

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

MEETING NOTICE

DATE: August 27, 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) May 28, 2024*
4. Secretary's Report
 - a) Plant Performance Summary (May – July 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
6. New Business
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 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 August 27, 2024.

OWOSSO MID-COUNTY WWTP REVIEW BOARD

Tuesday, August 27, 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/85075616669?pwd=40rzJh27YSOljw9KR4ZbAOrHwXibbu.1>
- **Meeting ID:** 850 7561 6669
- **Password:** 136267
- **One tap mobile**
+13052241968,,85075616669#,,,,*136267# US
+13092053325,,85075616669#,,,,*136267# 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 August 27, 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 MINUTES - DRAFT**

May 28, 2024

4:30 P.M.

W.W.T.P.

1. Roll (4:32 P.M.)
Members Present: R. Holzheuer, R. Suchanek
Alternates Present: G. Schultz
Members Absent (no Alternate present): J. Sawyer
Others Present: T. Guysky, WWTP Superintendent/Board Secretary
J. Bloomfield, Owosso Twp/Caledonia Twp Utility Authority
2. Agenda Approval: Motion by Suchanek to approve meeting agenda as presented. Support by Holzheuer. No discussion. Motion carries 3-0.
3. Minutes of the April 23, 2024 meeting: Motion by Holzheuer to approve the April 23, 2024 meeting minutes. Support by Suchanek. No Discussion. Motion carries 3-0.
4. Secretary's Report:
 - a) Plant Performance Summary (April 2024): Guysky noted full permit compliance for April 2024.
 - b) Plant Operations and Staffing: Guysky noted current chemical dosing difficulties with respect to disinfection. The plant has filled the open Operator/Mechanic position and is currently at full staff.
 - c) WWTP Project Updates: Guysky updated the Board on the current projects. The Solids Handling Project is nearing completion, with all equipment operational and only punch list items to complete. The Phase I Project work is progressing at the expected pace thus far, with major demolition and underground work nearing completion. The Secondary Clarifier Project design phase is currently out for bids, with construction expected to start in Fall 2024. .
5. Old Business:
 - a) Hydrogen Sulfide Study
 1. Utility Authority Plan Progress: Bloomfield updated the Board on the Owosso Township-Caledonia Township Utility Authority efforts toward H2S mitigation. Chemical application will resume at the start of the upcoming H2S season and continue for the duration. Consulting firm proposals are being reviewed and a selection will be made within the upcoming weeks.
 - b) FY 2024/25 Service Unit Charges: General discussion concerning calculation method of Operation & Maintenance and Replacement Charges. Motion by Holzheuer to approve the

Fiscal Year 2024/25 Operation and Maintenance Charge of \$2,041,853 to be billed monthly to service units at \$170,154 proportioned by metered flow. Support by Schultz. No discussion. Motion carries 3-0. Motion by Holzheuer to approve the Fiscal Year 2024/25 Replacement Charge of \$414,266, with \$288,661 proportioned by metered flow and \$125,605 by contract percentage to be billed monthly to service units at \$34,522. Support by Schultz. No discussion. Vote carries 3-0. General discussion on Fiscal Year 2024/25 Debt Service charge.

6. New Business:

- a) Equivalent Sewer Use Ordinance: Discussion concerning the requirement for service units to have sewer use ordinances with language equivalent to the City of Owosso. Guysky noted items that need correction from Owosso Township, Caledonia Township and Utility Authority ordinances, and also noted a current Industrial Pretreatment Program need that requires the corrections be completed as soon as possible.

7. Citizens'/Members' Comments:

NONE

8. Adjourn: Motion to adjourn by Suchanek. Support by Schultz. No discussion. Motion carries 3-0. Meeting adjourned at 5:30 p.m.

