OFFICIAL NOTICE AND AGENDA
of a meeting of a City Board, Commission, Department Committee, Agency, Corporation, Quasi-Municipal Corporation, or Sub-unit thereof.

A Meeting of **Wausau Water Works Commission** will be held in the **Council Chambers, 1st Floor City Hall, Wausau, WI 54403** at **1 : 30 p.m.** on **Tuesday, June 4, 2024.**

Members: Doug Diny (President), Sarah Watson, Jim Force, Joe Gehin, John Robinson

AGENDA

1. Approve Minutes of May 7, 2024 Meeting.
2. Director's Report on Utility Operations
   - Status Report and Construction Update on the Drinking Water GAC Treatment Project
   - Status Update on Proposed Solar Array Project and Possible ARPA Funding
   - Drinking Water Tim Mesalk, Water Plant Operation Tech Retired
   - Drinking Water Senior Distribution Maintainer let go
   - Drinking Water Operation Technician Position Declined by all Four Candidates
   - Drinking Water 3rd Recruitment for Distribution Maintainer Unsuccessful
   - Drinking Water Staff Employment Tenure
   - Wastewater Facility Construction Update
   - Wastewater Continues to Discharge a Quality Effluent
   - Wastewater Greenwood Hills Lift Station Update
   - Wastewater Professionals Appreciation Day: May 22nd
3. Discussion and Possible Action Approving the Updated 2025-2029 Capital Budget for the Water and Sewer Utility.
4. Discussion and Possible Action on Demolition of the old Water Plant at 1801 N River Drive.
5. Discussion and Possible Action Approving the Wastewater 2023 Compliance Maintenance Annual Report (CMAR) and Resolution.
6. Discussion on Scheduling the July 2nd Meeting to Tuesday, June 25th.

Adjourn.

Next meeting scheduled for June 25th at **TBD.*

Signed by: /s/ Doug Diny, Mayor
Presiding Officer or Designee

THIS NOTICE POSTED AT CITY HALL AND EMAILED TO CITY PAGES AND DAILY HERALD: May 31st, 2024 at 8:15 a.m.

This meeting is being held in person. Members of the public who do not wish to appear in person may view the meeting live over the internet, cable TV, Channel 981, and a video is available in its entirety and can be accessed at https://tinyurl.com/wausaucitycouncil. Any person wishing to offer public comment not appearing in person may e-mail gina.vang@ci.wausau.wi.us with "Water Commission Public Comment" in the subject line prior to the meeting start. All public comment, either by email or in person, will be limited to items on the agenda at this time. The messages related to agenda items received prior to the start of the meeting will be provided to the Chair.

In accordance with the requirements of Title II of the Americans with Disabilities Act of 1990 (ADA), the City of Wausau will not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs or activities. If you need assistance or reasonable accommodations in participating in this meeting or event due to a disability as defined under the ADA, please call the ADA Coordinator at (715) 261-6622 or ADAServices@ci.wausau.wi.us to discuss your accessibility needs. We ask your request be provided a minimum of 72 hours before the scheduled event or meeting. If a request is made less than 72 hours before the event the City of Wausau will make a good faith effort to accommodate your request.

Minutes of May 7, 2024

A meeting of the Wausau Water Works Commission was called to order at 1:30 p.m. in City Hall on Tuesday, May 7, 2024. In compliance with Wisconsin Statutes, this meeting was posted and receipted for by the Wausau Daily Herald on May 3, 2024.

Members Present: President Diny, Commissioners Robinson, Force, Gehin
Others Present: Scott Boers, Eric Lindman, Ben Brooks, Anne Jacobson, Tegan Troutner, Sean Agid/CIP, Eric Jones/CIP, Chad Henke/Solar Array Task Force Chair, Paul Svetlik/ Solar Array Task Force Vice Chair, Susan Woods, Jay Coldwell

1) **Approve Minutes of April 10th, 2024 Meetings.**
   *Robinson motioned to approve minutes as corrected. Seconded by Gehin.
   Motion Carried 4-0.

2) **Director's Report on Utility Operations.**
   Lindman highlighted the resin disposal scheduled next week costing about $124,000. We sold around 300 rain barrels, pick up is tonight and tomorrow night. We grabbed couple extra pallets because there were customers late in ordering so we'll sell them a la carte.
   Force questioned status of the Granular Activate Carbon (GAC) construction and if another resin disposal would be needed before the GAC was up and operating?
   Boers replied PFAS sampling was completed April 17th- PFOA 4.3ng/L and 4.6ng/L, no other PFAS detects. We were at low numbers and don't believe we have to have another exchange for another 6 months; GAC should be up and running by October. We tested effluent (post anion treatment) going into distribution, we haven't tested the wells which are the raw water.
   Gehin requested a copy of the article that Wastewater included in the packet.
   Brooks replied he had some magazines and would be happy to give Gehin a copy.
   Robinson requested the article be presented in in layman's term for the public as it was highly technical.
   Brooks questioned if he wanted that at the next commission meeting?
   Diny replied maybe at the next commission meeting.
   Director's Report Placed on File.

3) **Update on the Lead Service Line (LSL) Replacement Project from Community Infrastructure Partners (CIP).**
   Presentation by Sean Agid/CIP. View Presentation at 7 minutes, 45 seconds.
   Gehin questioned how many of the 440 verified would be full replacements and difference between projected observations in the field vs in our inventory?
   Agid replied they were all partial replacements. Full replacement cost $6,000 and partial replacements are $4,820. This seem less than CDM Smith's 2021 estimation of 8,000 private side and 4,400 public lines. We are seeing about 35% lead. It's hard to know about other tracts but there are whole blocks in Wausau we are not finding any lead at all.

Force requested a map with the tracts identified next time.

Agid replied the map is not zoomed in (refer to slide 3 page 30 of packet), gray- unverified, green- not lead or galvanized, red- lead, yellow- galvanized. We could share the maps of the 5 census tracts that were eligible and can share it via email if you'd like. The 2025 construction application is due end of June, we need to identify which areas to expand beyond the 5 census tracts and overlay that with the principal forgiveness priority areas based on Department of Natural Resources (DNR) criteria.

Gehin questioned percentage of galvanized?

Jones replied less than the lead, the 35% included the galvanized but we do have something separate I could give you because it would be easy to pull out.

Force questioned the connection inside the home with the copper to lead inside of home?

Agid replied that was the role of the third-party inspector (Clark-Dietz), they verify that everything is replaced correctly because they would need to sign off on that.

Jones reiterated we are doing copper into the home and we stop at the meter, water department connects from the meter to the internal plumbing.

Lindman replied that if we connect to something inside the home, there would be a dielectric fitting to mitigate galvanic reaction preventing corrosion by separating two different metals in the plumbing system.

Robinson questioned next year's financial impact if there were less of an impact this year as far as planning, capital improvement budget project perspective?

Agid replied overall to replace the LSL would cost less because there is less lead but what we don't know is the amount of money DNR would award Wausau. We submitted an intent to apply (ITA) for $15 million and intention was 1500 lines at $10,000/line. We know pricing is much better with the bid we received and are locked in for 2025. The option was to reduce that number below $15 million or increase 1500 replacement number to 2000 or above. We don't know the percentage of principal forgiveness awarded vs loans as certain census tracts and blocks qualify for a percentage. We don't know the principal forgiveness at the State level because we don't know how many other municipalities would be applying for it. We would overlay the map based on the 6 criteria and maximize the principal forgiveness but it's up to the city to determine the amount it is asking.

Robinson questioned if it paid to reevaluate that number in this 5-year window as we are in year 2 and have 3 years left only? How do we position ourselves to maximize principal forgiveness and put ourselves in the best terms?

Agid replied the best way was to include your disadvantage communities into every application and weigh the average of how many you expect to include in the application of the disadvantage to the non-disadvantage communities. There're ways to do the calculations based on how many replacements you want to do. We know what each census tract qualifies for in terms of principal forgiveness but we don't know if that would be awarded with the new numbers, we could calculate debt service over a 5-year period. We did that calculation before the award and bids; we could revise the projected 5-year schedule. It was 55% grant 45% principal forgiveness under $60 million that would go down and that could be revised but that principal forgiveness could go down or stay the same. We could revise that in terms of debt service and potential impacts associated with that debt service.

Diny questioned if there were enough homes in phase 1 census tract to get the 700 needed and if we didn't expend that, could it be rolled over to next year? How would that affect our application if we only used 3/4?

Agid replied there's about 700 homes we haven't been into yet that are unknown. Of the 700 if 35% are lead, you're looking at another 250, your right around that 700. If we don't spend that $5.7 million you have 2 years so it could be used in 2025.

No Action Needed.

4) **Discussion and Possible Action Approving 2025- 2029 Capital Projects.**

Lindman referred to the 11x17 sheets included in the packet for the proposed 5-year capital plan and total capital borrowing each year. You requested, for understanding, the annual capability of accepting debt and annual payments is shown in the beginning of the packet. If the utility accepted LSL proposed loan amounts and what the cumulative annual debt payment would be over 10 years and 20 years. The second not only included the LSL but included proposed capital plan and cost of adding staff over the next several years along with the annual expenditures. The rate structure we are in right now is good for the Wastewater and Drinking Water Utility but adding that proposed loan payments is a heavy strain on the drinking water division. For 2024, utility rates could not be used for that loan portion, that's included, the borrowing and loan service would be on a (Tax Increment District) TID or other funding options. Would there be anything from this information packet that this commission needs specifics on, understanding or clarification on something that doesn't make sense to you, there's a lot in here.

Robinson questioned the later presentation relative to the solar array panel's impact?

Lindman replied it was included in the debt service with all the other projects. That debt service would be about $1.7 million. Throughout the year, we are managing our conflicting priorities. We set a plan in June for our capital for the following year but we end up having projects that come to the forefront because of emergent situations or failures that we must address and then defer other projects. Our intent is to establish a capital plan moving forward and stay within those budgets that's approved/accepted by the Commission so whether we defer certain projects and equipment to fit in other projects or if bids come in high, we defer that project. We do that every year.

Diny reiterated the LSL is shown over 5 years and over 10 years. The thought process is if we could stay on this 5-year pace while the grant money is still high relative to the loan portion, we are at a 2/3 vs 1/3 and if we had to shift based on debt load to a 10 year, we could go to that but let's maximize grant money. It would make sense to target the lines on both city side and private side that would give us the most efficient use out of contractors and cost savings for the city. We are requesting action on this plan.

Lindman replied yes, the general capital plan for the drinking and wastewater. The LSL plan is evaluated annually and would come back this fall for further conversations and application to the DNR for where that potential funding might be that goes into our other items such as the LSL ordinance for user rates, there's a lot that must happen before the utility could take on that project from a financial standpoint.

Robinson questioned LSL factored into capital plan on the public side but sees zero for borrowing. You haven't factored that into the plan but you have it for the financing plan, it would be beneficial to see in both. I don't see the Solar Array in the capital plan if it's built in the finance, that leads to confusion. If we could wrap all those costs?

Lindman replied for the capital plan, it wasn't an intent to have the utility pay for the solar, we don't have approvals to pay, we would have a different path to take with the Public Service Commission (PSC) to use water rates. If that's what you want to see, we could do that but the Solar array would come out of the general obligation and other funding but if you want to see in the capital plan, we could put it in there.

Robinson replied his preference would be to include it and you could look at the funding source and footnote it or deal with it from a funding source. If we are incurring those capital associated with the operations of the utility related activities, it'd be nice to capture them. There was a discussion using American Rescue Plan Act (ARPA) funds and others to

supplement solar array. For transparency, it'd be nice to see what we're doing from a utility perspective if it relies on safe drinking water loans, revenue bonds or GO bonds, those could be footnoted or clarified.

Lindman replied he could certainly add those.

Gehin questioned the excess revenue from Ehler's report as it may be for the benefit of everybody else.

Lindman explained that the excess revenue is at the end of our operational budget and our capital projects. That is the revenue under the current rate structure that the utility would have to do capital projects. Pay down debt service on an annual basis. For 2023, drinking water shows excess of $826,000 that's half going into 2024 because the new rates went in July 2023 and we didn't get a full half year of rates, so those are kind of the numbers we're comparing as we run into our capital debt service every year. Wastewater side is about $1.8 million that would be steady going through 2024 as well. Moving forward, the Drinking Water and Wastewater Utility's excess revenue is going to be close $1.6 million to $1.8 million a year available for capital project. That shows us our rate structure is good, we want to maintain that and do anything to prevent future rate cases and rate increases.

*Gehin motioned to accept the capital project plan but add the language to demonstrate the solar panel footnoted and LSL replacement showing but not part of the debt remembering that it's a plan and not firm so it's subject to change.

Robinson stated his experience with the county included all the projects in the CIP then it's broken down to funding source but you're listing all the projects whether it was ARPA, highway fund, federal grant. For transparency in communicating to the public and council, it's important that we show those.

Lindman replied he is happy to bring it back next month with updated sheets and if the commission was ok with what we were presenting.

*Robinson seconded Gehin's motion to accept 2025-2029 Capital Projects.

