

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 November 26, 2024.

OWOSSO MID-COUNTY WWTP REVIEW BOARD

Tuesday, November 26, 2024

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/86977961339?pwd=G0HVY5Wy6q4WsS5VLAs76u3q90bvOw.1>
- **Meeting ID:** 869 7796 1339
- **Password:** 672892
- **One tap mobile**
+13052241968,,86977961339#,,,,*672892# US
+13092053325,,86977961339#,,,,*672892# US
- **Dial by your location**
+1 305 224 1968 US
+1 309 205 3325 US
- **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 November 26, 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: November 26, 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 – October 2024)*
 - b) Plant Operations and staffing
 - c) WWTP project updates: Solids Handling Project, Phase I, Secondary Clarifier
5. Old Business
 - a) Hydrogen Sulfide Study
 1. Utility Authority Plan Progress
 - b) Equivalent Sewer Use Ordinances
 1. Owosso Township Update
 2. Caledonia Township Update
 3. Utility Authority Update
6. New Business
NONE
7. Citizens'/Members' comments
8. Adjourn

Tim Guysky, Secretary

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

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**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

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