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

PLANT PERFORMANCE SUMMARY

	PERMIT LIMIT	CURRENT YEAR MAY 2024		PREVIOUS YEAR MAY 2023
PLANT FLOW				
AVERAGE	No Limit	3.63	MGD	3.15 MGD
MAXIMUM	No Limit	4.90	MGD	4.19 MGD
PRECIPITATION		3.26	Inches	0.95 Inches
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5)				
"30 Day" Average	25 mg/L	5.6	mg/L	3.1 mg/L
Maximum 7 Day Average	NO LIMIT	17.4	mg/L	3.6 mg/L
Maximum Day	40 mg/L	12.0	mg/L	12.0 mg/L
"30 Day" Average	1300 lbs/day	168	lbs/day	83 lbs/day
Maximum 7 Day Average	2000 lbs/day	552	lbs/day	119 lbs/day
Percent Removal	85%	91	%	95 %
TOTAL SUSPENDED SOLIDS (T.S.S.)				
"30 Day" Average	30 mg/L	15	mg/L	6 mg/L
Maximum 7 Day Average	45 mg/L	17	mg/L	10 mg/L
"30 Day" Average	1500 lbs/day	450	lbs/day	168 lbs/day
Maximum 7 Day Average	2300 lbs/day	552	lbs/day	324 lbs/day
Percent Removal	85%	90	%	96 %
AMMONIA NITROGEN (NH3-N)				
"30 Day" Average	11 mg/L	0.25	mg/L	0.06 mg/L
Maximum Day	15 mg/L	0.52	mg/L	0.12 mg/L
"30 Day" Average	530 lbs/day	7.7	lbs/day	1.5 lbs/day
Maximum 7 Day Average	750 lbs/day	15.7	lbs/day	2.5 lbs/day
TOTAL PHOSPHORUS				
"30 Day" Average	1.0 mg/l	0.9	mg/L	0.9 mg/L
"30 Day" Average	50 lbs/day	27	lbs/day	24 lbs/day
DISSOLVED OXYGEN				
Minimum	G.T. 3.0 mg/L	9.0	mg/L	7.4 mg/L
pH				
Maximum	L.T. 9.0	7.88		8.55
Minimum	G.T. 6.5	7.31		7.81
TOTAL RESIDUAL CHLORINE (TRC)				
Maximum	38 ug/L	< 10	ug/L	< 10 ug/L
FECAL COLIFORM				
"30 Day" Mean	200 Col./100 mls	255	Col./100mls	9 Col./100mls
Maximum 7 Day Mean	400 Col./100mls	1618	Col./100mls	27 Col./100mls
COMPLIANCE		Complied with all permit limits except Fecal Coliform 30 Day Mean and Max 7 Day Mean		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 JUNE 2024	PREVIOUS YEAR JUNE 2023
PLANT FLOW			
AVERAGE	No Limit	2.97 MGD	2.34 MGD
MAXIMUM	No Limit	4.12 MGD	2.77 MGD
PRECIPITATION		4.74 Inches	1.77 Inches
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5)			
"30 Day" Average	15 mg/L	7.2 mg/L	2.5 mg/L
Maximum 7 Day Average	No Limit	12.3 mg/L	3.2 mg/L
Maximum Day	23 mg/L	20.0 mg/L	4.2 mg/L
"30 Day" Average	750 lbs/day	183 lbs/day	50 lbs/day
Maximum 7 Day Average	1100 lbs/day	313 lbs/day	67 lbs/day
Percent Removal	No Limit	89 %	97 %
TOTAL SUSPENDED SOLIDS (T.S.S.)			
"30 Day" Average	30 mg/L	14 mg/L	3 mg/L
Maximum 7 Day Average	45 mg/L	19 mg/L	4 mg/L
"30 Day" Average	1500 lbs/day	343 lbs/day	65 lbs/day
Maximum 7 Day Average	2300 lbs/day	477 lbs/day	87 lbs/day
Percent Removal	85%	92 %	98 %
AMMONIA NITROGEN (NH3-N)			
"30 Day" Average	No Limit	2.35 mg/L	0.06 mg/L
Maximum Day	8.0 mg/L	7.84 mg/L	0.28 mg/L
"30 Day" Average	No Limit	62.2 lbs/day	1.2 lbs/day
Maximum 7 Day Average	400 lbs/day	124 lbs/day	2.0 lbs/day
TOTAL PHOSPHORUS			
"30 Day" Average	1.0 mg/l	0.94 mg/L	0.76 mg/L
"30 Day" Average	50 lbs/day	24 lbs/day	15 lbs/day
DISSOLVED OXYGEN			
Minimum	G.T. 5.0 mg/L	8.5 mg/L	9.1 mg/L
pH			
Maximum	L.T. 9.0	7.93	8.46
Minimum	G.T. 6.5	7.36	8.12
TOTAL RESIDUAL CHLORINE (TRC)			
Maximum	38 ug/L	< 10 ug/L	< 10 ug/L
FECAL COLIFORM			
"30 Day" Mean	200 Col./100 mls	28 Col./100mls	4 Col./100mls
Maximum 7 Day Mean	400 Col./100mls	1618 Col./100mls	7 Col./100mls
COMPLIANCE		Complied with all permit limits except Fecal Coliform Maximum 7 Day Mean	Complied with all permit limits