Force requested if there were better ways to improve this as it was very confusing. He recalled several years ago of receiving statements from accounting showing revenue and expenditures month by month vertical bar compared to prior years and that was helpful in determining the financial health of the utility. He would appreciate simplifying with summary sheets or graphic presentation. He also questioned user rates as money in hand that could be used for projects and that we were not talking about new user rates.

Lindman replied he would work on that for next month both narrative and graphic if it's done beforehand, he would share it with Force to see if that's the right path.

Diny reiterated this is treated as our CIP process, if the funding is not there, the list shrinks or it could grow.

Motion carried 4-0.

5) Discussion and Update on a Lead Service Line (LSL) Replacement Ordinance.

Diny explained this ordinance would have a major impact on funding, so we're going to need to give this a good kick today because we owe it to the utility and citizens to understand that we need a plan moving forward, this has been languishing here and we need to move on it.

Lindman brought some of the questions highlighted from the last meeting. One piece is the funding, there were questions if there's going to be a special assessment to the homeowners, and if there was, was it a percentage or flat rate if it was paid back over 5 years, or does it defer to other options. The city and utility have different options, we could detail those out in this ordinance or keep it more general to where private sides mandated as funding is available and structure the funding outside of the ordinance so if it changes from time to time the entire ordinance doesn't. I'm not sure where the commission is on the decision to move that forward.

Robinson questioned the proposed ordinance and CIP's work process, there seems to be disconnects relative to processes and timelines. As we go through 500, 700, 1500, 2000 a year, we build in there on the customer side, some process where we notify, they have 30 days to take two bids, we take the lower bids which is not the process that we are using. How will we reconcile the difference between our current plan and the ordinance? Do we need to somehow build some opportunities to move ahead with the ordinance that is not in its current form? Is there an off ramp?

Lindman replied we could put in either or. We could leave it more general. We could leave it like how we used to where the homeowner hired their own plumber, they are on their own or how we are doing it now and contract that work through the city and administer that and work with the homeowner. CIP is taking on the risk and all the responsibilities of the homeowner in making sure all that work is being done. We set an ordinance in place, if we get in too many details, we may have to come back year to year and constantly change it, we may want to generalize that and how the project is going to be delivered keeping in mind that the lead service line ordinance has evolved over the years and we've pulled in other municipalities and how they are doing it and we are on a path that no one else is doing. We want to try to do this more general if the city moves in one direction or another that the lead service line ordinance stays in place.

Robinson questioned the right of entrance as we've had three refusals, how do we deal with those, obviously there's a provision but we're moving down a different path and hope we have a tiered approach within the ordinance. If we go with a public and customer side city sponsored plan the following sections are not applicable, if we don't then you would have that there. I don't want to open us up to a potential criticism lawsuit or private party saying they have the right to 2 contracts and was imposed on or potential conflicts, maybe legal could work on that? The ordinance gives you a 7-year period to do the connection but we are in a 5-year plan, there's some reconciliation between the two. You got 3 years additional funding and the intent to apply (ITA) opportunities but you don't know what will happen, when planning just be aware of that 3-year window. I'm comfortable with that ordinance if we have that on/off ramp.

Lindman replied if Robinson was requesting provisions for both types of installation incorporated into the ordinance. We could work on that. How detailed do you want to get on the funding, it could be very general, as funding is available, there is already some language in the ordinance. We'll keep the funding piece general because that decision will be made year to year because we won't know the amount that would be awarded from DNR after submitting the Intent to Apply (ITA).

Diny stated if you looked at what our cost is going to be in the next 5 years and stay on that same trajectory, 1/3 of the installation for a homeowner could be $1,500 over 5 years. On a total $6,000 replacement, that's a pretty good deal. 300 a year if it's 5 years. The residents are going to want to know if that's the route we are going or if it's going to be funded. We can't keep them in the dark and if we keep this in the plan next year that we hit more city sides, we are not allowed to do partial replacements so how do we handle that. We are going to have more city side that we're going to have to complete line replaced.

Lindman questioned if Troutner had anything else to share as they've gone over this draft multiple times.

Troutner questioned bullet point three, we need an answer on who's responsible for setting the policy on how LSLs are to be paid. We talked about the council making the final decision on the ordinance but how the commission wanted this structured. Do you want a paragraph starting off with the history of funding, types of available funding as there were multiple different options and scenarios and requested direction.

Robinson stated he didn't know what he was looking for but will know when he saw it. Requesting a process, the ordinance lays down the framework under which we'd operate from a legal perspective but making sure we could deal with CIP's plan and our proposed mandatory ordinance. For the financing, maybe we say subject to the availability of funding and expand that to include special assessments as a tool for when we must deal with this on an annual basis. We'll need to look at CIP's plan for the year and see where that fits the funding based on resources available. We run risk of being inconsistent with application because 1 year we may have safe drinking water funds and loan forgiveness and other years we may not which will impact the cost. The question behind the ordinance is if we adopt it, will we put the customer's side on the rates? The only way to do that is if we had an ordinance and that may be for a different discussion but I don't know the deadline date on the provision but to address those as we encounter them?

Troutner stated the language Robinson wanted in the statute wasn't going to cover all the basis and was concerned that what he was requesting resulted in a super vague section in the ordinance about financing because that's all up in the air. She suggested sending multiple copies of what other jurisdictions were doing to Robinson to provide guidance on what he preferred and why. The one in here was similar to what Sheboygan and other municipalities that have this ordinance in place.

Robinson questioned if there could be a provision for a financing plan to be developed on an annual basis by the council subject to implementation under the ordinance and then look at the funding source as the trigger and have the plan be a perspective planning document that would be built into the ordinance to drive it so you wouldn't have to revisit the ordinance annually but through adoption of the plan.

Troutner replied we could make that work.

Diny questioned if we would be doing something different with the ordinance depending on the funding other than speeding up or slowing down the process or do something different mandate vs nonmandated? This needs to be done by October.

Robinson replied we would still have the mandatory connection ordinance; the question is when is it applicable? If we're doing the public side replacement, you have to do the private side within 5 years. The trigger mechanism would have that two-tier track and leave the current language in because there's no certainty of funding going forward but if we go with the capital improvement plan, it could be possible there's not impact financially to the customer. We could have that track where we could proceed down that CIP vs non-CIP process. If we could have the financing plan that can drive the ordinances and then within those have the available resources and have the plan be approved by the commission and council.

Agid replied 2026 ITA is due October this year for funds next year.

Force questioned if dispute resolution was covered adequately in this document? He didn't see anything related to an obstinate customer and wanted guidance.

Troutner replied the Public Service Commission (PSC) is going to require a section regarding discontinuation of water services if we are going to use rate paying funds. This was a starting point based on information received from previous meetings and discussions and this was like a soft discontinuation as opposed to a hard discontinuation. Giving the city an alternative to get compliance which is required by the PSC. I think its adequate but if you want something different, you can give me direction on what language to say.

Diny questioned if the wording could be done by the next meeting.

Troutner replied she would get it done by the next meeting.

No Action Needed.

6) **Discussion and Possible Action Approving Next Steps of a Proposed Solar Array for the Drinking Water Treatment Facility.**

Henke presented. View Discussion and Presentation beginning at 1 hour, 10 minutes, 8 seconds.

Henke presented that recommendation would be to go with slide 7, page 77 of the packet of the 720 kilowatts with the installation cost of $2.57 million stating that it uses the property for a green, ecofriendly purpose, uses the property to build resiliency into the water plant, that gives best return on our investment, leaves room for future expansion, and meets the surrounding community's concerns.

Lindman stated the next steps would be pursuing funding and working with WPS on interconnect agreements, designs, and layouts. Even with ARPA funding that would need to be obligated before end of 2024 maybe do a contract this year and do a late 2025-2026 timeframe. That would give us time to pursue Department of Energy (DOE) grants and inflation reduction act grants to help fund the project. This is more a long-term cost savings project for the utility and rate payers. We are not just looking at short term, this would help mitigate future rate increases as we move forward. We look at the payback but if this could be net neutral and over time it helps reduce our operation costs that's a win for all the users in the city.

Force reiterated the importance of demonstrating not only using the payback as a factor in determining this project but that it also demonstrated an ecologically and environmentally friendly project that puts this city on the map as supporting green energy.

*Robinson motioned to accept the recommendation of the solar array task force and direct appropriate staff to prepare the necessary presentations relative to the next steps of implementing the plan. Seconded by Gehin.

Motion carried 4-0.

7) **Discussion and Possible Action Approving a Budget for Additional Staffing as Recommended.**

Lindman outlined the budget item, what the impact would be as well as Ehler's information. Both the Water and Wastewater Utility have capacity to add staff and would like support from the commission on a budgetary standpoint and move this along to HR Committee for consideration and council. We are proposing adding 2 staff at Wastewater and 1 at Drinking Water facility this year.

Robinson stated this added about $700,000 annual cost adding all recommended staff at both water and wastewater. We're playing the excess revenue for capital projects and operations. We're factoring in all costs and impacts, in 2025, when you have that add on, can we absorb that without rate increases? Is this just for the 3 positions?

Lindman replied we are not adding all the staff recommended at once, this will be evaluated annually as operations continue. One of the biggest concerns were our user rates but after what Ehler's put together, I'm comfortable with moving this forward. We looked and based this as an absolute need to add additional staff. Brooks and Boers put together what hours we have available from staff and what hours we need and we don't have enough hours to complete our required work, not taking into account emergent situations that arise. A critical priority is to begin adding staff on a slow basis and evaluating how that effects our operations and improvements with efficiencies. The final approval goes to HR and Council, there's plenty of information here to support the request and the utility could support the 3 staff.

*Robinson motioned to approve this recommendation and move it to HR adding 1 staff for Water and 2 for Wastewater staff division. Seconded by Gehin.

Gehin stated adding these 3 employees puts us at 35 employees combined from both Water and Wastewater. He recalled there were over 50 employees.

Diny stated budget would be the driver here and we don't have an appetite for raising rates. The additional staff would be helpful to the utility as we have an increase in locates.

Motion carried 4-0.

Force questioned if it was worth our time to raise this issue of locates to legislature. Maybe drafting a letter to the legislature and pointing out the cost factor?

Boers replied it would help if we get some type of relief but it would take an act of legislature to appeal that. As a utility, we are required to maintain our items and make other companies aware of where our items are at while they are working around it. We don't have to do the work but we would be responsible if there were any damages.

Lindman stated next time he saw Snyder or any other legislature, he'd speak with them in trying to figure out how to generate revenue to cover costs with locating utilities. Force stated he was thinking that a formal request from a governing body may be beneficial.

8) **Discussion on Wastewater PFAS Sampling Results from March 2024.**

Brooks began that with March's testing, it concluded the 6 months the commission was requesting. The proposed effluent limits were highlighted at the top of the sheet. The bio solids are also below the limits of 16ng/g. The combination of PFOA/PFAS is 6.91ug/kg.

Diny advised this will roll into the Director's Report.

Robinson questioned the requirements for sampling with the new WPDES permits?

Brooks replied 1x a month for 2 years. We are not sure if there would be a Total Maximum Daily Limit (TMDL), meaning we discharge into the river or not because there hasn't been any firm talk on that yet.

No Action Needed.

9) **Discussion and Possible Action Approving the Purchase of a Truck Chassis That Will be Converted into Tanker Truck Used for Collection System Flushing Maintenance.**

Brooks began their flushing truck failed. We received Boer's old tanker and would like to purchase a truck chassis that would be used as a tanker truck with accessories to make this project complete. We are looking at around $27,000 for the truck and accessories.

*Force motioned to approve the expenditures for this truck. Seconded by Robinson who amended the motion to approve the purchase of a truck chassis not to exceed $27,000.

Motion carried 4-0.

10) **Adjourn.**

Gehin motioned to adjourn. Seconded by Robinson.

Link to view meeting in its entirety: *https://tinyurl.com/wausaucitycouncil*
Gina Vang, Recording Secretary
S:\WaterWorks\Common\WaterCommission\2024\June\WWWC_20240507_Minutes.doc.

WAUSAU WATER WORKS
FOR YOU!

MEMORANDUM

TO: President Diny
Commissioner Watson
Commissioner Force
Commissioner Gehin
Commissioner Robinson

FROM: Eric Lindman, P.E.
Director of Public Works & Utilities

SUBJECT: Director's Report – June 2024

- Status Report and Construction Update on the Drinking Water Granular Activated Carbon (GAC) Treatment Project. See attached.

- Status update on the proposed solar array project and possible ARPA funding – The Finance Committee will score and rank the project at their May 28 meeting. Staff will continue to pursue other funding sources to apply to in order to offset capital costs. Further design on the project will take place as the city council provides direction to staff on potential funding for the project.

WATER DIVISION

1. Tim Mesalk, Water Plant Operations Technician for the water department retired last month after 26 ½ years of service. We wish him well in his future endeavors.

2. Last month our Senior Distribution Maintainer was let go.

3. The Water Plant Operations Technician Position was declined by all four candidates during the last recruitment. This position was advertised again, the ad is closing 5/30. Hopefully we will have an update for the meeting.

