



**JOINT WATER/SEWER BOARD OF THE CITY OF BUCHANAN AND
BUCHANAN TOWNSHIP**

MONDAY, AUGUST 21, 2023 – 7:00 AM

CHAMBER OF BUCHANAN CITY HALL - 302 N REDBUD TRAIL, BUCHANAN MI

AGENDA

THE JOINT WATER SEWER BOARD OF THE CITY OF BUCHANAN AND BUCHANAN TOWNSHIP, in compliance with the Open Meetings Act, hereby gives notice of a regular meeting to be held in the Chamber of Buchanan City Hall.

** Comments may be submitted in writing at least 72 hours in advance to the City Clerk at clerk@cityofbuchanan.com*

I. Call to Order

II. Pledge of Allegiance

III. Roll Call

IV. Approve Agenda

V. Public Comment - Agenda Items Only

VI. Approve Minutes

- A. 1) Consider approving JWSB Minutes from February 6th, 2023.**
- 2) Consider approving JWSB Minutes from May 15th, 2023.**

VII. Unfinished Business

VIII. New Business

- A. Introduction to Tap-in Procedure for Township & City Residents, City Clerk Kalla Langston**
 - 1) Consider Recommending Tap-in Procedure to Buchanan City Commission and Buchanan Twp. Board of Trustees**
- B. Water Department Report- Craig Miller, Operator in Charge**
- C. Wastewater Report- Andy Warner, Operator in Charge**

IX. Public Comment - Non-Agenda Items Only

X. Adjournment



JOINT WATER/SEWER BOARD OF THE CITY OF BUCHANAN AND BUCHANAN TOWNSHIP

MONDAY, FEBRUARY 06, 2023 – 7:00 AM

CHAMBER OF BUCHANAN CITY HALL - 302 N REDBUD TRAIL, BUCHANAN MI

MINUTES

THE JOINT WATER SEWER BOARD OF THE CITY OF BUCHANAN AND BUCHANAN TOWNSHIP, in compliance with the Open Meetings Act, hereby gives notice of a regular meeting to be held in the Chamber of Buchanan City Hall.

* Comments may be submitted in writing at least 72 hours in advance to the City Clerk at clerk@cityofbuchanan.com

I. Call to Order

Meeting was called to order at 7:02 A.M. by Chairperson Gordon

II. Pledge of Allegiance

The Pledge of Allegiance was recited.

III. Roll Call

PRESENT: Chairperson Tom Gordon, Commissioner Patrick Swem, Commissioner Dan Vigansky, Supervisor Mindy Cole-Crocker

CITY STAFF: City Manager, Heather Grace; Director of Public Services, Mike Baker; City Clerk, Kalla Langston; Water Operator-in-charge, Craig Miller, Wastewater Operator-in-charge, Andy Warner

IV. Approve Agenda

Motion made by Vigansky supported by Cole-Crocker to amend the agenda to add item E. Consider recommending Fran Terry to the JWSB, under new business and approve the agenda as amended. Voice vote carries unanimously.

V. Public Comment - Agenda Items Only

None

VI. Approve Minutes

A. Minutes:

1) Consider approving minutes from November 28, 2022

2) Consider approving minutes from January 9, 2023

Motion made by Cole-Crocker, supported by Swem to approve the minutes as presented.

VII. Unfinished Business

A. Riverside Estates

Mr. Edwards is the new engineer for Riverside Estates. They are conducting a feasibility study on what is the most cost-effective route to deliver their wastewater to the city. Edwards is looking for guidance on how they will be charged for billing if Riverside Estates was able to hook into the sewer system. Discussion about different routes they could go to hook into sewer. They would like the township to own and maintain the force main, the city would be responsible for maintenance. Edwards is looking

for reassurance that they are in agreement on building the force main and that the city will be willing to take ownership. As well as pricing for ready to serve fee and meters.

Recommendations to Riverside Estate was to talk to the Road Department about coming to a crossed Moccasin Bluff.

Manager Grace is willing to put together a comparison for the cost estimate. Edwards is willing to share his information with Grace, so that she would be able to bring it back for the JWSB.

B. Update: regarding the single-use lift station at Fifteen-2-Twelve Restaurant.

Grace informed the JWSB that the single-use lift station has been brought back online.

VIII. New Business

A. Water Department Report- Operator in Charge, Craig Miller

Miller reported that he has been busy with Miss Dig flags for the trail extension. Will also be handing out cards for the cross-connection inspections. The Water Department is still working with AEP about the voltage dropping at the water plant and wellhouses. This is costing the city operational costs, due to the pumps turning off and alarming out at random times.

Motion made by Cole-Crocker, supported by Swem to allow the City Manager to draft a letter to AEP to address concerns about the Voltage at the Water Plant and Wellhouses. Roll call vote carries unanimously.

The wellhead protection program is almost done and getting ready to submit. Miller has been working with Prien & Newhoff for the downtown infrastructure project.

