

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

MEETING NOTICE

DATE: September 26, 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) July 25, 2023*
4. Secretary's Report
 - a) Plant Performance Summary (July-Aug 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 September 26, 2023.

OWOSSO MID-COUNTY WWTP REVIEW BOARD

Tuesday, September 26, 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/84261894483?pwd=bGpUK2l5bmFaczU0UWp2cVNmYWNTQT09>
- **Meeting ID:** 842 6189 4483
- **Password:** 785108
- **One tap mobile**
+13126266799,,84261894483#,,, *785108# US (Chicago)
+16465588656,,84261894483#,,, *785108# US (New York)
- **Dial by your location**
+1 309 205 3325 US
+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 September 26, 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.

PLANT PERFORMANCE SUMMARY

	PERMIT LIMIT	CURRENT YEAR JULY 2023			PREVIOUS YEAR JULY 2022		
PLANT FLOW							
AVERAGE	No Limit	2.94	MGD		2.34	MGD	
MAXIMUM	No Limit	6.51	MGD		3.06	MGD	
PRECIPITATION		8.41	Inches		3.26	Inches	
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5)							
"30 Day" Average	10 mg/L	3.0	mg/L		2.9	mg/L	
Maximum 7 Day Average	No Limit	4.9	mg/L		3.3	mg/L	
Maximum Day	15 mg/L	10.3	mg/L		4.6	mg/L	
"30 Day" Average	500 lbs/day	89	lbs/day		58	lbs/day	
Maximum 7 Day Average	730 lbs/day	211	lbs/day		68	lbs/day	
Percent Removal	No Limit	96	%		97	%	
TOTAL SUSPENDED SOLIDS (T.S.S.)							
"30 Day" Average	30 mg/L	4	mg/L		3	mg/L	
Maximum 7 Day Average	45 mg/L	8	mg/L		3	mg/L	
"30 Day" Average	1500 lbs/day	123	lbs/day		59	lbs/day	
Maximum 7 Day Average	2300 lbs/day	331	lbs/day		67	lbs/day	
Percent Removal	85%	98	%		98	%	
AMMONIA NITROGEN (NH3-N)							
"30 Day" Average	No Limit	0.21	mg/L		0.05	mg/L	
Maximum Day	3.0 mg/L	1.99	mg/L		0.41	mg/L	
"30 Day" Average	No Limit	8.7	lbs/day		1.2	lbs/day	
Maximum 7 Day Average	150 lbs/day	31.9	lbs/day		2.6	lbs/day	
TOTAL PHOSPHORUS							
"30 Day" Average	1.0 mg/l	0.59	mg/L		0.86	mg/L	
"30 Day" Average	50 lbs/day	15	lbs/day		17	lbs/day	
DISSOLVED OXYGEN							
Minimum	G.T. 6.0 mg/L	9.0	mg/L		9.0	mg/L	
pH							
Maximum	L.T. 9.0	8.50			8.38		
Minimum	G.T. 6.5	8.13			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	32	Col./100mls		8	Col./100mls	
Maximum 7 Day Mean	400 Col./100mls	224	Col./100mls		19	Col./100mls	
COMPLIANCE		Complied with all permit limits			Complied with all permit limits		