4. The third recruitment posting for the Distribution Maintainer Position was unsuccessful.

5. Currently, in the water department, we have 3 employees who have been with the utility for more than 10 years. If you average the time staff has been with the department for the other 12 employees (2 months to 9 years), the average is about 3 years per employee.

WASTEWATER DIVISION

1. Wastewater Facility Construction Update: See attached.

2. The Wastewater Treatment Plant continues to discharge a quality effluent. Optimization throughout the plant continues to ensure a quality effluent is being discharged.

3. The Greenwood Hills lift station is currently in service and working well. Pavement restoration is complete with ground restoration remaining. The start-up date of the Northwestern lift station has been delayed until WPS installs the new meter socket. Start-up to follow along with ground and pavement restoration.

4. **Wastewater Professionals Appreciation Day Observed: Tony Evers, Governor of the State of Wisconsin, has proclaimed May 22, 2024, as Wastewater Professionals Appreciation Day throughout the State of Wisconsin.**

Invoice Status Report

PFAS Response

City of Wausau, Wisconsin

Donohue Project Number 14066

4

Invoice 14066-25
Period | April 7, 2024 – May 4, 2024

Activities This Period

- Supported City as needed with communications and information.
- Conducted Internal Coordination Meetings as needed and provided Monthly Status Report.
- Responded to Requests for Information and clarification of construction documents.
- Reviewed Contractor responses to RFPs coagulant room and polymer system modifications.
- Reviewed Pay Application 7.
- Prepared Change Order 3.
- Reviewed submittals and provided comments to Contractor.
- Reviewed Contractor requests for facility shutdown as needed.
- Provided on-site observation of construction, with Resident Project Representative (RPR) at site while Contractor and Subcontractors performing major construction activities including facility shutdowns, underground facility installations and RPR staff on site to observe Contractor progress and answer Contractor questions.
- Coordinated resin disposal with Clean Harbors and Contractor.
- Developed alkaline brine regeneration process and equipment requirements.
- Continued development of cost estimates for clean-in-place process for air stripper media and alkaline brine regeneration process and equipment requirements.
- Continued to work with Contractor and vendor on proposals for changing GAC valve supplier due to delay in valve availability; this requires modification of GAC system face piping and consideration of changes in piping dimensions.
- Attended monthly construction progress meeting and on site meeting with Contractor as necessary.
- Coordinated with US EPA representative for Congressionally Directed Spending grant and WDNR for SDWLP.

Activities Next Period

- Support City as needed with communications and information.
- Conduct internal Weekly Coordination Meetings as needed and provide Monthly Status Report.
- Provide construction related services including on-site observation, review of submittals, consideration of requests for information, processing change orders and pay applications.
- Continue review of RFPs as needed and develop RFPs as needed.
- Continue support of funding activities including Safe Drinking Water Loan and advancing toward loan closing.

Invoice Status Report

PFAS Response

City of Wausau, Wisconsin

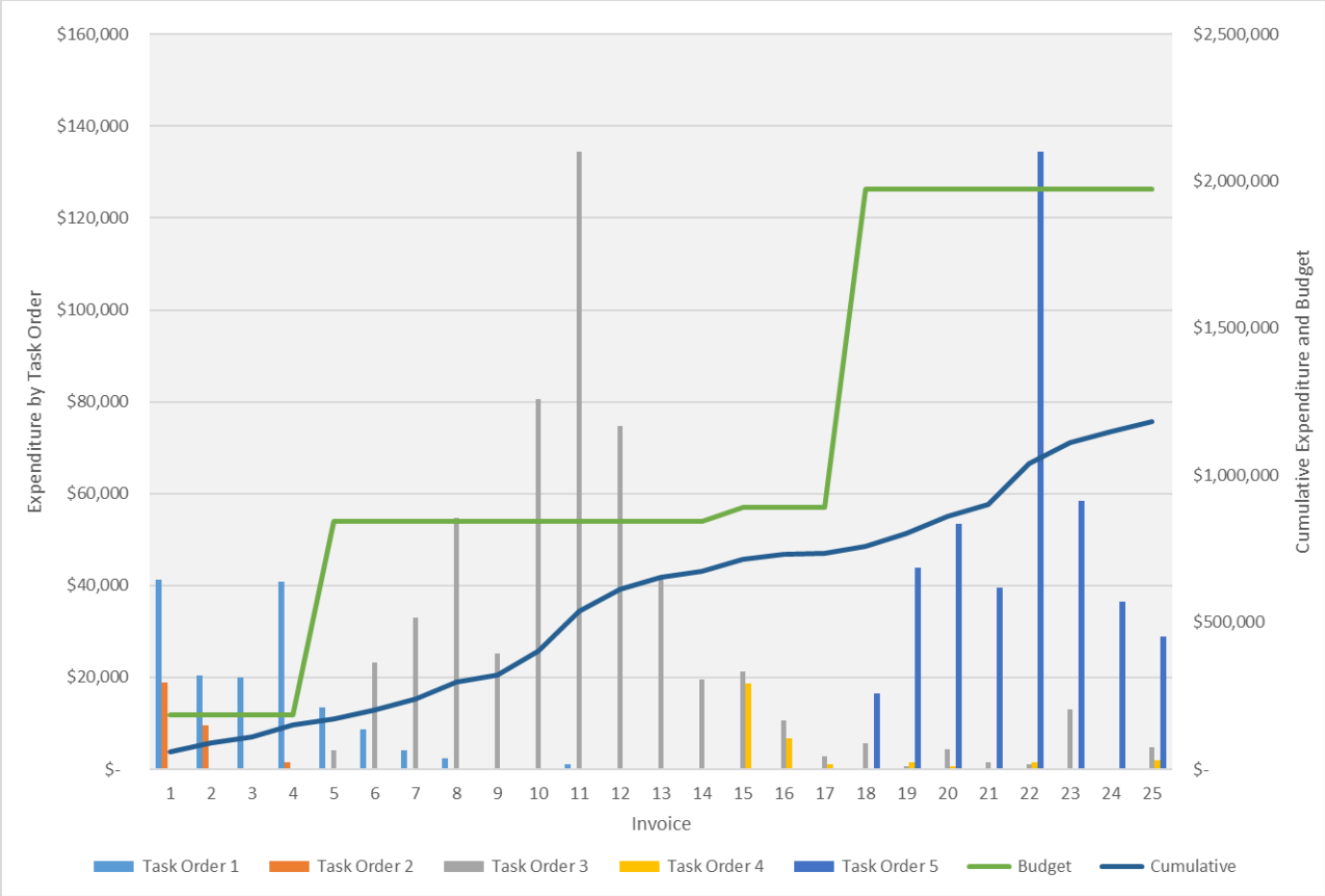
Donohue Project Number 14066

4

Invoice 14066-25
Period | April 7, 2024 – May 4, 2024

Budget Status

Engineering Budget



Invoice Status Report

PFAS Response

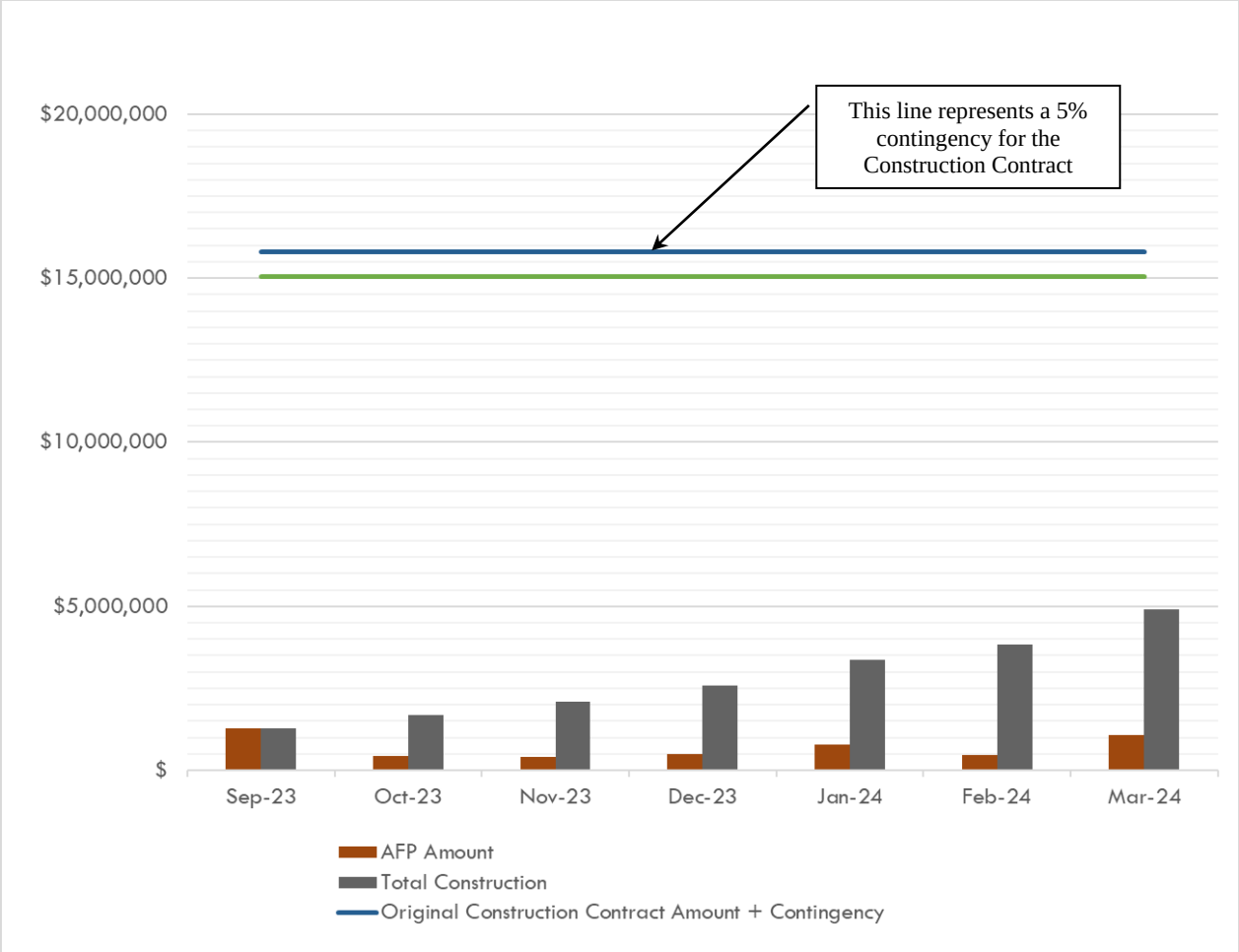
City of Wausau, Wisconsin

Donohue Project Number 14066

4

Invoice 14066-25
Period | April 7, 2024 – May 4, 2024

Construction



Construction Photo Log

The photos below represent the construction activities that have taken place thus far.

Firkus Masonry setup on the north side to continue concrete masonry unit walls for Structure 120 (PFAS Treatment Building).

Firkus Masonry pouring first bond beam at 10-ft for the north wall of Structure 120.

4

Invoice 14066-25
Period | April 7, 2024 – May 4, 2024

Lower pipe stand sonotubes poured between Structure 100 and Structure 120.

Upper pipe stand sonotubes poured between Structure 100 and Structure 120, vent pipe goose neck installed.

4

Invoice 14066-25
Period | April 7, 2024 – May 4, 2024

Raising the grade between Structure 100 and Structure 120 at the west side to allow for masons to set up scaffolding.

Econ Electric setting electrical conduit runs that come up through floor in Structure 120.

Invoice Status Report

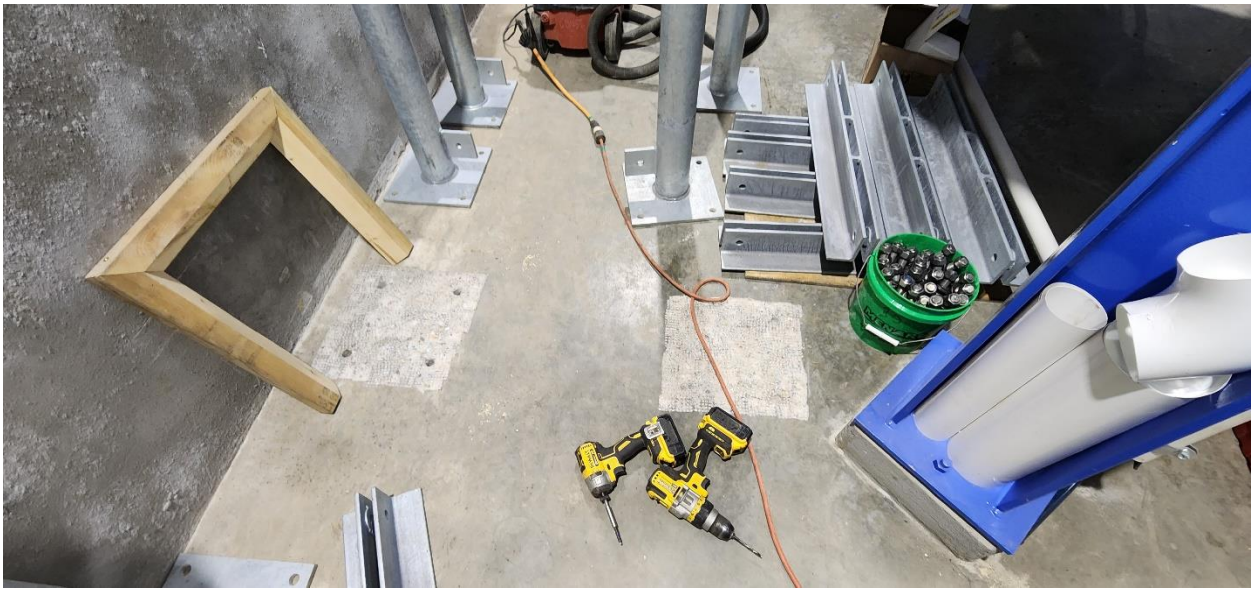
PFAS Response

City of Wausau, Wisconsin

Donohue Project Number 14066

4

Invoice 14066-25
Period | April 7, 2024 – May 4, 2024



Bush hammering in Structure 100 for 20-in pipe pipe stands placement.

