

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

MEETING NOTICE

DATE: November 28, 2023 (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 26, 2023*
4. Secretary's Report
 - a) Plant Performance Summary (Sep-Oct 2023)*
 - b) Plant Operations and staffing
 - c) WWTP project updates: Solids Handling Project, Phase I
5. Old Business
 - a) Hydrogen Sulfide Study*
 1. Utility Authority Plan Progress
6. New Business
 - a) NONE
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.

PLEASE TAKE NOTICE THAT THE FOLLOWING MEETING WILL BE 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 November 28, 2023.

OWOSSO MID-COUNTY WWTP REVIEW BOARD

Tuesday, November 28, 2023

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/89118810411?pwd=WXA4QndqVINxbTBiMjBJdHU0dENHUT09>
- **Meeting ID:** 891 1881 0411
- **Password:** 827772
- **One tap mobile**
+13126266799,,89118810411#,,,827772# US (Chicago)
+16465588656,,89118810411#,,,827772# US (New York)
- **Dial by your location**
+1 312 626 6799 US (Chicago)
+1 646 558 8656 US (New York)
- **For video instructions visit:**
 - o Signing up and Downloading Zoom <https://youtu.be/qsy2Ph6kSf8>
 - o Joining a Zoom Meeting <https://youtu.be/hlkCmbvAHQQ>
 - o 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 November 28, 2023 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 MINUTES - DRAFT

September 26, 2023

4:30 P.M.

W.W.T.P.

1. Roll (4:31 P.M.)
Members Present: R. Holzheuer, R. Suchanek, J. Archer
Members Absent (no Alternate present): J. Sawyer
Others Present: T. Guysky, WWTP Superintendent/Board Secretary
B. Langtry, Owosso Twp/Caledonia Twp Utility Authority
J. Bloomfield, Owosso Twp/Caledonia Twp Utility Authority
2. Agenda Approval: Motion by Holzheuer to approve meeting agenda as presented. Support by Archer. No discussion. Motion carries 3-0.
3. Minutes of the July 25, 2023 meeting: Motion by Suchanek to approve the July 25, 2023 meeting minutes. Support by Holzheuer. No Discussion. Motion carries 3-0.
4. Secretary's Report:
 - a) Plant Performance Summary (June 2023): Guysky noted full permit compliance for July 2023 and one permit violation for August 2023 (Hexachlorobenzene concentration exceedance). He gave background on Hexachlorobenzene in wastewater, its inclusion in the WWTP NPDES permit and the strategy going forward for source identification.
 - b) Plant Operations and Staffing: Guysky noted good, efficient plant performance and full staffing.
 - c) WWTP Project Updates: Guysky updated the Board on the current projects. The Solids Handling Project contractors have remobilized, the building issues have been corrected and the project is proceeding on a schedule that will have equipment started up in mid December. The Phase I project will begin October 12. Suchanek noted the City has pursued additional funding options to get the nitrification tower rehab back in this project, but has not been successful. He also noted the next project (new secondary clarifier) is slated for construction beginning fall 2024.
5. Old Business:
 - a) Hydrogen Sulfide Study
 1. Utility Authority Plan Progress: Langtry updated the Board on the Owosso Township-Caledonia Township Utility Authority efforts toward H₂S mitigation. Chemical treatment has been in place since late July and seems to be making a difference at Station 8. Guysky noted the presence of H₂S at the plant in the screening room, perhaps slightly

less than last year. The City's Odalogger will be deployed in the township sewer system to provide some data as well.

6. New Business:
NONE
7. Citizens'/Members' Comments:
NONE
8. Adjourn: Motion to adjourn by Holzheuer. Support by Suchanek. No discussion. Motion carries 3-0. Meeting adjourned at 5:03 p.m.

