

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

MEETING NOTICE

DATE: April 23, 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) January 23, 2024*
4. Secretary's Report
 - a) Plant Performance Summary (Jan-Mar 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
6. New Business
 - a) FY 2024/25 Service Unit Charges
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 April 23, 2024.

OWOSSO MID-COUNTY WWTP REVIEW BOARD

Tuesday, April 23, 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/84229935202?pwd=WUw4M2Q4K1FoQ1V6TENnSHFURGNXQT09>
- **Meeting ID:** 842 2993 5202
- **Password:** 794551
- **One tap mobile**
+13092053325,,84229935202#,,,,*794551# US
+13126266799,,84229935202#,,,,*794551# US (Chicago)
- **Dial by your location**
+1 309 205 3325 US
+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 April 23, 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**

January 23, 2024

4:30 P.M.

W.W.T.P.

1. Roll (4:30 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 Suchanek to approve meeting agenda as presented. Support by Holzheuer. No discussion. Motion carries 3-0.
3. Minutes of the November 28, 2023 meeting: Motion by Suchanek to approve the November 28, 2023 meeting minutes. Support by Archer. No Discussion. Motion carries 3-0.
4. Secretary's Report:
 - a) Plant Performance Summary (Nov-Dec 2023): Guysky noted and discussed Hexachlorobenzene permit exceedance for November 2023 and CBOD5 and Fecal Coliform exceedances for December 2023, related specifically to process bypasses required by Phase I construction.
 - b) Plant Operations and Staffing: Guysky noted full staffing currently. He also noted the modified plant process has been producing good quality effluent since the December permit exceedances.
 - c) WWTP Project Updates: Guysky updated the Board on the current projects. The Solids Handling Project is progressing, with startup scheduled for late February. The Phase I Project work is progressing at the expected pace thus far. The Secondary Clarifier Project is currently in design phase with construction expected to start 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. Attempts will be made to keep wet wells cleaned out, with drying bed use coordinated with the wastewater plant. Chemical application will resume at the start of the upcoming H2S season and continue for the duration. Permanent solutions will continue to be explored, with the Authority possibly soliciting proposals from consulting firms.

6. New Business:
 - a) 2023 Service Unit Flow Summary: Guysky noted all service units were within allotted capacities, and higher than average precipitation and lower than average plant flows in 2023.
 - b) Continuation of Public Virtual Option for Review Board Meetings: The Board discussed public attendance via virtual means. Currently virtual attendees are only allowed to comment by submitting an email 24 hours prior to the meeting. Motion by Archer to continue virtual option for public attendance as currently structured. Support by Holzheuer. No further discussion. Motion carries 3-0.
7. Citizens'/Members' Comments:

Suchanek commended the Board members for their efforts to effectively work together.
8. Adjourn: Motion to adjourn by Suchanek. Support by Holzheuer. No discussion. Motion carries 3-0. Meeting adjourned at 5:14 p.m.

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

PLANT PERFORMANCE SUMMARY

	PERMIT LIMIT	CURRENT YEAR JANUARY 2024		PREVIOUS YEAR JANUARY 2023	
PLANT FLOW					
AVERAGE	No Limit	5.63	MGD	2.38	MGD
MAXIMUM	No Limit	12.86	MGD	2.57	MGD
PRECIPITATION		3.97	Inches	1.91	Inches
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5)					
"30 Day" Average	25 mg/L	7.3	mg/L	3.1	mg/L
Worst 7 Day Average	NO LIMIT	9.7	mg/L	4.1	mg/L
Maximum Day	40 mg/L	12.0	mg/L	5.6	mg/L
"30 Day" Average	1300 lbs/day	351	lbs/day	62	lbs/day
Maximum 7 Day Average	2000 lbs/day	713	lbs/day	84	lbs/day
Percent Removal	85%	87	%	97	%
TOTAL SUSPENDED SOLIDS (T.S.S.)					
"30 Day" Average	30 mg/L	15	mg/L	4	mg/L
Maximum 7 Day Average	45 mg/L	23	mg/L	4	mg/L
"30 Day" Average	1500 lbs/day	768	lbs/day	73	lbs/day
Maximum 7 Day Average	2300 lbs/day	1740	lbs/day	88	lbs/day
Percent Removal	85%	86	%	98	%
AMMONIA NITROGEN (NH3-N)					
"30 Day" Average	11 mg/L	1.26	mg/L	0.17	mg/L
Maximum Day	15 mg/L	2.78	mg/L	0.99	mg/L
"30 Day" Average	530 lbs/day	55	lbs/day	3	lbs/day
Maximum 7 Day Average	750 lbs/day	90	lbs/day	10	lbs/day
TOTAL PHOSPHORUS					
"30 Day" Average	1.0 mg/l	0.78	mg/L	0.71	mg/L
"30 Day" Average	50 lbs/day	36	lbs/day	14	lbs/day
DISSOLVED OXYGEN					
Minimum	G.T. 3.0 mg/L	9.5	mg/L	10.4	mg/L
pH					
Maximum	L.T. 9.0	7.87		8.38	
Minimum	G.T. 6.5	7.38		8.15	
TOTAL RESIDUAL CHLORINE (TRC)					
Maximum	38 ug/L	< 10	ug/L	< 10	ug/L
FECAL COLIFORM					
"30 Day" Mean	200 Col./100 mls	79	Col./100mls	4	Col./100mls
Maximum 7 Day Mean	400 Col./100mls	246	Col./100mls	52	Col./100mls
COMPLIANCE		Complied with all permit limits		Complied with all permit limits	