Masons working on west end of Structure 120 about halfway complete.

Invoice Status Report

PFAS Response

City of Wausau, Wisconsin

Donohue Project Number 14066

4

Invoice 14066-25
Period | April 7, 2024 – May 4, 2024

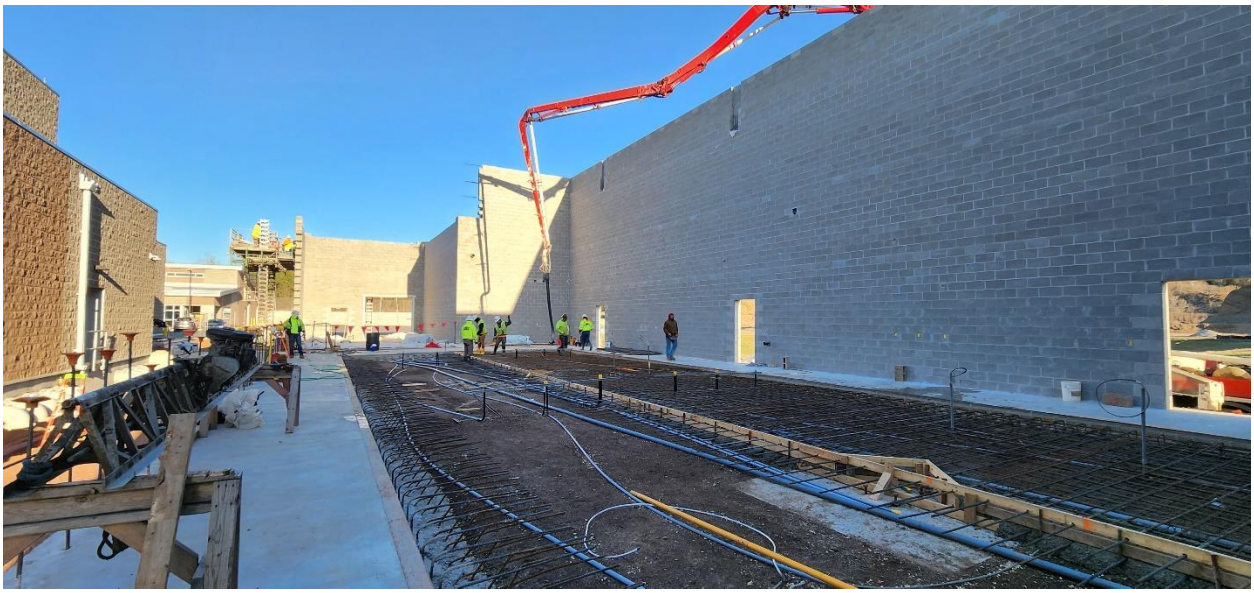
Ellis working on the rebar placement for the center north half of the slab on grade in Structure 120.

Carl's Landscape preparing the grade for the landscape retaining wall off the northeast corner of Structure 100.

4

Invoice 14066-25
Period | April 7, 2024 – May 4, 2024

August Winters set the first pipe stands in Structure 100 (Process Building) for connection to PFAS treatment system in Structure 120.



Ellis pouring the center north half of the slab on grade for Structure 120.

Invoice Status Report

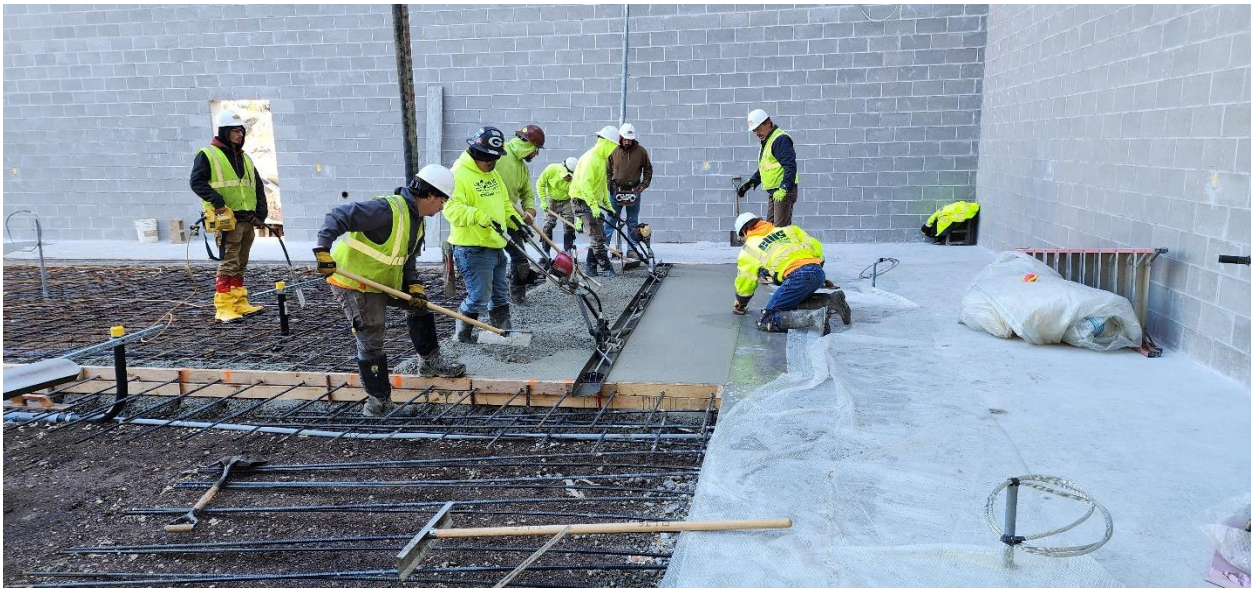
PFAS Response

City of Wausau, Wisconsin

Donohue Project Number 14066

4

Invoice 14066-25
Period | April 7, 2024 – May 4, 2024



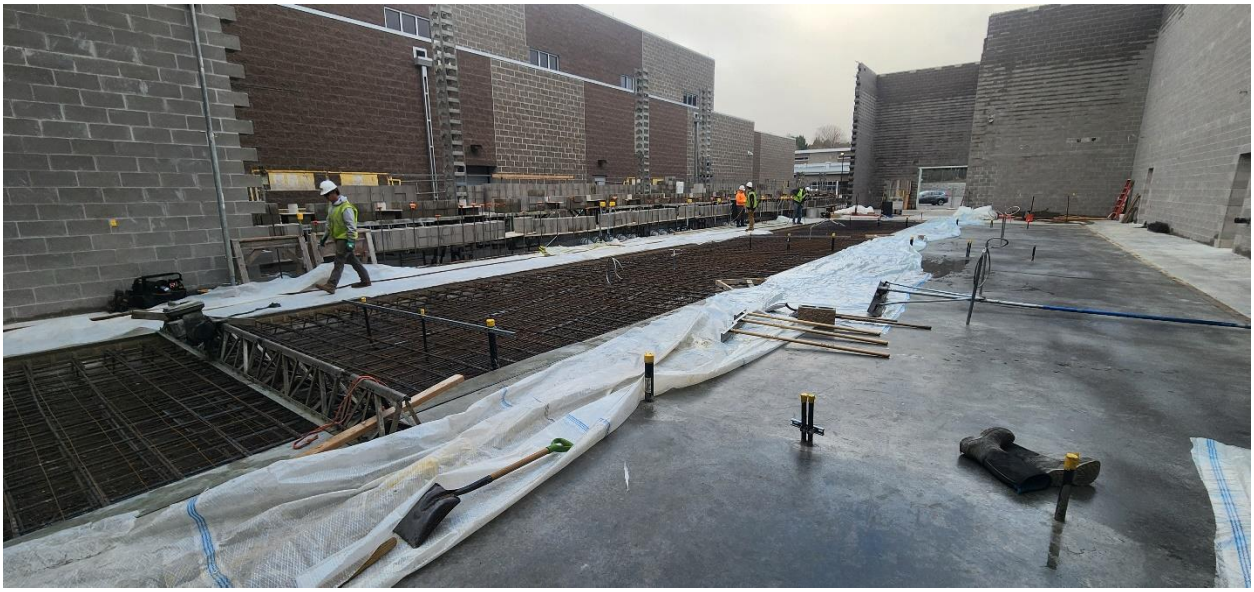
First concrete in for north portion of slab on grade.

Finish work on the north portion of slab on grade in Structure 120.

4

Invoice 14066-25
Period | April 7, 2024 – May 4, 2024

Carl's placing the concrete landscape blocks at the northeast corner of Structure 100.

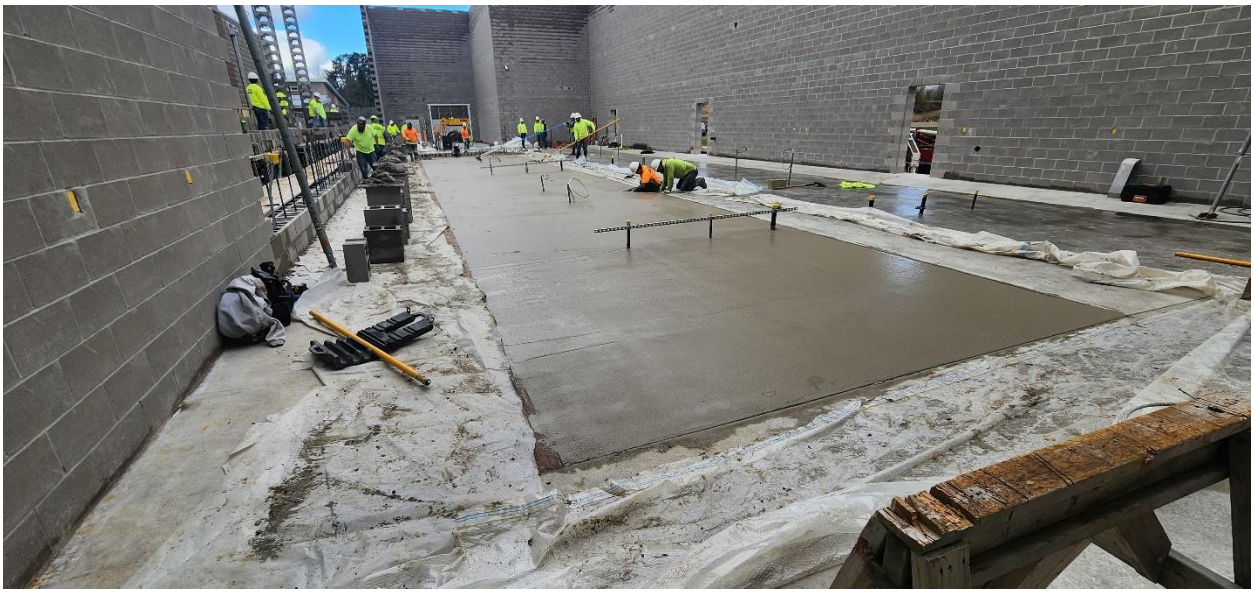


Ellis has rebar set, Econ Electric has conduit in and everything ready for pour of the center south half of Structure 120 slab on grade.