Miller touched on duplexes in the city. The water department orders new meters for the duplexes that can remotely shut off one side or the other and not the whole residence. Continued to work through everyday work orders.

The city is seeking quotes on the SCADA system since the city is having issues. While Miller is working with the engineers of Prien & Newhoff. The current company that we use for the system is Kennedy and they have put a band aid on it for now.

B. Wastewater Department Report- Operator in Charge, Andy Warner

Warner has helped with some interviews and given some tours of the wastewater plant. With hopes in hiring someone soon. They have had a leaking pipe at the headworks, which was repaired, with having to divert flow to the old plant. They are currently working through some issues at the Schirmer Pkwy Lift station. Landfill is starting their flow equalization tank today. The plant is holding steady, after the staff is at full capacity, they would like to do more sampling of the collection system.

C. Iron Treatment Plant- SCADA and Conversion of Chlorine System to Hypochlorite

Miller had touched base on the SCADA system in his report and brought to the board's attention that he is recommending getting rid of the chlorine gas system and switching to liquid chlorine. This method is a safer method for the operators. It is easier on the system as well. This is a project that will be done with the new well, with this board's recommendation it will be added scope to the project with the final decision up to the city commission.

Motion made by Vigansky, supported by Cole-Crocker to recommend to the city commission on converting the chlorine gas system to hypochlorite. Roll call vote carries unanimously.

D. Consider recommending Brian Murphy to the JWSB.

Murphy has experience on non-profit boards. He is interested in working with everyone and wants to support the city.

Motion made by Vigansky, supported by Swem to recommend Brian Murphy to the City Commission and the Township Boards. Roll call vote carries unanimously.

E. Consider recommending Fran Terry to the JWSB.

At this time with recommending Murphy the JWSB would be at full capacity. Langston will keep Fran Terry's application on file if needed later.

IX. Public Comment - Non-Agenda Items Only

Cole-Crocker would like to see a budget and if the city is able to present it to the township board. Before Covid the budget was presented to the JWSB and then presented to the Township Board.

X. Adjournment

The meeting was adjourned by Chairperson Gordon at 8:38 A.M.

Kalla Langston, City Clerk

Thomas Gordon, Chairperson



JOINT WATER/SEWER BOARD OF THE CITY OF BUCHANAN AND BUCHANAN TOWNSHIP

MONDAY, MAY 15, 2023 – 7:00 AM

CHAMBER OF BUCHANAN CITY HALL - 302 N REDBUD TRAIL, BUCHANAN MI

MINUTES

THE JOINT WATER SEWER BOARD OF THE CITY OF BUCHANAN AND BUCHANAN TOWNSHIP, in compliance with the Open Meetings Act, hereby gives notice of a regular meeting to be held in the Chamber of Buchanan City Hall.

* Comments may be submitted in writing at least 72 hours in advance to the City Clerk at clerk@cityofbuchanan.com

I. Call to Order

The meeting was called to order by Chairman Thomas Gordon at 7:00 A.M.

II. Pledge of Allegiance

Gordon led in the Pledge of Allegiance.

III. Roll Call

Record to show that all the posting requirements were met with the rescheduled meeting.

Present: Chairman Thomas Gordon, Supervisor of Buchanan Township Mindy Cole-Crocker, Commissioner Patrick Swem, Commissioner Dan Vigansky, Brian Murphy.

Absent: None

Staff: Interim City Manager, Tim Lynch; City Treasurer, Deborah Perez; City Clerk, Kalla Langston; Director of Public Services, Mike Baker; Water Operator in Charge, Craig Miller; Wastewater Operator in Charge, Andy Warner

IV. Approve Agenda

Motion made by Cole-Crocker, supported by Vigansky to approve the agenda as presented. Voice vote carries unanimous.

V. Public Comment - Agenda Items Only

No public present.

VI. Approve Minutes

A. Consider approving Minutes from February 6, 2023.

Minutes were not approved; they will be presented at the August meeting with amendments made by Gordon and Murphy.

VII. Unfinished Business

VIII. New Business

A. Water/Sewer Budget 2023-2024 presented by City Manager Tim Lynch.

Lynch presented the Water and Sewer operating, maintenance and capital improvement budget for FY 2023-2024 (See Attachment A).

The proposed budget for operation Revenue is \$3,027,500.00 and Expenses at \$2,622, 946.00 with the expenses including all bond and loan payments. Lynch touched on favorable interest rates, as

well as additional savings of twenty thousand dollars anticipated due to the wastewater plant being on the I&M water/sewer tariff. We have a grant for potholing on the water side and that will allow us to explore the water system and potentially allow for additional state funding as we go forward, depending on the results.

Lynch has recommendations on the accounting side and well as contractual side to be tracked and broke out to achieve savings. As well as going out for competitive bidding. Going forward there will be challenges with retirement funds, utilities, getting raw materials.