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PLANT PERFORMANCE SUMMARY

	PERMIT LIMIT		CURRENT YEAR JULY 2024	PREVIOUS YEAR JULY 2023
PLANT FLOW				
AVERAGE	No Limit		3.72 MGD	2.94 MGD
MAXIMUM	No Limit		7.81 MGD	6.51 MGD
PRECIPITATION			6.41 Inches	8.41 Inches
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5)				
"30 Day" Average	10 mg/L		6.0 mg/L	3.0 mg/L
Maximum 7 Day Average	No Limit		8.7 mg/L	4.9 mg/L
Maximum Day	15 mg/L		11.7 mg/L	10.3 mg/L
"30 Day" Average	500 lbs/day		206 lbs/day	89 lbs/day
Maximum 7 Day Average	730 lbs/day		380 lbs/day	211 lbs/day
Percent Removal	No Limit		90 %	96 %
TOTAL SUSPENDED SOLIDS (T.S.S.)				
"30 Day" Average	30 mg/L		13 mg/L	4 mg/L
Maximum 7 Day Average	45 mg/L		18 mg/L	8 mg/L
"30 Day" Average	1500 lbs/day		452 lbs/day	123 lbs/day
Maximum 7 Day Average	2300 lbs/day		792 lbs/day	331 lbs/day
Percent Removal	85%		92 %	98 %
AMMONIA NITROGEN (NH3-N)				
"30 Day" Average	No Limit		0.70 mg/L	0.21 mg/L
Maximum Day	3.0 mg/L		3.68 mg/L	1.99 mg/L
"30 Day" Average	No Limit		24.7 lbs/day	8.7 lbs/day
Maximum 7 Day Average	150 lbs/day		88.9 lbs/day	31.9 lbs/day
TOTAL PHOSPHORUS				
"30 Day" Average	1.0 mg/l		0.74 mg/L	0.59 mg/L
"30 Day" Average	50 lbs/day		24 lbs/day	15 lbs/day
DISSOLVED OXYGEN				
Minimum	G.T. 6.0 mg/L		8.2 mg/L	9.0 mg/L
pH				
Maximum	L.T. 9.0		7.95	8.50
Minimum	G.T. 6.5		7.10	8.13
TOTAL RESIDUAL CHLORINE (TRC)				
Maximum	38 ug/L	< 10 ug/L	< 10 ug/L	< 10 ug/L
FECAL COLIFORM				
"30 Day" Mean	200 Col./100 mls		63 Col./100mls	32 Col./100mls
Maximum 7 Day Mean	400 Col./100mls		143 Col./100mls	224 Col./100mls
COMPLIANCE			Complied with all permit limits except Ammonia Nitrogen maximum day	Complied with all permit limits

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