | 1.0 mg/l | 0.87 | mg/L | 0.91 mg/L |
| "30 Day" Average | 50 lbs/day | 19 | lbs/day | 30 lbs/day |
| DISSOLVED OXYGEN | | | | |
| Minimum | G.T. 3.0 mg/L | 9.1 | mg/L | 4.5 mg/L |
| pH | | | | |
| Maximum | L.T. 9.0 | 7.83 | | 8.56 |
| Minimum | G.T. 6.5 | 7.03 | | 7.31 |
| TOTAL RESIDUAL CHLORINE (TRC) | | | | |
| Maximum | 38 ug/L | < 10 | ug/L | < 10 ug/L |
| FECAL COLIFORM | | | | |
| "30 Day" Mean | 200 Col./100 mls | 14 | Col./100mls | 59 Col./100mls |
| Maximum 7 Day Mean | 400 Col./100mls | 43 | Col./100mls | 594 Col./100mls |
| COMPLIANCE | | Complied with all permit limits | | Complied with all permit limits except CBOD5 mg/L max day, CBOD5 % removal and Fecal Coliform max 7 Day Mean |

CODE: L.T. = LESS THAN
 G.T. = GREATER THAN
 N.R. = ANALYSIS NOT REQUIRED

NOTE: ALL PERMIT LIMITS ARE MAXIMUMS UNLESS OTHERWISE INDICATED

MEMORANDUM

TO: MID-COUNTY WWTP REVIEW BOARD
FROM: TIM GUYSKY, WWTP Superintendent, Board Secretary
DATE: JANUARY 20, 2025
RE: 2024 SERVICE UNIT FLOW SUMMARY

Calendar year 2024 wastewater flows are detailed on the following Excel Worksheet tables:

- WWTP 2024 Flow Summary
- Mid-County Wastewater Treatment Plant Flow Data – 2024
- Mid-County Wastewater Treatment Plant – Flow Summary 2014-24

Based on these average daily flow figures all service units were within their allocated share of the plant capacity based on the June through October averaging period (per Amendment #1 to the Mid-County Wastewater Agreement). The issue of peak flows under wet weather conditions persists, though there were no incidents of plant influent exceeding capacity.

TJG

Enc. (3)

Mid-County Wastewater Treatment Plant Flow Data - 2024

| WWTP 2024 FLOW DATA | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|-------------------------------|---------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|--------|
| OWOSSO | | | | | | | | | | | | | |
| TOTAL FLOW (MG) | 120.462 | 92.958 | 84.447 | 96.556 | 78.952 | 61.423 | 82.974 | 68.397 | 49.099 | 44.312 | 47.628 | 51.515 | 878.7 |
| AVERAGE FLOW (MGD) | 3.886 | 3.205 | 2.724 | 3.219 | 2.547 | 2.047 | 2.677 | 2.206 | 1.637 | 1.429 | 1.588 | 1.662 | 2.407 |
| % OF ACTUAL TOTAL FLOW | 69.04% | 70.26% | 68.27% | 68.81% | 70.11% | 68.96% | 71.86% | 69.68% | 68.26% | 67.03% | 67.41% | 66.46% | 69.07% |
| OWOSSO TOWNSHIP | | | | | | | | | | | | | |
| TOTAL FLOW (MG) | 17.831 | 13.593 | 14.335 | 14.236 | 12.792 | 11.212 | 12.878 | 10.866 | 8.576 | 8.260 | 9.498 | 11.146 | 145.2 |
| AVERAGE FLOW (MGD) | 0.575 | 0.469 | 0.462 | 0.475 | 0.413 | 0.374 | 0.415 | 0.351 | 0.286 | 0.266 | 0.317 | 0.360 | 0.398 |
| % OF ACTUAL TOTAL FLOW | 10.22% | 10.27% | 11.59% | 10.15% | 11.36% | 12.59% | 11.15% | 11.07% | 11.92% | 12.49% | 13.44% | 14.38% | 11.41% |
| CALEDONIA TOWNSHIP | | | | | | | | | | | | | |
| TOTAL FLOW (MG) | 13.348 | 9.810 | 9.360 | 11.117 | 7.627 | 5.339 | 7.097 | 6.590 | 4.540 | 4.412 | 4.104 | 4.565 | 87.9 |
| AVERAGE FLOW (MGD) | 0.431 | 0.338 | 0.302 | 0.371 | 0.246 | 0.178 | 0.229 | 0.213 | 0.151 | 0.142 | 0.137 | 0.147 | 0.241 |
| % OF ACTUAL TOTAL FLOW | 7.65% | 7.41% | 7.57% | 7.92% | 6.77% | 5.99% | 6.15% | 6.71% | 6.31% | 6.67% | 5.81% | 5.89% | 6.91% |
| CORUNNA | | | | | | | | | | | | | |
| TOTAL FLOW (MG) | 22.83 | 15.953 | 15.558 | 18.408 | 13.238 | 11.093 | 12.511 | 12.303 | 9.712 | 9.126 | 9.420 | 10.282 | 160.4 |
| AVERAGE FLOW (MGD) | 0.736 | 0.550 | 0.502 | 0.614 | 0.427 | 0.370 | 0.404 | 0.397 | 0.324 | 0.294 | 0.314 | 0.332 | 0.44 |
| % OF ACTUAL TOTAL FLOW | 13.09% | 12.06% | 12.58% | 13.12% | 11.76% | 12.45% | 10.84% | 12.53% | 13.50% | 13.80% | 13.33% | 13.27% | 12.61% |
| TOTAL PLANT FLOW | | | | | | | | | | | | | |
| TOTAL FLOW (MG) | 174.470 | 132.314 | 123.700 | 140.317 | 112.610 | 89.067 | 115.461 | 98.157 | 71.927 | 66.110 | 70.650 | 77.509 | 1272.3 |
| AVERAGE FLOW (MGD) | 5.628 | 4.563 | 3.990 | 4.677 | 3.633 | 2.969 | 3.725 | 3.166 | 2.398 | 2.133 | 2.355 | 2.500 | 3.486 |
| PRECIPITATION (INCHES) | | | | | | | | | | | | | |
| | 3.97 | 0.34 | 2.69 | 3.90 | 3.26 | 4.74 | 6.41 | 4.95 | 0.91 | 1.61 | 3.39 | 2.84 | 39.01 |