Lynch went over the Budget Summary, Water & Sewer Revenue Budget, Water & Sewer Operating and Maintenance Budget, Proposed New/ Replacement Equipment, and Capital Improvements Expenditures.

This budget is focusing on tracking productivity and efficiency to continue cost-saving procedures.

Motion made by Cole-Crocker, seconded by Swem to recommend approval of the water/sewer budget FY 23-24 to the City Commission and Township Board of Trustees, as presented. Roll call vote carries unanimously.

B. Discussion for tap-in process between city and township.

Cole-Crocker asked for a process between city and township for water/sewer tap-ins. In recent years there has been a lack of communication between the township and city, about tap-ins. Langston has offered a process that was used at her previous municipality. She will present the process at the next JWSB meeting for recommendation.

C. Water Report- Craig Miller

Water is turned on for all City parks, the cemetery, and downtown and spring hydrant flushing has been completed. The 8” meter at the Clark testing lab should be going in soon. There was discussion on how they’d like to charge for the ready to serve and other processes if necessary.

Miller spoke on the water loss report. There were roughly five water main breaks in about a week, two of which could have been leaking for some time. Since they’ve been fixed, the total water pumped has gone down.

D. Wastewater Report- Andy Warner

The Wastewater plant has been doing more septage. They have been working on annual reports, employee training, sampling, and maintenance.

IX. Public Comment - Non-Agenda Items Only

X. Adjournment

The meeting was adjourned by Gordon at 8:36 A.M.

Township Resident Procedure to Tap-in to City Water/Sewer Services

- 1) Plumbing Permit & **Authorization for new connection to public water/ and or sewer** need to be pulled at the Township. The township will provide the **Authorization and Permit** to residents.
- 2) The Township Resident would then take proper documents to City Hall; Clerk Cashier will not process unless the resident has those documents in hand.
- 3) If the resident has the permit and authorization, the Clerk Cashier will then proceed to process the **Tap & Meter Application**. The Clerk Cashier will give a copy of the tap & meter application to the Water Department.
- 4) The Water Department will fill out the Field Date on the **Tap & Meter Application** once the tap-in is completed. *The Water Department will not allow tap ins without having this document on file with them.*
- 5) The Water Department will then give the completed application to the clerk cashier to start the billing process for the property.
- 6) The clerk cashier will then send the completed **Tap & Meter Application** to the Township for their records. While the original will be filed in the City with that property's water/sewer file, along with the permits pulled and the authorization from the Township.
- 7) If tapping into Sewer the resident will be given the application for sanitary sewer (sewer sketch and info) and a sewer use survey and asked to return within 14 days of tap-in.

City Resident Procedure to Tap in to Water/Sewer Services

- 1) Plumbing Permit needs to be pulled for any tap-in.
- 2) Once Permit is filed **Tap & Meter Application** will be processed by Clerk Cashier.
- 3) Once the Permit and Application is processed, the Clerk Cashier will then give a copy of the **Tap & Meter Application** to the Water Department.
- 4) The Water Department will fill out the Field Date on the **Tap & Meter Application** once tap-in is completed. *The Water Department will not allow tap-ins without having this document on file.*
- 5) The Water Department will then give the completed application to the clerk cashier to start the billing process for the property.
- 6) If tapping into Sewer the resident will be given the Application for Sanitary Serwer (sewer sketch and info) and a sewer use survey and asked to return within 14 days of tap-in.

Application for Sanitary Sewer Tap-in

DRAWING OF SERVICE LINE FROM TAP TO BUILDING AT:

OWNERS/NAME: _____

PROPERTY ADDRESS: _____

IMPORTANT!

THIS DRAWING IS TO BE COMPLETED BY THE INSTALLER AND GIVEN TO THE CITY OF BUCHANAN WITHIN 14 DAYS OF TAP-IN

CHECK TYPE OF PIPE INSTALLED:

VITRIFIED CLAY _____ PVC _____ CAST IRON _____

NOTE:

SDR 35 PLASTIC SEWER PIPE IS ALLOWED PROVIDED ASTM STANDARDS AND MANUFACTUREERS RECOMMENDATIONS ARE FOLLOWED. (7/11/00) RESIDENTL4L: 4" COMMERCIAL: 6".

Installed by _____ Date _____ / _____ / _____

Sketch location of building, sewer lines, cleanouts, and all dimensions below: Use back side or additional paper if more room is necessary.

Joint water/sewer meeting

Well its been a busy few months for the water department.

In June we changed out three fire hydrants that were broke. 1 on Main and 3rd The other on 4th and Cayuga st. and Jordan and Days. Dixon came and inspected both water towers the end of May. Everything looked good no major issues were found. They used a underwater camera to inspect the tower without draining them. We put a new water source at Victory park.

All samples for the EGLE are now done. Including Lead/Copper.

Fixed a leaking valve at firemans park and Clark st and Oak st.

Had a water leak on Carrol street service line going to the little league field was broke. We did 10 new meter change outs. Assisted 3 companies with water/ sewer locate to expand the businesses.