CODE: L.T. = LESS THAN
G.T. = GREATER THAN

NOTE: ALL PERMIT LIMITS ARE MAXIMUMS UNLESS OTHERWISE INDICATED

PLANT PERFORMANCE SUMMARY

	PERMIT LIMIT	CURRENT YEAR AUGUST 2023			PREVIOUS YEAR AUGUST 2022	
PLANT FLOW						
AVERAGE	No Limit	4.13	MGD		2.41	MGD
MAXIMUM	No Limit	7.76	MGD		3.78	MGD
PRECIPITATION		6.80	Inches		3.25	Inches
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD-5)						
"30 Day" Average	10 mg/L	3.8	mg/L		2.9	mg/L
Worst 7 Day Average	No Limit	5.3	mg/L		4.6	mg/L
Maximum Day	15 mg/L	11.0	mg/L		6.6	mg/L
"30 Day" Average	500 lbs/day	148	lbs/day		62	lbs/day
Worst 7 Day Average	730 lbs/day	255	lbs/day		111	lbs/day
Percent Removal	No Limit	92	%		96	%
TOTAL SUSPENDED SOLIDS (T.S.S.)						
"30 Day" Average	30 mg/L	5	mg/L		3	mg/L
Worst 7 Day Average	45 mg/L	7	mg/L		5	mg/L
"30 Day" Average	1500 lbs/day	210	lbs/day		73	lbs/day
Worst 7 Day Average	2300 lbs/day	360	lbs/day		132	lbs/day
Percent Removal	85%	96	%		98	%
AMMONIA NITROGEN (NH3-N)						
"30 Day" Average	No Limit	0.44	mg/L		0.21	mg/L
Maximum Day	3.0 mg/L	2.62	mg/L		2.30	mg/L
"30 Day" Average	No Limit	21.8	lbs/day		5.5	lbs/day
Worst 7 Day Average	150 lbs/day	57.6	lbs/day		19.3	lbs/day
TOTAL PHOSPHORUS						
"30 Day" Average	1.0 mg/l	0.58	mg/L		0.91	mg/L
"30 Day" Average	50 lbs/day	20	lbs/day		19	lbs/day
DISSOLVED OXYGEN						
Minimum	G.T. 6.0 mg/L	9.1	mg/L		8.8	mg/L
pH						
Maximum	L.T. 9.0	8.56			8.58	
Minimum	G.T. 6.5	8.38			8.07	
TOTAL RESIDUAL CHLORINE (TRC)						
Maximum	38 ug/L	< 10	ug/L		< 10	ug/L
FECAL COLIFORM						
"30 Day" Mean	200 Col./100 mls	17	Col./100mls		18	Col./100mls
Worst 7 Day Mean	400 Col./100mls	36	Col./100mls		87	Col./100mls
COMPLIANCE		Complied with all permit limits except Hexachlorobenzene concentration			Complied with all permit limits	

CODE: L.T. = LESS THAN
G.T. = GREATER THAN
N.R. = NO ANALYSIS REQUIRED

NOTE: ALL PERMIT LIMITS ARE MAXIMUMS UNLESS OTHERWISE INDICATED

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

July 25, 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 Suchanek to approve meeting agenda as presented. Support by Holzheuer. No discussion. Motion carries 3-0.
3. Minutes of the June 27, 2023 meeting: Motion by Holzheuer to approve the June 27, 2023 meeting minutes. Support by Archer. No Discussion. Motion carries 3-0.
4. Secretary's Report:
 - a) Plant Performance Summary (June 2023): Guysky noted full permit compliance for June 2023.
 - b) Plant Operations and Staffing: Guysky noted good, efficient plant performance even during a severe wet weather event earlier in July. No Sanitary Sewer Overflows (SSOs) were experienced at the plant even with flows exceeding plant capacity at times. He updated the Board on plant maintenance activities. He also informed the Board of the Consumers Energy Demand Response Program contract renewal, where the plant receives financial incentives for moving electrical load to the generator at the request of Consumers. With regard to staffing, two positions remain unfilled: Operator/Mechanic and Sewer Maintenance Laborer.
 - c) WWTP Project Updates: Guysky updated the Board on the current projects. The Solids Handling Project contractors plan to remobilize once the building repairs are complete in late August. The Phase I project will likely begin construction in early September.
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, with the chemical treatment set to be in place within two weeks. Guysky offered the use of the WWTP H₂S portable logger once a permanent one is in place in the WWTP screening room.

6. New Business:
NONE
7. Citizens'/Members' Comments:
Suchanek commended Langtry for his prompt attention to the H2S mitigation issue.
8. Adjourn: Motion to adjourn by Archer. Support by Suchanek. No discussion. Motion carries 3-0. Meeting adjourned at 4:58 p.m.

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

Draft