MG = MILLION GALLONS
MGD = MILLION GALLONS / DAY

WWTP 2024 Flow Summary

| | Year | June to October | Contract Capacity |
|---------------------------|--------|-----------------|-------------------|
| OWOSSO | | | |
| TOTAL FLOW (MG) | 878.7 | 306.205 | |
| AVERAGE FLOW (MGD) | 2.407 | 2.001 | 3.18 |
| % of 6 MGD | 40.1% | 33.4% | 53.0% |
| OWOSSO TOWNSHIP | | | |
| TOTAL FLOW (MG) | 145.2 | 51.792 | |
| AVERAGE FLOW (MGD) | 0.398 | 0.339 | 1.29 |
| % of 6 MGD | 6.6% | 5.6% | 21.5% |
| CALEDONIA TOWNSHIP | | | |
| TOTAL FLOW (MG) | 87.9 | 27.978 | |
| AVERAGE FLOW (MGD) | 0.241 | 0.183 | 0.98 |
| % of 6 MGD | 4.0% | 3.0% | 16.3% |
| CORUNNA | | | |
| TOTAL FLOW (MG) | 160.4 | 54.745 | |
| AVERAGE FLOW (MGD) | 0.440 | 0.358 | 0.55 |
| % of 6 MGD | 7.3% | 6.0% | 9.2% |
| TOTAL PLANT FLOW | | | |
| TOTAL FLOW (MG) | 1272.3 | 440.722 | |
| AVERAGE FLOW (MGD) | 3.486 | 2.881 | 6.00 |
| % of 6 MGD | 58.1% | 48.0% | 100.0% |
| PRECIPITATION (INCHES) | 39.01 | 18.62 | |

MG = MILLION GALLONS
 MGD = MILLION GALLONS / DAY

Mid-County Wastewater Treatment Plant - Flow Summary (2014 through 2024)