Monthly Bacti samples Well 4A failed twice. Meter at Clark lab is now in!! Was able to pot hole 5 services on Clark st. No Lead found.

Worked on getting new SCADA bid it was approved. Thrill on the Hill.

Miss Digs have been busy . Water Shut-offs are going well.

Working on getting Dylan ready for testing this fall.

City of Buchanan
 Water & Sewer Enterprise
 Losses Compared to Gallons Billed Monthly

		2023			
Starting Date	Ending Date	Gallons Pumped	Gallons Billed	% Lost	
12/28/2022	1/27/2023	21.405	7.426	65%	
1/28/2023	2/27/2023	23.23	7.147	69%	
2/28/2023	3/27/2023			#DIV/0!	
3/28/2023	4/27/2023	22.31	7.4	67%	
4/28/2023	5/30/2023	11.92	8.821	26%	
5/31/2023	6/27/2023	12.86	9.798	24%	main break
6/28/2023	7/26/2023	13.93	8.899	36%	Thrill on Hill 2. mill
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		105.655	49.491	53%	
		2022			
Starting Date	Ending Date	Gallons Pumped	Gallons Billed	% Lost	
12/24/2021	1/25/2022	16.71	7.456	55.38%	
1/26/2022	2/25/2022	17.326	7.516	56.62%	
2/26/2022	3/27/2022	18.867	7.041	62.68%	
3/29/2022	4/29/2022	19.314	6.733	65.14%	Deduct 1M gallons for Hydrant Flushing
4/27/2022	5/26/2022	19.473	7.869	59.59%	
5/27/2022	6/27/2022	23.099	9.004	61.02%	
6/26/2022	7/27/2022	23.956	10.131	57.71%	
7/28/2022	8/29/2022	24.835	10.4	58.12%	Deduct 1M Gallons for Thrill on Hill
8/30/2022	9/30/2022	22.835	7.214	68.41%	
9/30/2022	10/27/2022	17.674	6.955	60.65%	

10/28/2022	11/29/2022	21.001	7.295	65.26%	Deduct 1M gallons for Hydrant Flushing
11/30/2022	12/27/2022	20.128	7.664	61.92%	
Total		245.218	95.278	61.15%	

2021

Starting Date	Ending Date	Gallons Pumped	Gallons Billed	% Lost	
12/24/2020	1/25/2021	12.337	8.398	31.93%	
1/26/2021	2/24/2021	11.005	7.478	32.05%	
2/25/2021	3/29/2021	12.651	8.122	35.80%	
3/30/2021	4/27/2021	10.82	7.066	34.70%	Deduct 1M Gallons for Hydrant Flushing
4/28/2021	5/27/2021	13.423	8.45	37.05%	Deduct .650 MG for WWTP fill
5/28/2021	6/28/2021	14.721	10.742	27.03%	
6/29/2021	7/28/2021	11.565	8.74	24.43%	
7/29/2022	8/24/2022	12.308		#VALUE!	Accounting software issue, don't know gallons billed.
8/25/2021	9/27/2021	13.14	8.708	33.73%	
9/28/2021	10/25/2021	10.675	9.606	10.01%	
10/26/2021	11/24/2021	10.207	7.583	25.71%	
11/25/2021	12/23/2021	10.462	6.983	33.25%	
Total		143.314	91.876	35.89%	

2020

Starting Date	Ending Date	Gallons Pumped	Gallons Billed	% Lost	
12/24/2019	1/24/2020	11.09	8.523	23.15%	
1/25/2020	2/25/2020	15.464	8.349	46.01%	
2/26/2020	3/26/2020	9.944	7.879	20.77%	
3/27/2020	4/26/2020	13.842	8.134	41.24%	Deduct 1M Gallons for Hydrant Flushing
4/27/2020	5/26/2020	9.383	7.873	16.09%	Reduction after first meeting with Clark Testing
5/27/2020	6/24/2020	10.787	9.39	12.95%	
6/25/2020	7/27/2020	13.491	12.278	8.99%	
7/28/2020	8/28/2020	12.633	10.296	18.50%	
8/29/2020	9/29/2020	12.257	9.009	26.50%	
9/30/2020	10/27/2020	9.523	7.188	24.52%	Deduct 1M Gallons for Hydrant Flushing

10/28/2020	11/23/2020	8.58	7.049	17.84%
11/24/2020	12/23/2020	10.953	6.81	37.83%
Total		126.857	94.255	25.70%