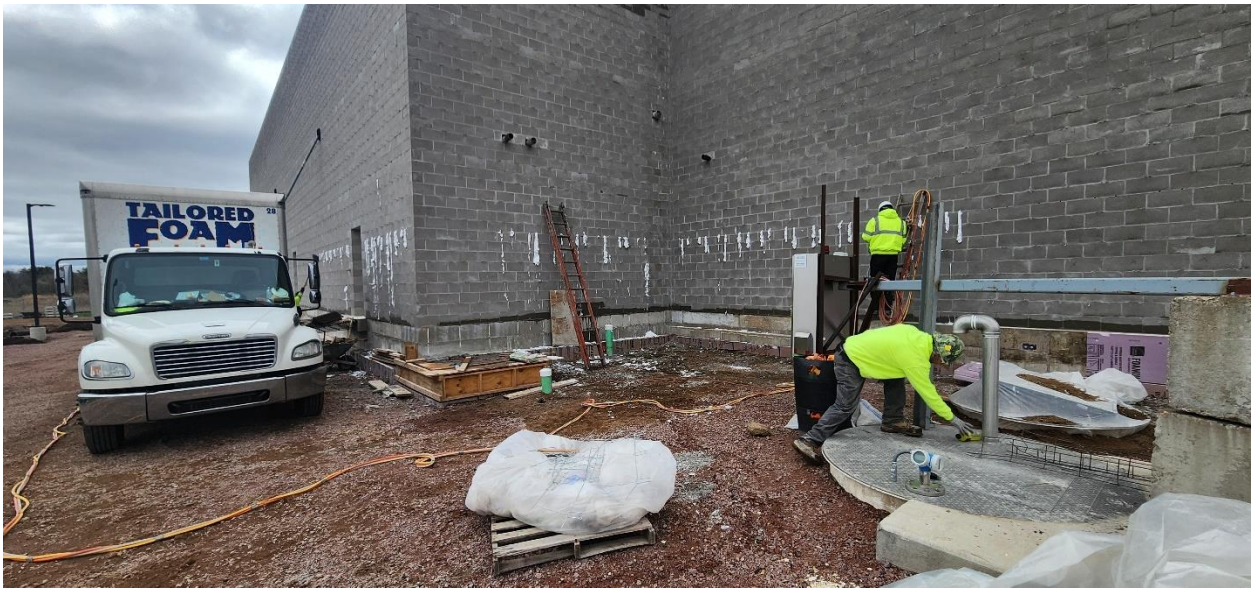
4

Invoice 14066-25
Period | April 7, 2024 – May 4, 2024

Firkus Masonry setting up to complete the south concrete masonry unit portion of the wall of Structure 120, Ellis has sump curb wall formed.



Ellis finishing up center south portion of slab on grade for Structure 120.



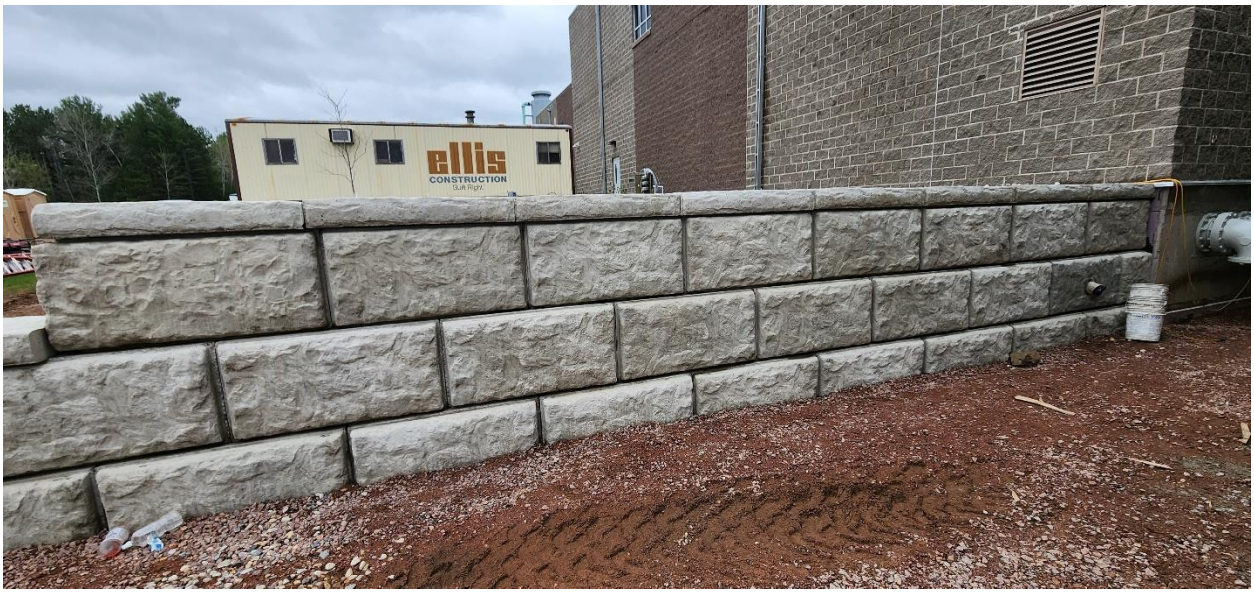
Tailored Foam injecting CMU with foam insulation at the NW corner of Structure 120

Pipe sleeves set for the two 20-inch pipes, the 4-inch W2, 1-inch natural gas and 3/4-inch W1 lines in Structure 120.

4

Invoice 14066-25
Period | April 7, 2024 – May 4, 2024

Ellis working on Structure 120 east cantilever stoop landing.



Landscape block wall complete off northeast corner of Structure 100.

Invoice Status Report

PFAS Response

City of Wausau, Wisconsin

Donohue Project Number 14066

4

Invoice 14066-25
Period | April 7, 2024 – May 4, 2024

Looking west inside Structure 120 completed slab on grade, August Winter getting prepped to layout stands and piping.

INVOICE

DONOHUE

3311 Weeden Creek Road
Sheboygan, WI 53081
Phone: 920-208-0296
www.donohue-associates.com

Invoice To:

City of Wausau
Attn: Eric Lindman
407 Grant Street
Wausau, WI 54403

Invoice Date:	May 9, 2024
Donohue Project No.:	14066
Invoice No:	14066-25
Project Manager:	Susan Wojtkiewicz
Terms:	Net 30 Days
Billing Period:	04/07/24 - 05/04/24

Project Description: Continuing Services Agreement

Your Authorization: Continuing Professional Services Agreement, Signed 03/17/22
Task Order No. 1, Signed 03/17/22
Task Order No. 2, Signed 03/18/22
Task Order No. 3, Signed 07/21/22
Task Order No. 4, Signed 05/16/23
Task Order No. 5, Signed 08/09/23

Compensation:

Task Order No. 1 - Time and Expense Not-to-Exceed	$	155,375.00
Task Order No. 2 - Time and Expense Not-to-Exceed	$	30,000.00
Task Order No. 3 - Time and Expense Not-to-Exceed	$	658,695.00
Task Order No. 4 - Time and Expense Not-to-Exceed	$	44,920.00
Task Order No. 5 - Time and Expense Not-to-Exceed	$	1,083,284.00
Total	$	1,972,274.00

Billing Summary:

Total Charges to Date	$	1,182,931.49
Charges Previously Billed	$	1,147,405.01
Current Charges	$	35,526.48
Task Order No. 1	$	155,375.00
Total Charges to Date	$	152,354.26
Charges Previously Billed	$	152,354.26
Labor (hours)	$	-
Reimbursable Expenses	$	-
Subconsultants	$	-
Total	$	-
Task Order No. 2	$	30,000.00
Total Charges to Date	$	30,000.00
Charges Previously Billed	$	30,000.00
Task Order No. 3	$	658,695.00
Total Charges to Date	$	557,059.09
Charges Previously Billed	$	552,344.09
Labor (23.0 hours)	$	4,715.00
Reimbursable Expenses	$	-
Permit Fees	$	-
Subconsultants	$	-
Total	$	4,715.00

Task Order No. 4		$	44,920.00
Total Charges to Date		$	32,145.00
Charges Previously Billed		$	30,197.50
Labor (9.5 hours)		$	1,947.50
Reimbursable Expenses		$	-
Subconsultants		$	-
	Total	$	1,947.50
Task Order No. 5		$	1,083,284.00
Total Charges to Date		$	411,373.14
Charges Previously Billed		$	382,509.16
Labor (143.5 hours)		$	27,635.00
Reimbursable Expenses		$	1,228.98
Subconsultants		$	-
	Total	$	28,863.98
Current Charges Due		**$**	**35,526.48**

Please Remit to:

Donohue & Associates, Inc.
3311 Weeden Creek Road
Sheboygan, WI 53081
Phone: 920-208-0296
Fax: 920-208-0402

Aged Receivables

Current	31 - 60 Days	61 - 90 Days	91 - 120 days	>120 days
$35,526.48	$36,578.17	$0.00	$0.00	$0.00

Project Status Report

Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | April 14, 2024 – May 11, 2024

Invoice 83

Engineer Activities This Period

- Warranty Items continue to be addressed by the Contractor.
- The Engineer's application engineering staff continues to make SCADA edits for various systems as unit process systems are being operated.
- Electronic and Hardcopies of final standard operating procedures (SOPs) have been sent to the Owner.
- Prepared Dryer Trends since previous WDNR meeting.

Engineer Near-Term Activities

- Continue to assist with Warranty Items List.
- Witness concrete pavement panel replacement along east side of Soilds Building (Str 770).
- Deliver Record Drawings.
- Provide final zero dollar pay application and closeout letter to Owner once Warranty Item list is completed.
- Assist Owner with WDNR Class A biosolids approval.
- Submit CWF final disbursement request(s).

Project Status Report

Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

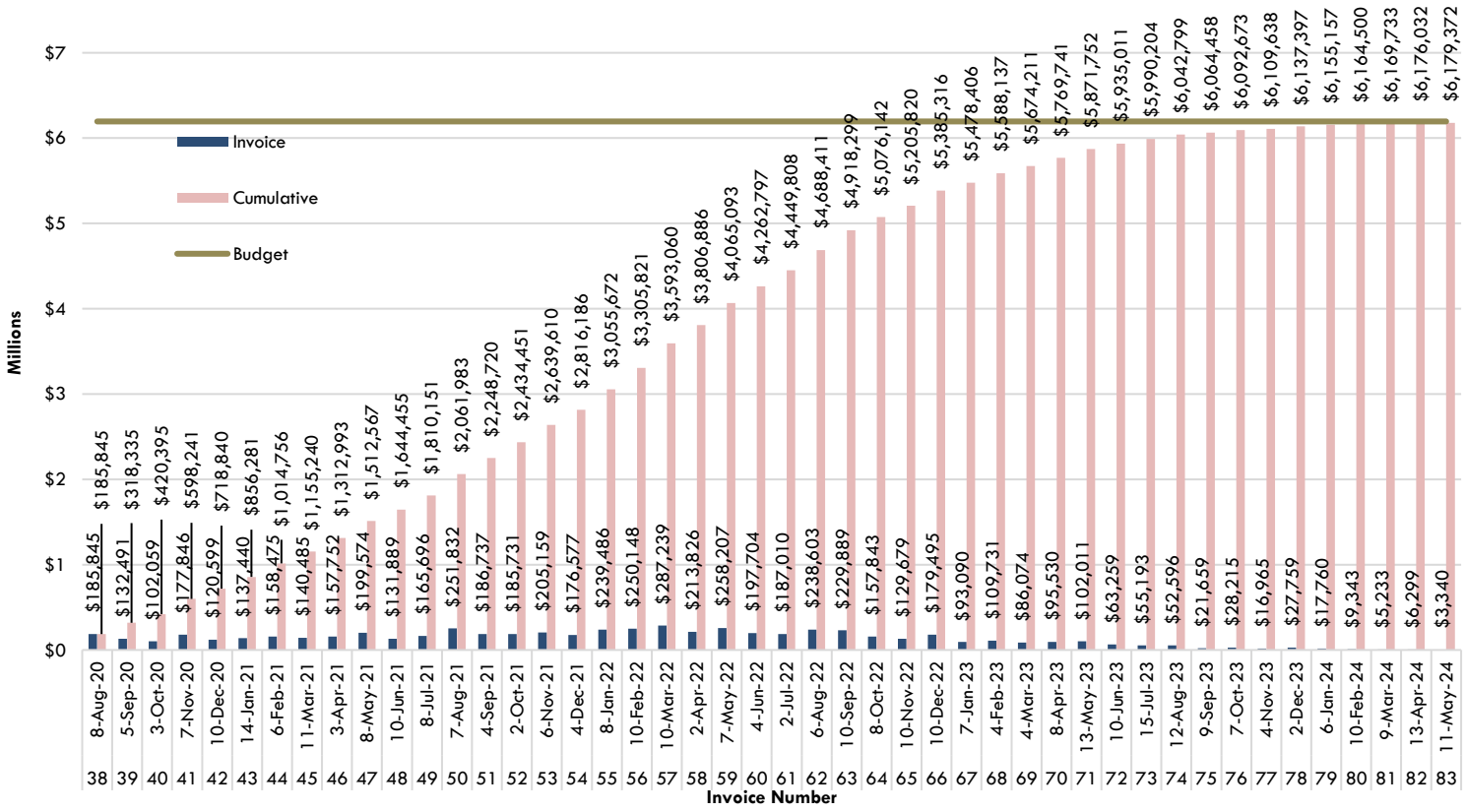
Donohue Project Number 13229

Period | April 14, 2024 – May 11, 2024

Invoice 83

Project Related Budget Snapshot

Construction Engineering Budget



Project Status Report

Wastewater Treatment Facility Improvements Project – Engineer During Construction

