

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 March 28, 2023.

OWOSSO MID-COUNTY WWTP REVIEW BOARD
Tuesday, March 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.guisky@ci.owosso.mi.us a minimum of 24 hours prior to the meeting.

VIRTUAL OPTION DETAILS:

- **Join Zoom Meeting:**
<https://us02web.zoom.us/j/84684863721?pwd=ZXlMbVlldzdxhHFYTDhpTWF5Zk13Zz09>
- **Meeting ID:** 846 8486 3721
- **Password:** 749498
- **One tap mobile**
+16465588656,, 84684863721#,,,,*749498# US (New York)
+13126266799,, 84684863721#,,,,*749498# US (Chicago)
- **Dial by your location**
+1 646 558 8656 US (New York)
+1 312 626 6799 US (Chicago)
- **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 March 28, 2023 may do so by calling or e-mailing the WWTP Superintendent prior to the meeting at (989)725-0562 or timothy.guisky@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.guisky@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: March 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. Previous Meeting Minutes
 - a) February 28, 2023*
3. Secretary's Report
 - a) Plant Performance Summary (February 2023) *
 - b) Plant Operations and staffing
 - c) WWTP project updates: Solids Handling Project; Secondary/Tertiary Process Rehab
4. Old Business
 - a) Hydrogen Sulfide Study*
5. New Business
NONE
6. Citizens'/Members' comments
7. Adjourn

Tim Guysky, Secretary

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

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

February 28, 2023

4:30 P.M.

W.W.T.P.

1. Roll (4:30 P.M.)
Members Present: R. Holzheuer, R. Suchanek, J. Archer
Alternates Present: None
Others Present: T. Guysky, WWTP Superintendent/Board Secretary
B. Langtry, Owosso Twp/Caledonia Twp Utility Authority
B. VanZee, Fishbeck
2. Minutes of the September 27, 2022 meeting: Motion by Archer to approve the September 27, 2022 meeting minutes. Support by Holzheuer. No discussion. Motion carries 3-0.
3. Secretary's Report:
 - a) Plant Performance Summaries (September 2022-January 2023): Guysky noted full permit compliance for September 2022 through January 2023.
 - b) Plant Operations and Staffing: Guysky noted lower than average flows and efficient plant operations. The plant main breaker has been replaced and the old breaker has been reconditioned and will be kept as a backup. Numerous minor equipment failures are being resolved at minimum expense as most of these items will be replaced in the upcoming secondary/tertiary rehab project. Plant personnel are replacing several floor drain lines in the solids processing area as part of a cost saving measure within the ongoing project. There is an opening for a part-time lab technician and once that is filled, the plant will be at full staff.
 - c) WWTP Project Updates: Guysky notified the Board construction will resume on the solids handling project within the next week. Contractors de-mobilized for the winter due to long equipment lead times. At this point a November completion date is likely. The secondary/tertiary rehab project design phase is mostly complete, with process and equipment decisions made and final drawings near completion. VanZee noted bidding is scheduled for May 1, with construction possibly starting in October 2023.
4. Old Business:
 - a) Hydrogen Sulfide Mitigation: VanZee distributed hard copies of the review draft report, and summarized the causes and effects detailed within. There was opportunity for questions and comments and Archer raised a technical question regarding the chemical treatment option, with a response from VanZee. Suchanek noted that the City of Owosso, as owner/operator of the wastewater treatment plant, is directing the Owosso Township/Caledonia Township Utility Authority to present an H2S mitigation action plan to the Board at the April 25, 2023 meeting. This plan should address corrective measures for the high H2S concentrations measured in the Caledonia Township/Corunna collection system. Following review, he noted the City of Owosso is requiring the Utility Authority to submit progress updates at each monthly Review Board meeting beginning in May 2023. He further noted that the City of Owosso is requiring the Utility Authority to have any chemical treatment in place and working by August 1, 2023, and if a construction option is instead chosen for mitigation, the City of Owosso requires the Utility Authority to submit

engineered drawings by August 1, 2023 and also install a temporary chemical treatment system until the construction is complete. Guysky offered his assistance to the Utility Authority in determining the cause of some regular H2S concentration spikes measured in the Owosso Township collection system. There were no further questions or comments.