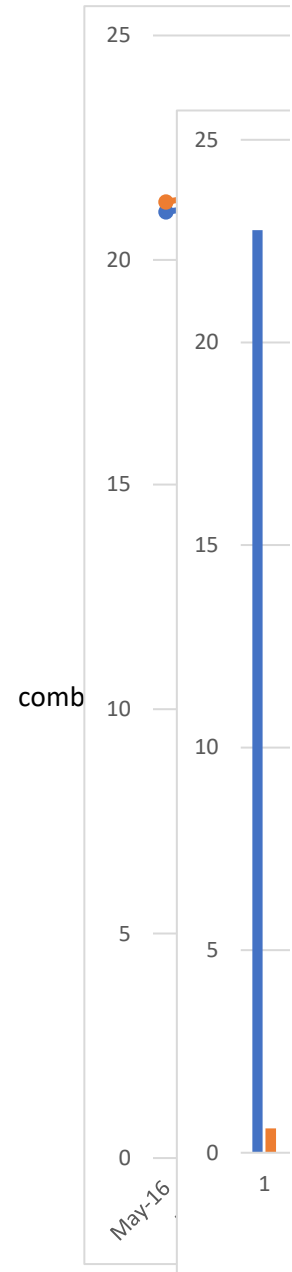
		2019			
Starting Date	Ending Date	Gallons Pumped	Gallons Billed	% Lost	
12/21/2018	1/28/2019	15.278	9.472	38.00%	
1/29/2019	2/25/2019	12.171	7.476	38.58%	
2/26/2019	3/26/2019	14.1	7.202	48.92%	
3/27/2019	4/25/2019	12.883	7.301	43.33%	Deduct 1M Gallons for Hydrant Flushing
4/26/2019	6/24/2019	21.071	16.376	22.28%	Combined due to Sensus/Fund Balance fiasco
6/25/2019	7/24/2019	13.16	10.248	22.13%	
7/25/2019	8/27/2019	15.409	10.843	29.63%	Deduct 1M gal. for TOTH
8/28/2019	9/23/2019	11.986	8.345	30.38%	
9/24/2019	10/28/2019	11.954	9.845	17.64%	Deduct 1M gal. for Hydrant Flushing
10/29/2019	11/22/2019	8.009	6.605	17.53%	
11/23/2019	12/23/2019	9.964	8.183	17.87%	
Total		145.985	101.896	30.20%	

City of Buchanan
 Water & Sewer Enterprise
 Reported Compared to Gallons Billed Monthly

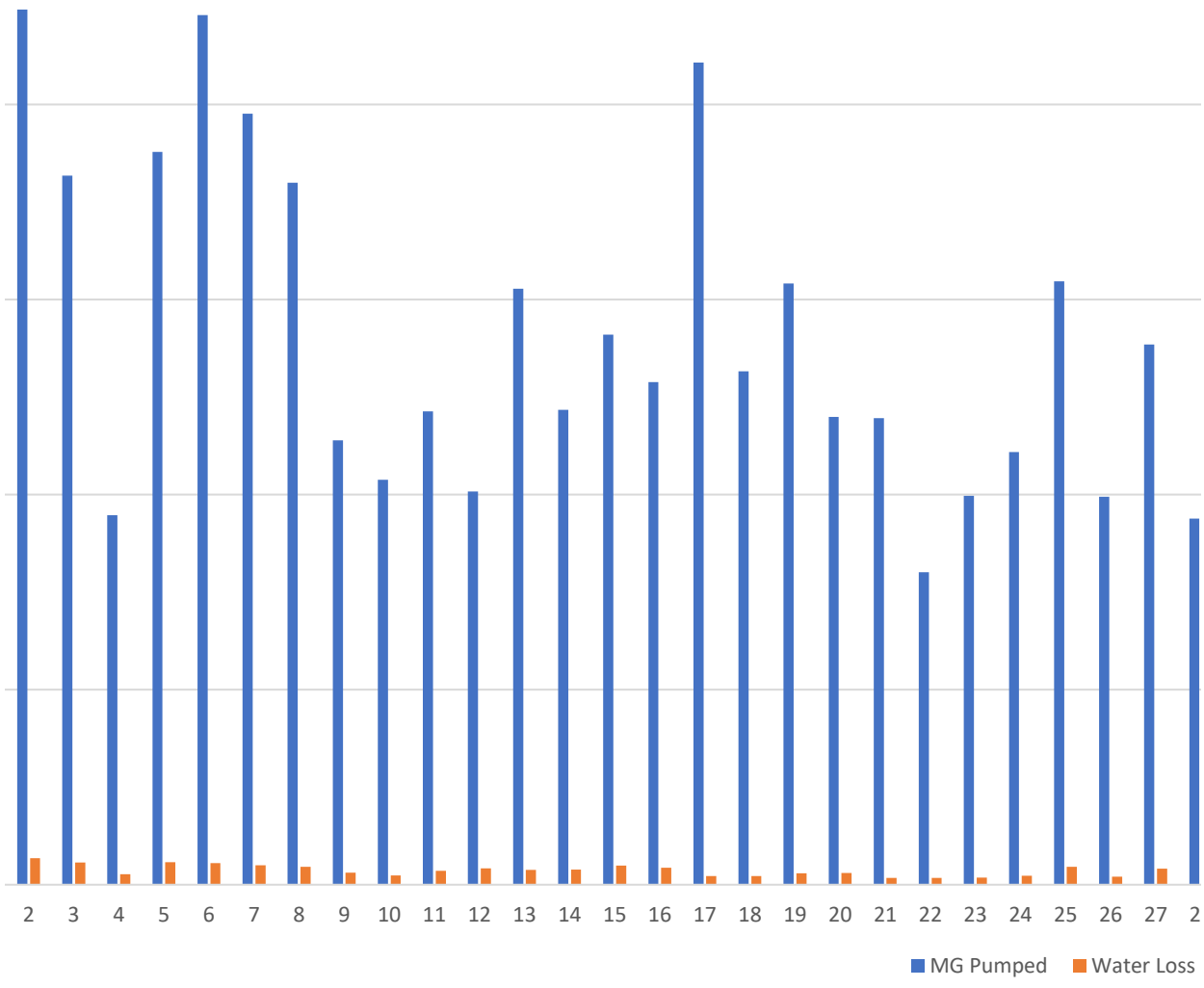
		2018			
Starting Date	Ending Date	Gallons Pumped	Gallons Billed	% Lost	
12/22/2017	1/25/2018	22.771	9.052	60.25%	Main Break on Fourth St.
1/26/2018	2/22/2018	22.429	7.25	67.68%	Main Break on Fourth St.
2/23/2018	3/26/2018	18.172	7.885	56.61%	Main Break on Fourth St.
3/27/2018	4/24/2018	9.469	6.915	26.97%	Deduct 1M Gallons for Hydrant Flushing
4/25/2018	5/25/2018	18.783	7.89	57.99%	
5/26/2018	6/26/2018	22.285	9.92	55.49%	
6/27/2018	7/26/2018	19.759	9.901	49.89%	