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

NOTE: ALL PERMIT LIMITS ARE MAXIMUMS UNLESS OTHERWISE INDICATED

PLANT PERFORMANCE SUMMARY

	PERMIT LIMIT	CURRENT YEAR FEBRUARY 2024		PREVIOUS YEAR FEBRUARY 2023	
PLANT FLOW					
AVERAGE	No Limit	4.56	MGD	3.01	MGD
MAXIMUM	No Limit	8.32	MGD	5.17	MGD
PRECIPITATION		0.34	Inches	2.79	Inches
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5)					
"30 Day" Average	25 mg/L	6.4	mg/L	3.0	mg/L
Worst 7 Day Average	NO LIMIT	9.0	mg/L	3.9	mg/L
Maximum Day	40 mg/L	8.8	mg/L	8.2	mg/L
"30 Day" Average	1300 lbs/day	240	lbs/day	86	lbs/day
Maximum 7 Day Average	2000 lbs/day	679	lbs/day	129	lbs/day
Percent Removal	85%	87	%	96	%
TOTAL SUSPENDED SOLIDS (T.S.S.)					
"30 Day" Average	30 mg/L	16	mg/L	5	mg/L
Maximum 7 Day Average	45 mg/L	24	mg/L	5	mg/L
"30 Day" Average	1500 lbs/day	604	lbs/day	125	lbs/day
Maximum 7 Day Average	2300 lbs/day	1776	lbs/day	165	lbs/day
Percent Removal	85%	87	%	98	%
AMMONIA NITROGEN (NH3-N)					
"30 Day" Average	11 mg/L	0.89	mg/L	0.21	mg/L
Maximum Day	15 mg/L	1.42	mg/L	1.46	mg/L
"30 Day" Average	530 lbs/day	29.3	lbs/day	7.7	lbs/day
Maximum 7 Day Average	750 lbs/day	90	lbs/day	28.6	lbs/day
TOTAL PHOSPHORUS					
"30 Day" Average	1.0 mg/l	0.95	mg/L	0.54	mg/L
Maximum Day	No Limit	1.40	mg/L	0.78	mg/L
Maximum Day	No Limit	60	lbs/day	34	lbs/day
"30 Day" Average	50 lbs/day	34	lbs/day	14	lbs/day
DISSOLVED OXYGEN					
Minimum	G.T. 3.0 mg/L	9.6	mg/L	10.7	mg/L
pH					
Maximum	L.T. 9.0	8.00		8.66	
Minimum	G.T. 6.5	7.25		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	45	Col./100mls	6	Col./100mls
Maximum 7 Day Mean	400 Col./100mls	238	Col./100mls	25	Col./100mls
COMPLIANCE		Complied with all permit limits		Complied with all permit limits	

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N.R. = ANALYSIS NOT REQUIRED

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PLANT PERFORMANCE SUMMARY

	PERMIT LIMIT	CURRENT YEAR MARCH 2024		PREVIOUS YEAR MARCH 2023	
PLANT FLOW					
AVERAGE	No Limit	3.99	MGD	4.77	MGD
MAXIMUM	No Limit	4.70	MGD	9.22	MGD
PRECIPITATION		2.69	Inches	4.17	Inches
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5)					
"30 Day" Average	25 mg/L	6.3	mg/L	3.9	mg/L
Worst 7 Day Average	No Limit	6.8	mg/L	4.6	mg/L
Maximum Day	40 mg/L	8.1	mg/L	6.4	mg/L
"30 Day" Average	1300 lbs/day	206	lbs/day	152	lbs/day
Maximum 7 Day Average	2000 lbs/day	227	lbs/day	204	lbs/day
Percent Removal	85%	90	%	92	%
TOTAL SUSPENDED SOLIDS (T.S.S.)					
"30 Day" Average	30 mg/L	15	mg/L	8	mg/L
Maximum 7 Day Average	45 mg/L	21	mg/L	10	mg/L
"30 Day" Average	1500 lbs/day	496	lbs/day	305	lbs/day
Maximum 7 Day Average	2300 lbs/day	616	lbs/day	400	lbs/day
Percent Removal	85%	89	%	93	%
AMMONIA NITROGEN (NH3-N)					
"30 Day" Average	11 mg/L	1.04	mg/L	0.07	mg/L
Maximum Day	15 mg/L	2.29	mg/L	0.18	mg/L
"30 Day" Average	530 lbs/day	33.3	lbs/day	2.9	lbs/day
Maximum 7 Day Average	750 lbs/day	61.1	lbs/day	32.0	lbs/day
TOTAL PHOSPHORUS					
"30 Day" Average	1.0 mg/l	0.75	mg/L	0.51	mg/L
"30 Day" Average	50 lbs/day	25	lbs/day	20	lbs/day
DISSOLVED OXYGEN					
Minimum	G.T. 3.0 mg/L	7.2	mg/L	10.9	mg/L
pH					
Maximum	L.T. 9.0	7.71		8.53	
Minimum	G.T. 6.5	6.77		8.24	
TOTAL RESIDUAL CHLORINE (TRC)					
Maximum	38 ug/L	< 10	ug/L	< 10	ug/L
FECAL COLIFORM					
"30 Day" Mean	200 Col./100 mls	12	Col./100mls	32	Col./100mls
Maximum 7 Day Mean	400 Col./100mls	80	Col./100mls	80	Col./100mls
COMPLIANCE		Complied with all permit limits		Complied with all permit limits	

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