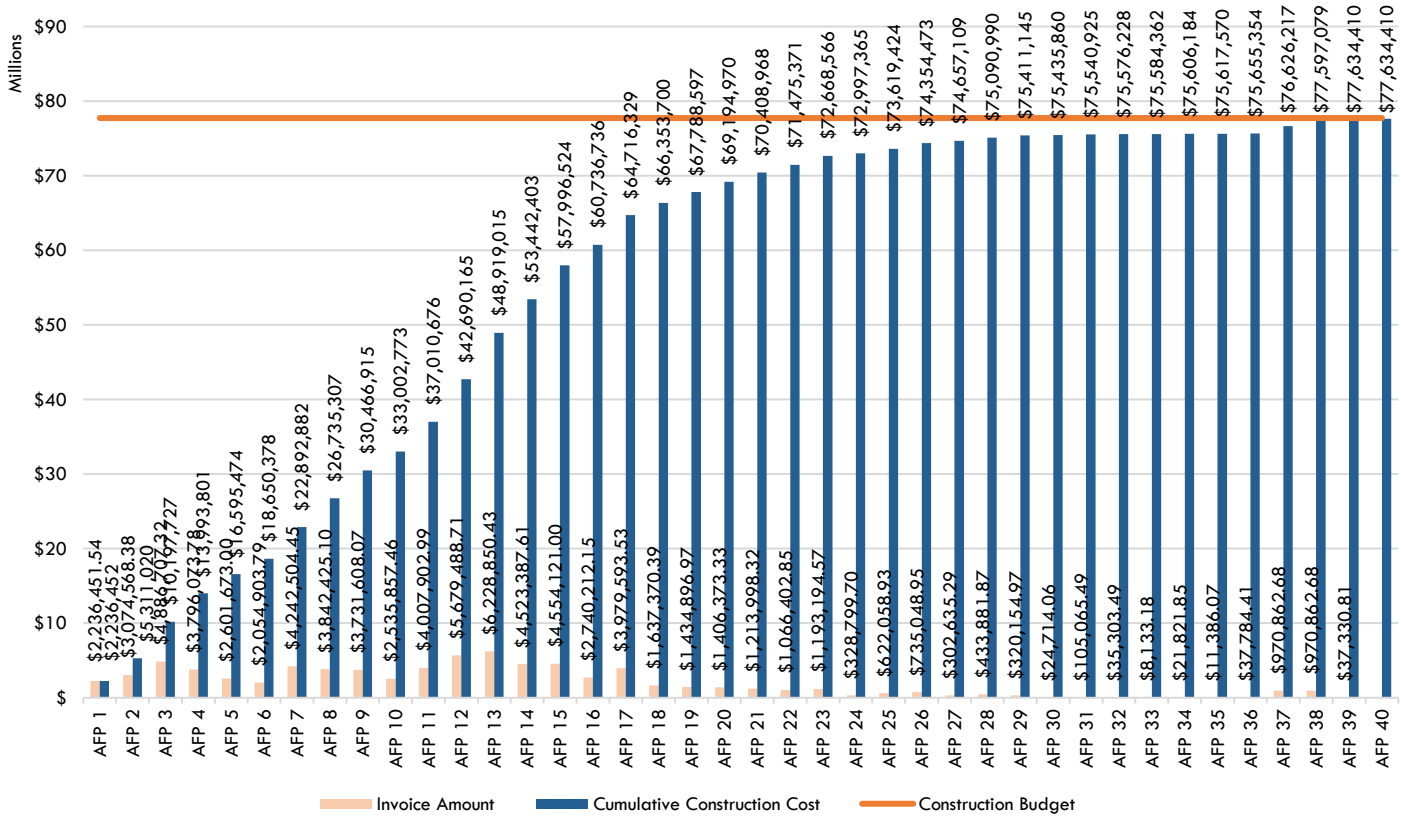
City of Wausau, Wisconsin

Donohue Project Number 13229

Period | April 14, 2024 – May 11, 2024

Invoice 83

Construction Budget: Pay Applications Approved by Engineer



Project Status Report

Wastewater Treatment Facility Improvements Project – Engineer During Construction

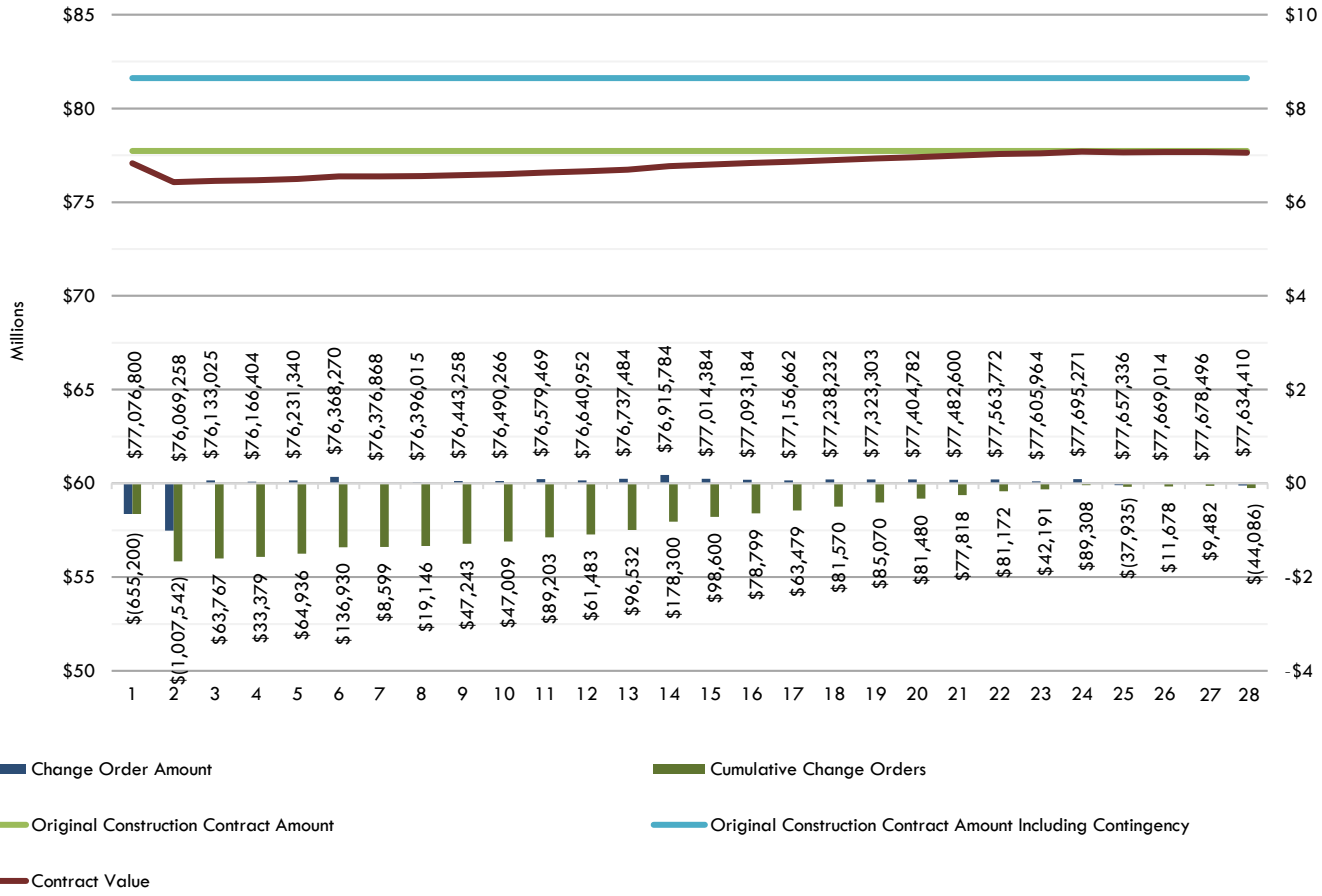
City of Wausau, Wisconsin

Donohue Project Number 13229

Period | April 14, 2024 – May 11, 2024

Invoice 83

Overall Project Budget



Budget Notes:

1. No budget issues at this time.

Remarks

1. Construction is complete except for punch list corrective work; therefore, construction photographs are no longer beneficial to document project progress.

INVOICE

DONOHUE

3311 Weeden Creek Road
Sheboygan, WI 53081
Phone: 920-208-0296
www.donohue-associates.com

Invoice To:

City of Wausau
Attn: Ben Brooks
407 Grant Street
Wausau, WI 54403

Invoice Date:	May 16, 2024
Donohue Project No.:	13229
Invoice No:	13229-83
Project Manager:	Mike Gerbitz
Terms:	Net 30 Days
Billing Period:	04/14/24 - 05/11/24

Project Description: Wastewater Facilities Plan & Design

Your Authorization:
Engineering Services Agreement, Signed 03/29/17
Amendment No. 1, Signed 06/28/18
Amendment No. 2, Signed 03/05/19
Amendment No. 3, Signed 01/27/20
Amendment No. 4, Signed 05/07/20
Permit Review Fees Payment Request, 02/27/20

Compensation:

Time and Expense		$	129,220.00
Time and Expense		$	984,565.00
Time and Expense		$	3,323,900.00
Time and Expense		$	4,351,831.00
Time and Expense		$	1,843,325.00
Permit Review Fees		$	12,534.50
	Total	$	10,645,375.50

Billing Summary:

Total Charges to Date		$	10,630,606.81
Charges Previously Billed		$	10,627,266.76
Current Charges		$	3,340.05
Summary of Current Charges			
Labor (16.0 hours)		$	3,100.00
Reimbursable Expenses		$	240.05
Permit Review Fees		$	-
Subconsultants		$	-
	Total	$	3,340.05
Current Charges Due		**$**	**3,340.05**

Please Remit to:

Donohue & Associates, Inc.
3311 Weeden Creek Road
Sheboygan, WI 53081
Phone: 920-208-0296
Fax: 920-208-0402

Aged Receivables

Current	31 - 60 Days	61 - 90 Days	91 - 120 days	>120 days
$3,340.05	$6,299.21	$5,232.50	$9,343.34	$0.00

WAUSAU WATER WORKS
FOR YOU!

2024 Wastewater Professionals Appreciation Day – Proclamation

April 19, 2024 Governor Tony Evers signed a proclamation proclaiming that on May 22, 2024 of each year, that this day will be recognized in the State of Wisconsin as Wastewater Professionals Appreciation Day.

I am thrilled to announce that May 22, 2024 has officially been proclaimed as Wastewater Professional Appreciation Day!

This proclamation is a celebration of the hard work, dedication, and invaluable contributions of our wastewater professionals who play a vital role in safeguarding public health and protecting our environment.

Wastewater professionals work tirelessly behind the scenes to ensure that our community has access to clean and safe water. From wastewater treatment plant operators to engineers, technicians, and environmental specialists, these individuals demonstrate unwavering commitment and expertise in managing our wastewater systems.

On May 22, of each year, we invite you to join us in honoring and recognizing the efforts of these essential workers.

407 GRANT STREET * WAUSAU,WI 54403-4783 * 715 261-6530 * FAX 715 261-6535

STATE *of* WISCONSIN

OFFICE *of the* GOVERNOR

Proclamation

WHEREAS; water is the most valuable and vital natural resource, and the state of Wisconsin is committed to guaranteeing access to clean water and ensuring the health and safety of all those living in and visiting the state; and

WHEREAS; the Wisconsin Wastewater Monitoring Program provides critical public health information and is a pillar of the state's public health program; and

WHEREAS; the success of this program relies on the dedicated wastewater professionals across Wisconsin to collect and submit wastewater samples for disease monitoring that enables rapid and cost-efficient tracking of public health threats; and

WHEREAS; many Wisconsinites are unaware of the critical role that wastewater professionals play in our public health response, and the sacrifices they have made on behalf of our shared mission of promoting and protecting the health of the people of Wisconsin; and

WHEREAS; on this occasion, the state of Wisconsin joins the Wisconsin Department of Health Services, alongside dedicated advocates, organizations, and professionals, in celebrating wastewater professionals for their dedicated service to protecting and promoting the health, safety, and overall well-being of all Wisconsinites;

NOW, THEREFORE, I, Tony Evers, Governor of the State of Wisconsin, do hereby proclaim May 22, 2024, as

WASTEWATER PROFESSIONALS APPRECIATION DAY

throughout the State of Wisconsin, and I commend this observance to all our state's residents.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Wisconsin to be affixed. Done at the Capitol in the City of Madison this 19th day of April 2024.

Tony Evers

TONY EVERS
GOVERNOR

By the Governor:

SARAH GODLEWSKI
Secretary of State

Tony Evers
Governor

Kirsten L. Johnson
Secretary

State of Wisconsin
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET
PO BOX 2659
MADISON WI 53701-2659

Telephone: 608-266-1251
Fax: 608-267-2832
TTY: 711 or 800-947-3529

Dear Wausau Water Works WWTF,

On behalf of the Wisconsin Department of Health Services (DHS), the Wisconsin Wastewater Surveillance Program, and the millions of Wisconsinites we serve, we would like to extend our deepest gratitude to you and your staff for your public health partnership and support during the COVID-19 pandemic and beyond. To recognize this effort, Governor Evers has proclaimed that May 22nd, 2024, will be commemorated as Wastewater Professionals Appreciation Day in Wisconsin. Congratulations on this important recognition!