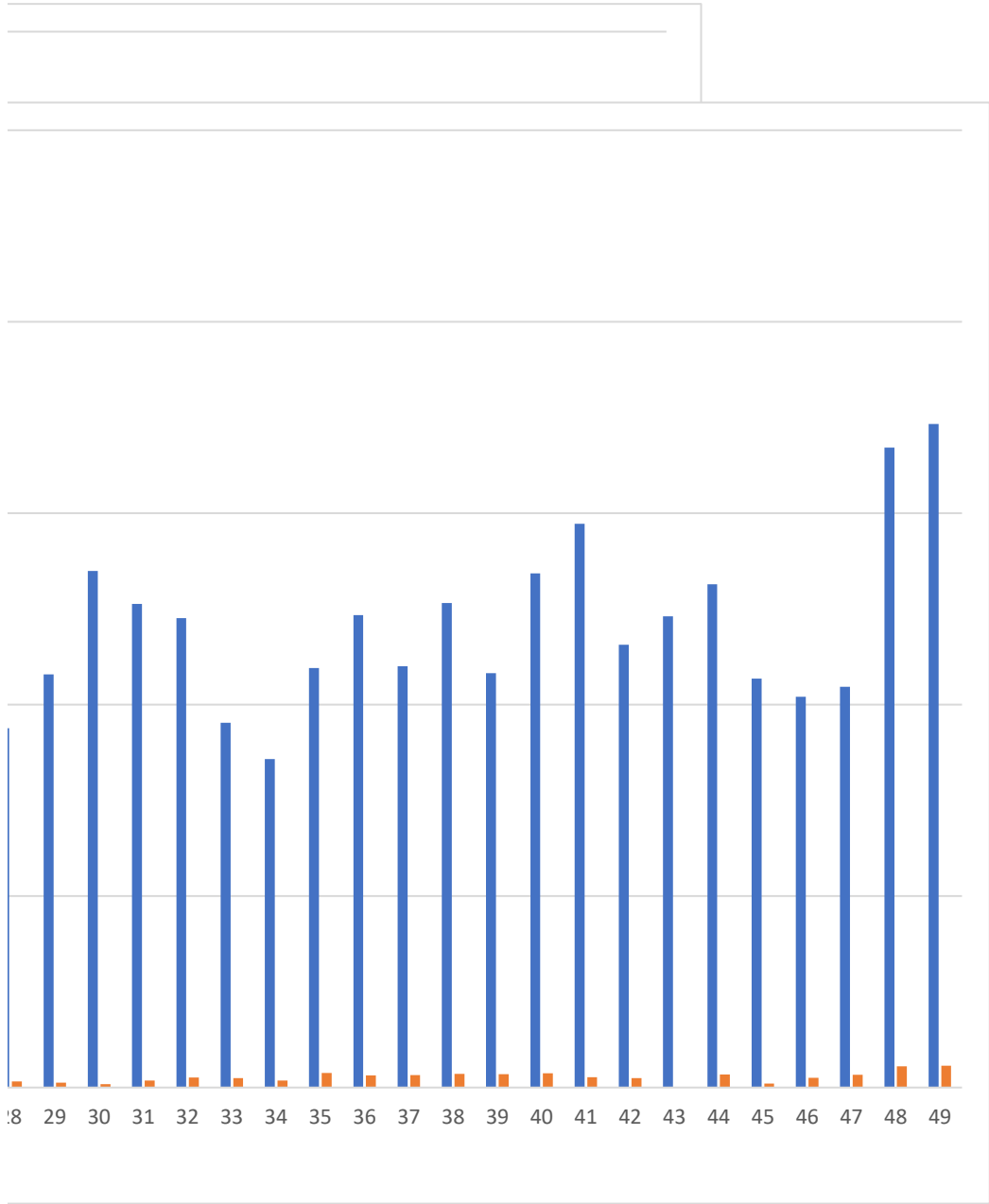
7/27/2018	8/26/2018	17.995	9.8	45.54%	Deduct 1M gal. for TOTH
8/27/2018	9/25/2018	11.392	7.917	30.50%	
9/26/2018	10/26/2018	10.375	7.899	23.87%	Deduct 1M Gallons for Hydrant Flushing
10/27/2018	11/27/2018	12.13	7.781	35.85%	
11/28/2018	12/21/2018	10.078	5.824	42.21%	
Total		195.638	98.034	49.89%	