5. New Business:

- a) 2022 WWTP Flow Summary: Guysky noted low precipitation totals for 2022, which led to lower than average plant flows. All service units were within allocated flow percentages.
- b) Continuation of Virtual Option for WWTP Review Board Meetings: The Board discussed whether to continue offering a virtual option for public viewing of the Review Board meetings. It was noted that Owosso City Council offers a virtual option with a video feed, and virtual participants are not allowed to comment during the comments periods, though they can submit comments/questions in writing 24 hours prior to the meeting. Motion by Suchanek to maintain virtual attendance option for the public, with no comments allowed from virtual attendees and written comments submitted no later than 24 hours prior to the meeting allowed. Support by Archer. No further discussion. Motion carries 3-0.

6. Citizens'/Members' Comments:

Langtry noted the Utility Authority is planning on replacing the air/vacuum relief unit on the Hintz Road force main.

7. Adjourn: Motion to adjourn by Suchanek. Support by Holzheuer. No discussion. Motion carries 3-0. Meeting adjourned at 5:11 p.m.

Respectfully submitted, Timothy J. Guysky, Secretary

Approved by Review Board pending

PLANT PERFORMANCE SUMMARY

	PERMIT LIMIT	CURRENT YEAR FEBRUARY 2023		PREVIOUS YEAR FEBRUARY 2022	
PLANT FLOW					
AVERAGE	No Limit	3.01	MGD	4.48	MGD
MAXIMUM	No Limit	5.17	MGD	8.78	MGD
PRECIPITATION		2.79	Inches	3.25	Inches
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5)					
"30 Day" Average	25 mg/L	3.0	mg/L	5.4	mg/L
Worst 7 Day Average	NO LIMIT	3.9	mg/L	9.7	mg/L
Maximum Day	40 mg/L	8.2	mg/L	14.1	mg/L
"30 Day" Average	1300 lbs/day	86	lbs/day	253	lbs/day
Maximum 7 Day Average	2000 lbs/day	129	lbs/day	609	lbs/day
Percent Removal	85%	96	%	92	%
TOTAL SUSPENDED SOLIDS (T.S.S.)					
"30 Day" Average	30 mg/L	5	mg/L	7	mg/L
Maximum 7 Day Average	45 mg/L	5	mg/L	13	mg/L
"30 Day" Average	1500 lbs/day	125	lbs/day	336	lbs/day
Maximum 7 Day Average	2300 lbs/day	165	lbs/day	855	lbs/day
Percent Removal	85%	98	%	95	%
AMMONIA NITROGEN (NH3-N)					
"30 Day" Average	11 mg/L	0.21	mg/L	0.81	mg/L
Maximum Day	15 mg/L	1.46	mg/L	3.65	mg/L
"30 Day" Average	530 lbs/day	7.7	lbs/day	47.7	lbs/day
Maximum 7 Day Average	750 lbs/day	29	lbs/day	123.8	lbs/day
TOTAL PHOSPHORUS					
"30 Day" Average	1.0 mg/l	0.54	mg/L	0.69	mg/L
Maximum Day	No Limit	0.78	mg/L	0.97	mg/L
Maximum Day	No Limit	34	lbs/day	70	lbs/day
"30 Day" Average	50 lbs/day	14	lbs/day	25	lbs/day
DISSOLVED OXYGEN					
Minimum	G.T. 3.0 mg/L	10.7	mg/L	10.8	mg/L
pH					
Maximum	L.T. 9.0	8.66		8.48	
Minimum	G.T. 6.5	8.16		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	6	Col./100mls	8	Col./100mls
Maximum 7 Day Mean	400 Col./100mls	25	Col./100mls	127	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