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

Draft

PLANT PERFORMANCE SUMMARY

| | PERMIT LIMIT | CURRENT YEAR SEPTEMBER 2023 | | | PREVIOUS YEAR SEPTEMBER 2022 | |
|--|------------------|---------------------------------|-------------|------|---------------------------------|--|
| PLANT FLOW | | | | | | |
| AVERAGE | No Limit | 2.87 | MGD | 2.17 | MGD | |
| MAXIMUM | No Limit | 3.80 | MGD | 2.75 | MGD | |
| PRECIPITATION | | 1.86 | Inches | 2.47 | Inches | |
| CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5) | | | | | | |
| "30 Day" Average | 10 mg/L | 3.3 | mg/L | 2.2 | mg/L | |
| Maximum 7 Day Average | No Limit | 4.2 | mg/L | 2.7 | mg/L | |
| Maximum Day | 15 mg/L | 6.8 | mg/L | 3.4 | mg/L | |
| "30 Day" Average | 500 lbs/day | 80 | lbs/day | 40 | lbs/day | |
| Maximum 7 Day Average | 730 lbs/day | 116 | lbs/day | 54 | lbs/day | |
| Percent Removal | No Limit | 96 | % | 98 | % | |
| TOTAL SUSPENDED SOLIDS (T.S.S.) | | | | | | |
| "30 Day" Average | 30 mg/L | 4 | mg/L | 2 | mg/L | |
| Maximum 7 Day Average | 45 mg/L | 5 | mg/L | 3 | mg/L | |
| "30 Day" Average | 1500 lbs/day | 98 | lbs/day | 45 | lbs/day | |
| Maximum 7 Day Average | 2300 lbs/day | 147 | lbs/day | 58 | lbs/day | |
| Percent Removal | 85% | 98 | % | 99 | % | |
| AMMONIA NITROGEN (NH3-N) | | | | | | |
| "30 Day" Average | No Limit | 0.07 | mg/L | 0.15 | mg/L | |
| Maximum Day | 3.0 mg/L | 0.74 | mg/L | 1.45 | mg/L | |
| "30 Day" Average | No Limit | 2.0 | lbs/day | 3.2 | lbs/day | |
| Maximum 7 Day Average | 150 lbs/day | 5.8 | lbs/day | 11.5 | lbs/day | |
| TOTAL PHOSPHORUS | | | | | | |
| "30 Day" Average | 1.0 mg/l | 0.78 | mg/L | 0.61 | mg/L | |
| "30 Day" Average | 50 lbs/day | 19 | lbs/day | 11 | lbs/day | |
| DISSOLVED OXYGEN | | | | | | |
| Minimum | G.T. 6.0 mg/L | 8.9 | mg/L | 8.5 | mg/L | |
| pH | | | | | | |
| Maximum | L.T. 9.0 | 8.74 | | 8.47 | | |
| Minimum | G.T. 6.5 | 8.35 | | 8.00 | | |
| TOTAL RESIDUAL CHLORINE (TRC) | | | | | | |
| Maximum | 38 ug/L | < 10 | ug/L | < 10 | ug/L | |
| FECAL COLIFORM | | | | | | |
| "30 Day" Mean | 200 Col./100 mls | 6 | Col./100mls | 10 | Col./100mls | |
| Maximum 7 Day Mean | 400 Col./100mls | 20 | Col./100mls | 17 | Col./100mls | |
| COMPLIANCE | | Complied with all permit limits | | | 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 2023 | | | PREVIOUS YEAR OCTOBER 2022 | | |
|--|------------------|---------------------------------|-------------|--|---------------------------------|-------------|--|
| PLANT FLOW | | | | | | | |
| AVERAGE | No Limit | 3.40 | MGD | | 2.15 | MGD | |
| MAXIMUM | No Limit | 5.67 | MGD | | 2.76 | MGD | |
| PRECIPITATION | | 5.12 | Inches | | 2.31 | Inches | |
| CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5) | | | | | | | |
| "30 Day" Average | 18 mg/L | 3.6 | mg/L | | 2.8 | mg/L | |
| Maximum 7 Day Average | No Limit | 4.9 | mg/L | | 3.4 | mg/L | |
| Maximum Day | 27 mg/L | 7.1 | mg/L | | 5.3 | mg/L | |
| "30 Day" Average | 900 lbs/day | 104 | lbs/day | | 50 | lbs/day | |
| Maximum 7 Day Average | 1400 lbs/day | 182 | lbs/day | | 62 | lbs/day | |
| Percent Removal | No Limit | 96 | % | | 98 | % | |
| TOTAL SUSPENDED SOLIDS (T.S.S.) | | | | | | | |
| "30 Day" Average | 30 mg/L | 6 | mg/L | | 2 | mg/L | |
| Maximum 7 Day Average | 45 mg/L | 11 | mg/L | | 3 | mg/L | |
| "30 Day" Average | 1500 lbs/day | 173 | lbs/day | | 41 | lbs/day | |
| Maximum 7 Day Average | 2300 lbs/day | 411 | lbs/day | | 47 | lbs/day | |
| Percent Removal | 85% | 96 | % | | 99 | % | |
| AMMONIA NITROGEN (NH3-N) | | | | | | | |
| "30 Day" Average | No Limit | 0.40 | mg/L | | 0.50 | mg/L | |
| Maximum Day | 11 mg/L | 2.01 | mg/L | | 1.71 | mg/L | |
| "30 Day" Average | No Limit | 13.5 | lbs/day | | 9.3 | lbs/day | |
| Maximum 7 Day Average | 550 lbs/day | 35.8 | lbs/day | | 19.3 | lbs/day | |
| TOTAL PHOSPHORUS | | | | | | | |
| "30 Day" Average | 1.0 mg/l | 0.70 | mg/L | | 0.79 | mg/L | |
| "30 Day" Average | 50 lbs/day | 18 | lbs/day | | 14 | lbs/day | |
| DISSOLVED OXYGEN | | | | | | | |
| Minimum | G.T. 5.0 mg/L | 8.0 | mg/L | | 9.1 | mg/L | |
| pH | | | | | | | |
| Maximum | L.T. 9.0 | 8.57 | | | 8.48 | | |
| Minimum | G.T. 6.5 | 7.02 | | | 8.16 | | |
| TOTAL RESIDUAL CHLORINE (TRC) | | | | | | | |
| Maximum | 0.038 mg/L | < 10 | ug/L | | < 10 | ug/L | |
| FECAL COLIFORM | | | | | | | |
| "30 Day" Mean | 200 Col./100 mls | 14 | Col./100mls | | 3 | Col./100mls | |
| Worst 7 Day Mean | 400 Col./100mls | 121 | Col./100mls | | 17 | 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