Our public health mission is to protect and promote the health of Wisconsinites. Your support has allowed us to effectively achieve this goal by using wastewater testing to gain valuable new insights about diseases affecting all Wisconsinites. Since September 2020, your utilities wastewater professionals have submitted 378 wastewater samples to the wastewater monitoring program. These samples have played a key role in understanding COVID-19 and responding to public health threats affecting Wisconsin communities. This new understanding protects and promotes public health in a way not possible prior to wastewater monitoring.

Additionally, the wastewater samples you supply have become a pillar of public health efforts related to COVID-19. They provide timely, reliable, and accurate estimates of disease prevalence in our communities. The Wisconsin COVID-19 wastewater data dashboard is a great example of a public health effort that helps Wisconsin communities. Every week, thousands of people turn to the dashboard to make personal health-related decisions.

In addition to COVID-19, other respiratory diseases affect thousands of Wisconsin citizens each year. Recently, DHS has used wastewater testing to monitor the spread of influenza and other respiratory diseases. Data and alerts from this testing allow hospitals, clinics, and your local public health departments prepare for and respond to disease outbreaks. DHS will soon launch a new wastewater dashboard that will provide timely information about many of these other diseases for public use.

This progress is only possible because of your dedication and presence on the front lines of wastewater monitoring. We recognize the work you do has always supported public health, and we would like to extend our appreciation, especially for your wastewater surveillance support. Your continued partnership in this growing program remains vital to the public health infrastructure in Wisconsin, and we are committed to maintaining and finding ways to effectively support your partnership long-term. The future of wastewater monitoring is just beginning, and we will continue to expand our ability to monitor and respond to many diseases affecting the health of Wisconsin citizens.

On behalf of Wisconsinites residing in the communities you serve, thank you for your dedication to safeguarding public health. We recognize that the Wisconsin Wastewater Surveillance System would not be nearly as strong without your contribution.

Paula Tran
State Health Officer and Administrator
Division of Public Health

2024 IMPACT REPORT:

Wausau Water Works WWTF Wastewater Treatment Facility

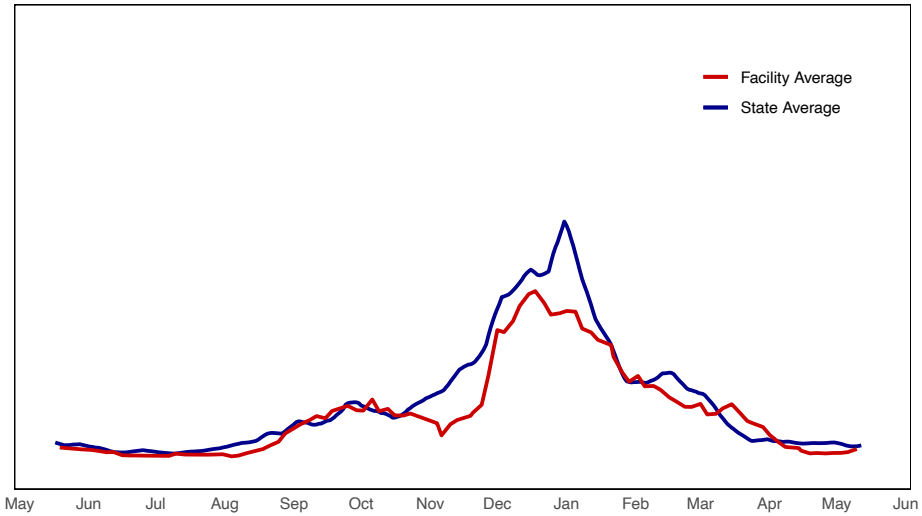
Your partnership in the Wisconsin Wastewater Surveillance Program allows us to better track and respond to public health threats that affect Wisconsin communities. On behalf of the Wisconsin Department of Health Services, our laboratory partners and all Wisconsinites: **THANK YOU**.

PUBLIC HEALTH IMPACTS:

In Wausau

- Wausau community members can **monitor COVID-19 levels** and make informed decisions from wastewater data.

May 2023–2024 Wausau SARS–CoV–2 Concentration

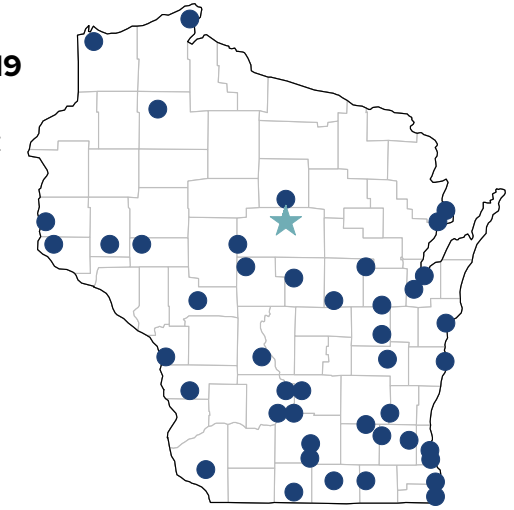


378 wastewater samples collected for COVID-19 monitoring

50 wastewater samples tested for COVID-19 variant tracking

In Wisconsin

- Wisconsinites use the **COVID-19 wastewater dashboard** to make informed decisions about their health.
- Selected wastewater samples are analyzed for the **flu, RSV, and norovirus**, with more disease targets in development in 2024.
- These data help public health departments and hospitals **prepare for and respond to outbreaks** for a wide variety of public health threats.



★ **Wausau Water Works WWTF**

● Participating Site

In 2024 there have been over:

3 million Wisconsinites represented in participating sewersheds.

14,500 wastewater samples collected for COVID-19 monitoring.

2,370 wastewater samples tested for COVID-19 variant tracking.

2,500 wastewater samples tested for flu, RSV, or norovirus.

1,000 weekly visitors to public data webpage.

WISCONSIN DEPARTMENT of HEALTH SERVICES

Wisconsin State Laboratory of Hygiene
UNIVERSITY OF WISCONSIN–MADISON

UNIVERSITY of WISCONSIN UWMILWAUKEE

Feedback? Contact us at DHSwastewater@dhs.Wisconsin.gov

Created May 2024

Certificate of Appreciation

The State of Wisconsin formally recognizes

Wausau Water Works WWTF

for its contribution to Wisconsin's Wastewater Surveillance Program aiding in Wisconsin's SARS-CoV-2 monitoring. Wastewater samples provided by Wausau Water Works WWTF contribute vital public health data, enhance public health ability to identify and respond to COVID-19 trends, and safeguard the health and well-being of our community.

WISCONSIN DEPARTMENT *of* HEALTH SERVICES

Paula Tran
State Health Officer and Administrator
Division of Public Health

GREAT SEAL OF THE STATE OF WISCONSIN
FORWARD

Department of Public Works & Utilities

Eric Lindman, P.E.
Director of Public Works and Utilities

TO: Wausau Water Works Commission

FROM: Eric Lindman, P.E.
Director of Public Works & Utilities

DATE: June 4, 2024

SUBJECT: W&S Project Funding Outlook for 2025-2029

Staff prepared the 2025-2029 Capital Plan and through further discussion at the May meeting it was requested to look at various level of funding scenarios and to see how that affects the utility's borrowing and the utility's ability to pay back borrowed funds. This memo contains various options, for both water and wastewater, related to funding and borrowing for capital projects. The scenarios include the necessary borrowing for all projects included in the 2025-2029 proposed capital project plan and the addition of staffing proposed at the utility. The scenarios presented are a representation of the utility assuming the expected revenue remains constant without any significant escalations in operating costs.

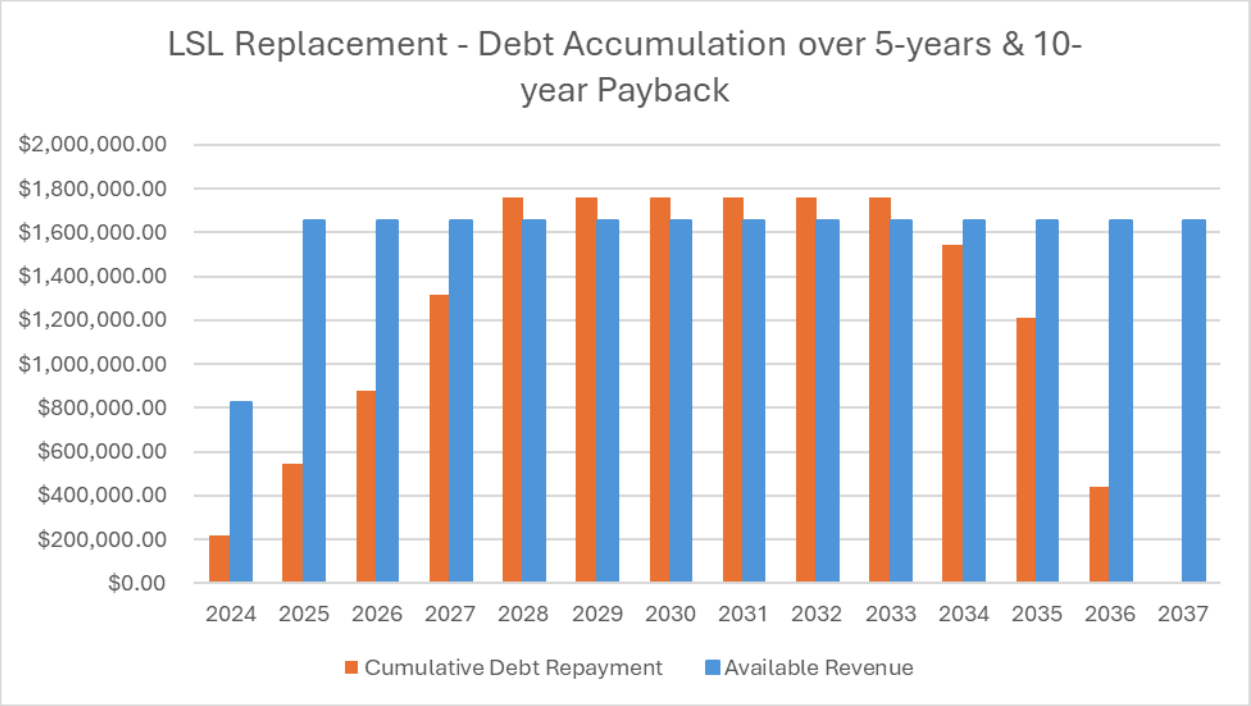
As was discussed at the Commission and the City Council meetings Ehler's is in the process of preparing a detailed outlook of the utility financials based on both capital and operations. This will be presented at the August meeting for review and discussion. The information being presented is to help the Commission understand how projects and their potential borrowing may affect the utility and try to understand what the ability of the utility is to fund capital projects based on the current ate revenue.

Below are several scenarios related to funding capital projects and additional staff at the water and wastewater utility. The scenarios are inclusive of the proposed 2025-2029 fiver year capital plan, it includes the proposed WDNR Environmental loan funded projects and includes the proposed increase in staffing. There are some highlights I would like to point out:

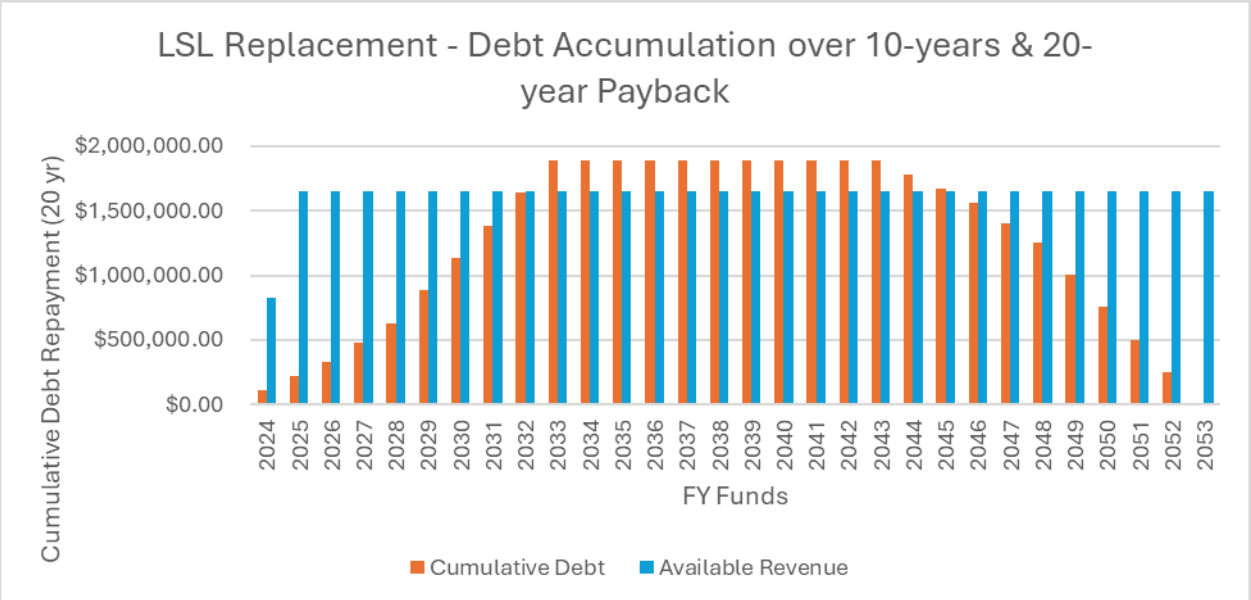
1. Drinking Water – the most significant impact is the LSLR plan if the debt for the loans were to be funded by the utility.
2. There is capacity in the water utility for both capital projects and staffing increases as needed.