Month			MG Pumped	MG Billed	Water Loss
Jan-18	12/22/2017	1/25/2018	22.771	9.052	60.25%
Feb-18	1/26/2018	2/22/2018	22.429	7.25	67.68%
Mar-18	2/23/2018	3/26/2018	18.172	7.885	56.61%
Apr-18	3/27/2018	4/24/2018	9.469	6.915	26.97%
May-18	4/25/2018	5/25/2018	18.783	7.89	57.99%
Jun-18	5/26/2018	6/26/2018	22.285	9.92	55.49%
Jul-18	6/27/2018	7/26/2018	19.759	9.901	49.89%
Aug-18	7/27/2018	8/26/2018	17.995	9.8	45.54%
Sep-18	8/27/2018	9/25/2018	11.392	7.917	30.50%
Oct-18	9/26/2018	10/26/2018	10.375	7.899	23.87%
Nov-18	10/27/2018	11/27/2018	12.13	7.781	35.85%
Dec-18	11/28/2018	12/21/2018	10.078	5.824	42.21%
Jan-19	12/21/2018	1/28/2019	15.278	9.472	38.00%
Feb-19	1/29/2019	2/25/2019	12.171	7.476	38.58%
Mar-19	2/26/2019	3/26/2019	14.1	7.202	48.92%
Apr-19	3/27/2019	4/25/2019	12.883	7.301	43.33%
May-16	4/26/2019	6/24/2019	21.071	16.376	22.28%
Jul-19	6/25/2019	7/24/2019	13.16	10.248	22.13%
Aug-19	7/25/2019	8/27/2019	15.409	10.843	29.63%
Sep-19	8/28/2019	9/23/2019	11.986	8.345	30.38%
Oct-19	9/24/2019	10/28/2019	11.954	9.845	17.64%
Nov-19	10/29/2019	11/22/2019	8.009	6.605	17.53%
Dec-19	11/23/2019	12/23/2019	9.964	8.183	17.87%
Jan-20	12/24/2019	1/24/2020	11.09	8.523	23.15%
Feb-20	1/25/2020	2/25/2020	15.464	8.349	46.01%
Mar-20	2/26/2020	3/26/2020	9.944	7.879	20.77%
Apr-20	3/27/2020	4/26/2020	13.842	8.134	41.24%
May-20	4/27/2020	5/26/2020	9.383	7.873	16.09%
Jun-20	5/27/2020	6/24/2020	10.787	9.39	12.95%
Jul-20	6/25/2020	7/27/2020	13.491	12.278	8.99%
Aug-20	7/28/2020	8/28/2020	12.633	10.296	18.50%
Sep-20	8/29/2020	9/29/2020	12.257	9.009	26.50%
Oct-20	9/30/2020	10/27/2020	9.523	7.188	24.52%
Nov-20	10/28/2020	11/23/2020	8.58	7.049	17.84%
Dec-20	11/24/2020	12/23/2020	10.953	6.81	37.83%
Jan-21	12/24/2020	1/25/2021	12.337	8.398	31.93%
Feb-21	1/26/2021	2/24/2021	11.005	7.478	32.05%
Mar-21	2/25/2021	3/29/2021	12.651	8.122	35.80%
Apr-21	3/30/2021	4/27/2021	10.82	7.066	34.70%
May-21	4/28/2021	5/27/2021	13.423	8.45	37.05%
Jun-21	5/28/2021	6/28/2021	14.721	10.742	27.03%
Jul-21	6/29/2021	7/28/2021	11.565	8.74	24.43%