| WWTP Annual FLOWS | 2014-2024 | 2024 | 2023 | 2022 | 2021 | 2020 | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
|-----------------------------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | Average | | | | | | | | | | | |
| OWOSSO | | | | | | | | | | | | |
| TOTAL FLOW (MG) | 968.3 | 878.7 | 896.3 | 818.5 | 864.8 | 1068.2 | 1133.2 | 1047.9 | 1047.5 | 1023.6 | 817.2 | 1055.5 |
| AVERAGE FLOW (MGD) | 2.653 | 2.407 | 2.456 | 2.243 | 2.369 | 2.919 | 3.105 | 2.871 | 2.870 | 2.797 | 2.239 | 2.892 |
| % OF TOTAL PLANT FLOW | 69.34% | 69.07% | 67.50% | 68.41% | 67.10% | 70.19% | 70.20% | 70.93% | 70.39% | 69.81% | 69.37% | 69.78% |
| % of 3.18 MGD Allocated Flow | 83.4% | 75.7% | 77.2% | 70.5% | 74.5% | 91.8% | 97.6% | 90.3% | 90.3% | 88.0% | 70.4% | 90.9% |
| OWOSSO CHARTER TOWNSHIP | | | | | | | | | | | | |
| TOTAL FLOW (MG) | 147.4 | 145.2 | 158.4 | 142.7 | 171.2 | 173.6 | 161.3 | 134.2 | 139.1 | 140.1 | 105.3 | 150.1 |
| AVERAGE FLOW (MGD) | 0.404 | 0.398 | 0.434 | 0.391 | 0.469 | 0.474 | 0.442 | 0.368 | 0.381 | 0.383 | 0.288 | 0.411 |
| % OF TOTAL PLANT FLOW | 10.62% | 11.41% | 11.93% | 11.92% | 13.28% | 11.41% | 9.99% | 9.08% | 9.35% | 9.56% | 8.94% | 9.93% |
| % of 1.29 MGD Allocated Flow | 31.3% | 30.9% | 33.6% | 30.3% | 36.4% | 36.7% | 34.3% | 28.5% | 29.5% | 29.7% | 22.3% | 31.9% |
| CALEDONIA CHARTER TOWNSHIP | | | | | | | | | | | | |
| TOTAL FLOW (MG) | 101.9 | 87.9 | 93.8 | 77.8 | 86.6 | 93.8 | 112.5 | 119.1 | 118.7 | 117.8 | 102.5 | 110.8 |
| AVERAGE FLOW (MGD) | 0.279 | 0.241 | 0.257 | 0.213 | 0.237 | 0.256 | 0.308 | 0.326 | 0.325 | 0.322 | 0.281 | 0.304 |
| % OF TOTAL PLANT FLOW | 7.31% | 6.91% | 7.06% | 6.50% | 6.72% | 6.17% | 6.97% | 8.06% | 7.98% | 8.04% | 8.70% | 7.33% |
| % of 0.98 MGD Allocated Flow | 28.5% | 24.6% | 26.2% | 21.8% | 24.2% | 26.1% | 31.4% | 33.3% | 33.2% | 32.9% | 28.7% | 31.0% |
| CORUNNA | | | | | | | | | | | | |
| TOTAL FLOW (MG) | 177.1 | 160.4 | 179.3 | 157.6 | 166.2 | 186.2 | 207.3 | 176.1 | 182.8 | 184.8 | 153.1 | 194.1 |
| AVERAGE FLOW (MGD) | 0.485 | 0.440 | 0.491 | 0.432 | 0.455 | 0.509 | 0.568 | 0.482 | 0.501 | 0.505 | 0.420 | 0.532 |
| % OF TOTAL PLANT FLOW | 12.72% | 12.61% | 13.50% | 13.17% | 12.89% | 12.24% | 12.84% | 11.92% | 12.28% | 12.60% | 13.00% | 12.83% |
| % of 0.55 MGD Allocated Flow | 88.2% | 80.0% | 89.3% | 78.5% | 82.7% | 92.5% | 103.3% | 87.6% | 91.1% | 91.8% | 76.4% | 96.7% |
| TOTAL PLANT FLOW | | | | | | | | | | | | |
| TOTAL FLOW (MG) | 1394.7 | 1272.3 | 1327.8 | 1196.6 | 1288.8 | 1521.8 | 1614.3 | 1477.3 | 1488.1 | 1466.3 | 1178.0 | 1512.5 |
| AVERAGE FLOW (MGD) | 3.821 | 3.486 | 3.638 | 3.278 | 3.531 | 4.158 | 4.423 | 4.047 | 4.077 | 4.006 | 3.227 | 4.144 |
| % of 6 MGD Design Flow | 63.66% | 58.10% | 60.63% | 54.64% | 58.85% | 69.30% | 73.72% | 67.45% | 67.95% | 66.77% | 53.78% | 69.07% |
| PRECIPITATION (INCHES) | 37.33 | 39.01 | 42.85 | 29.64 | 36.84 | 41.7 | 42.13 | 37.99 | 36.28 | 38.15 | 30.59 | 35.52 |

MG = MILLION GALLONS

MGD = MILLION GALLONS / DAY