Aug-21	7/29/2022	8/24/2022	12.308		#VALUE!
Sep-21	8/25/2021	9/27/2021	13.14	8.708	33.73%
Oct-21	9/28/2021	10/25/2021	10.675	9.606	10.01%
Nov-21	10/26/2021	11/24/2021	10.207	7.583	25.71%
Dec-21	11/25/2021	12/23/2021	10.462	6.983	33.25%
Jan-22	12/24/2021	1/25/2022	16.71	7.456	55.38%
Dec-22	1/26/2022	2/25/2022	17.326	7.516	56.62%





Joint Water Sewer Board

Wastewater Report

August 2023

1) Septage

- In the first 7 months of 2023 we received 284,800 gallons of septage. 163,200 gallons since the last report
- In the first 7 months of 2023 we billed \$21,381.50 for septage. \$12,759.50 since the last report
- For July 2022 – June 2023 we billed \$30,368.00 for septage

2) Compliance Reports

- DMRs have been submitted for the months of April, May, June, and July
- A PFAS Pollutant Minimization, Source Evaluation, and Reduction Program Plan was submitted to EGLE
- An Asset Management Annual Report was submitted to EGLE
- An Ongoing IPP PFAS Status Report was submitted to EGLE

3) NPDES Requirements

- Plant effluent was sampled and tested for copper concentration
- Plant sludge was sampled and tested for mercury concentration
- Plant influent and effluent was sampled and tested for mercury concentration
- Plant influent and effluent was sampled and tested for PFAS concentrations

4) Maintenance Items

- A rotating assembly failed in one of the Schirmer Lift Station T4 pumps. The rotating assembly was removed from the grit lift pump and put into the Schirmer pump to keep the lift station operational. We continue to wait for our new T4 rotating assemblies (2) to arrive so that we can put our grit removal system back into operation.
- The light fixture was repaired at Schirmer lift station
- The fuel sending unit was replaced in the Kubota
- Clarifiers weirs and launders were cleaned
- Telephone poles were cut to size and added to the retaining wall at the bottom of the hill to help with the washouts
- Solids were removed from Schirmer, Mill Pond, and Industrial lift stations
- A module was replaced in one of our panels. The entire SCADA system was down for several days. Windemuller did not know why the component failed
- Blown fuses were replaced twice in one our panels. The blown fuses prevented the scum pumps from running automatically
- A tire puncture was repaired on the 2017 F250
- All floats in the Glaser Lift Station wet well were replaced
- Brush was cut back from the fence line
- Mower blades were sharpened

- A load of scrap was taken to Padnos
- The air release valve on the discharge pipe for the headworks was flushed to remove solids buildup.
- A new backup battery was installed at the Mill Pond Lift Station
- Greased and exercised ditch gates
- The operator interface at Mill Pond Lift Station failed. A working interface was removed from the beds lift station at the plant and installed at Mill Pond.
- A motor starter was replaced in the beds lift station
- Numerous routine preventative maintenance tasks

5) Sludge Disposal

- In May – July we pressed 574,748 gallons of sludge. 1,042,000 gallons total for 2023
- In May – July we sent 249 tons of dewatered sludge to the landfill. 412 tons total for 2023
- For the fiscal year July 2022 – June 2023 we spent \$26,747.74 on sludge disposal.

6) Landfill Leachate

- In May – July the landfill was billed \$59,736.24.
- For the fiscal year July 2022 – June 2023 the landfill was billed \$261,642.12
 - The Sewer Maintenance & Operation amended budget for the 2022-23 fiscal year as reported on 4/14/23 was \$927,039.00

7) PFAS

- In both April and July of 2023 our effluent was found to contain 13 ng/L PFOS. EGLE sets a water quality-based effluent limitations (WQBELs) for PFOS at 12 ng/L
- Because we have exceeded the WQBWLs for PFOS we were required to submit a PFAS Pollutant Minimization, Source Evaluation, and Reduction Program Plan to EGLE
- EGLE is requiring us to establish local limits for PFAS. Establishing local limits requires repeated testing of influent, effluent, sludge, and the collection system for PFAS. How we are to sample for the testing is described in the Michigan Administrative Code Part 23 Section R 323.2303.4.b. We are going with option ii. Sampling is being conducted August 7th through September 1st

8) Rain Event

- We had a big rain event on the on the night of 7/28-29. The plant received about 80% more water on 7/29 than usual
- Inflow & Infiltration should not be that extreme. Hopefully completion of the downtown project will reduce the I&I
- River Shores lift station normally runs about 40 minutes a day. On 7/29 it ran 4 hours and 56 minutes. We may want to consider addressing the inflow issue at River Shores lift station
- I was out of town on vacation when the rain event occurred. Terry ended up working a 13.5 hour day. He had to turn off all the lift stations that feed into Schirmer lift station to prevent Schirmer from overflowing and then monitor the lift stations to ensure that they did not overflow. He also had to respond to multiple lift stations alarms due to power blips causing them to trip. He was able to complete labs in-between running back and forth between lift stations

9) DMRQA

- DMRQA testing for 2023 was completed, and results were submitted
- DMRQA testing is a requirement of the federal government. It proves that our lab is capable of producing accurate results