This memo covers an overview of the drinking water side, the next meeting I will complete a similar comparison for the wastewater utility and in August Ehler's will have a more detailed long range financial view of utility revenue projections along with or proposed capital plan.

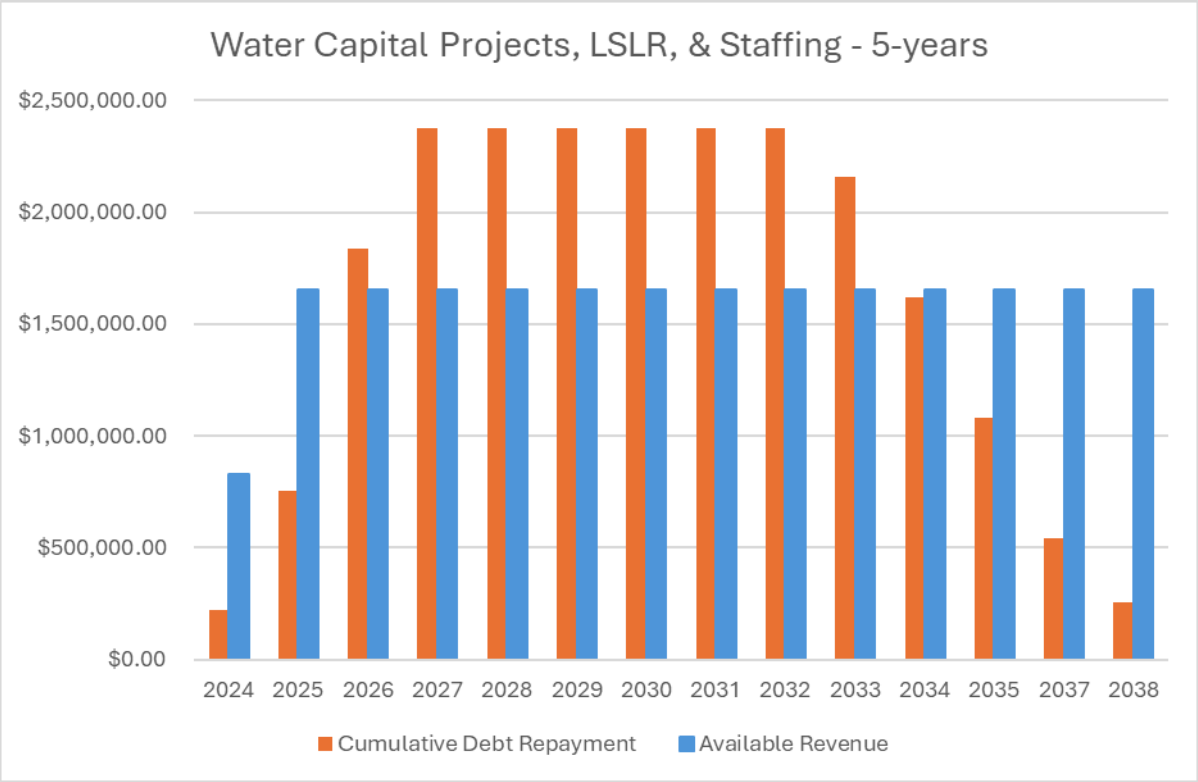
1. Debt impact on the water utility if the full estimated loan amount for LSL Replacement was 100% funded through water rates. This assumes a 5-year replacement project with a 10-year debt payback.



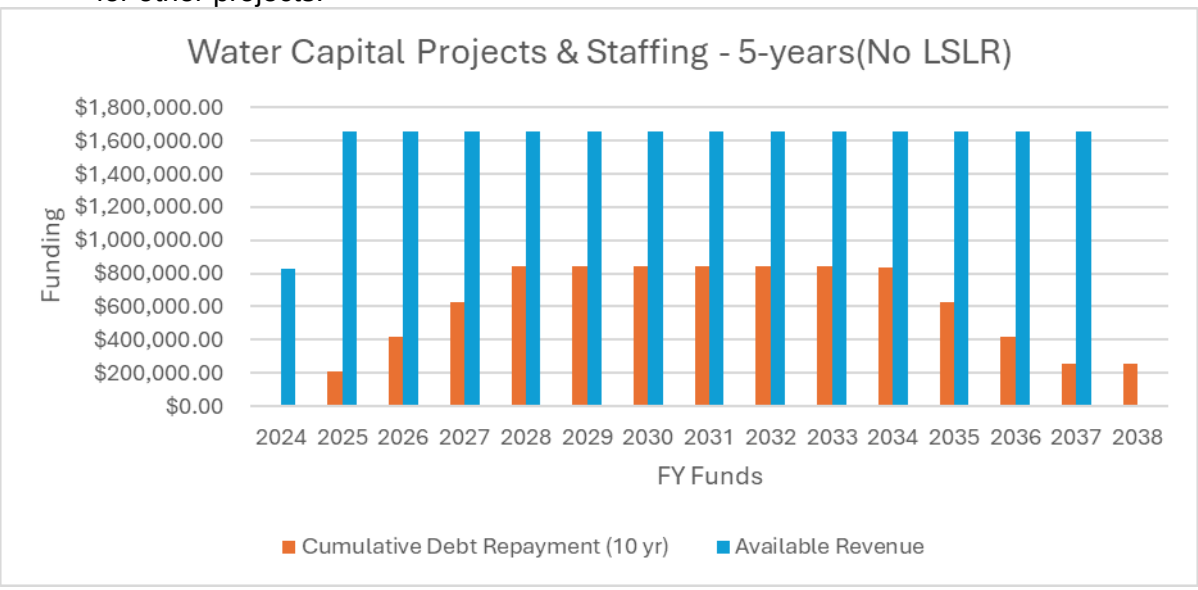
2. Debt impact on the water utility if the full estimated loan amount for LSL Replacement was 100% funded through water rates. This assumes a 10-year replacement project with a 20-year debt payback.



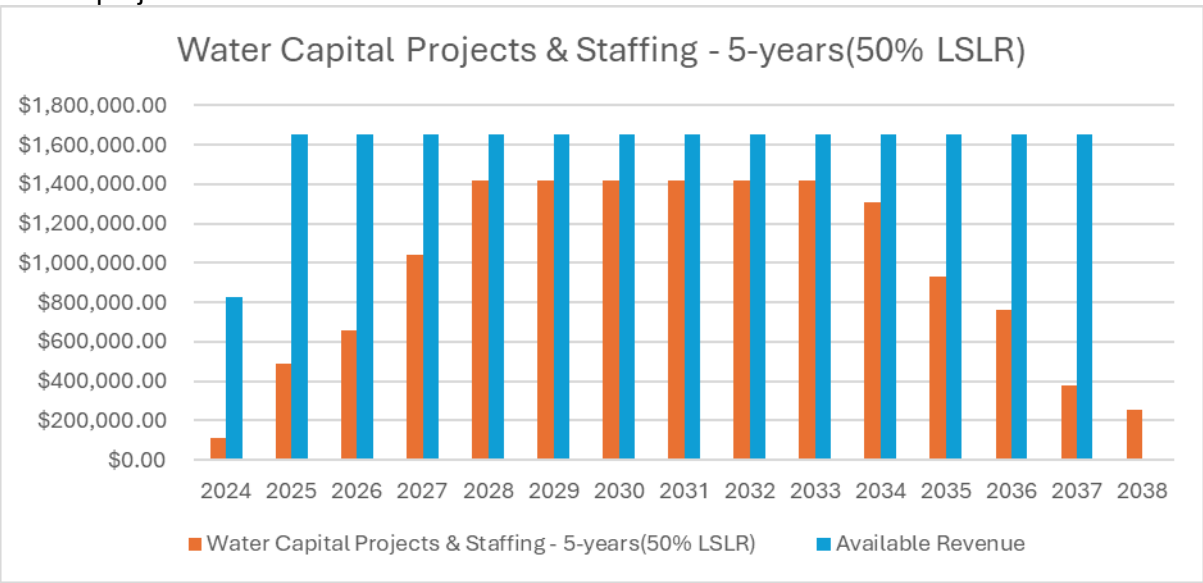
3. Debt impact on the water utility if the full estimated loan amount for LSL Replacement was 100% funded through water rates (5-year project with 10-year payback), adding staffing over the next 3-years and the proposed 5-year capital Plan for other projects.



4. Debt impact on the water utility with NO LSL Replacement debt on the water rates and only including adding staffing over the next 3-years and the proposed 5-year capital Plan for other projects.



5. Debt impact on the water utility with 50% LSL Replacement debt on the water rates, adding staffing over the next 3-years and the proposed 5-year capital Plan for other projects.



WAUSAU WATER WORKS - DRINKING WATER DIVISION 4/20/2023
CAPITAL PLAN - CAPITAL ASSETS 2024-2029

IMPROVEMENTS/PROJECTS	COST EST 2024-2029	FUND SOURCE	2024	2025	2026	2027	2028	2029	Comments
WATER TREATMENT PLANT									
SOLAR ARRAY	1,778,380	OTHER		1,778,380					Other Funding (ARPA...)
SUBTOTAL	$0		$0	$1,778,380	$0	$0	$0	$0	
TOWERS/ RESERVOIRS/ BOOSTER STATIONS									
GENERATOR - ONSITE (W. WAUSAU)	0						0	0	ARPA In 2023
SCADA UPGRADES - BOOSTER STNS	360,000	BORROW		360,000					
Elm Booster Station Reconstruction	560,000	BORROW		60,000		500,000			
MONROE BOOSTER STATION RECONSTRUCTION	560,000	BORROW	60,000		500,000				
SUBTOTAL	$1,480,000		$60,000	$420,000	$500,000	$500,000	$0	$0	
WELLS									
FUTURE WELL	650,000	BORROW					0	650,000	
	0								
SUBTOTAL	$650,000		$0	$0	$0	$0	$0	$650,000	
TOOLS, SHOP AND GARAGE									
BACKHOE/ WHEELED EXCAVATOR	$505,000	BORROW			180,000	325,000	0	0	
Valve Turner/ VAC	150,000	BORROW					150,000		
SUBTOTAL	$655,000		$0	$0	$180,000	$325,000	$150,000	$0	
DISTRIBUTION/SUPPLY MAINS									
STREET PROJECTS									
Emerson Street, EauClaire to Kent	20,000	BORROW	20,000						
Mount View Blvd., EauClaire to Kent	20,000	BORROW	20,000						
Pied Piper Lane, EC to Kent	40,000	BORROW	40,000						
Eau Claire BLVD	510,000	BORROW	510,000						
Short Street, N 1st St to N 3rd St	0								
Stewart Ave (1), 48th Ave-72nd Ave	0								
W. Randolph (Burek to Merrill)	982,300	BORROW		982,300					
Cherry Street, W Wausau Ave to Randolph St	752,400	BORROW		752,400					
Fulton Street (2), N 1st St to N 7th St	530,400	TID		530,400					
2nd St. / Dekalb	163,136	BORROW		163,136					
1st Street/River Drive (3), McIndoe St - 300' N of Fulton	89,000	TID		89,000					
Stark St (5th St- 12th St)	731,000	BORROW			731,000				
28th Ave (4), Westhill Dr to W Wausau Ave	0	TID			TBD				
N 8th Ave (5), Spruce St to Bridge St	350,000	TID			350,000				
West Wausau Ave (6), N 10th Ave to Stevens Drive	242,000	BORROW			242,000				
S. 11th Ave (W. Thomas to Flieth)	404,000	BORROW				404,000			
Ethel St, Grand Ave to Zimmerman St	791,000	BORROW				791,000			
N 9th Ave, Elm St to Bridge St	695,000	BORROW					695,000		
N 11th St, E Crocker to Sylvan St	264,000	BORROW					264,000		
3rd Ave, W Eldred St to Randolph St	160,000	BORROW					160,000		
W Eldred Street, N 3rd Ave to N 1st Ave	136,000	BORROW					136,000		
SUBTOTAL	$6,880,236		$590,000	$2,517,236	$1,323,000	$1,195,000	$1,255,000	$0	
GENERAL DISTRIBUTION PROJECTS									
LSL Replacements	15,300,000	GO/TID	$2,100,000	$3,300,000	$3,300,000	$3,300,000	$3,300,000		G.O./TID/Other Funded
Stewart Ave Looping-12"-60/68 Ave.	315,000	TID	315,000						TID Funded
Looping main Stettin Dr. Stewart to the Park	160,000	BORROW			160,000				
Looping Main Stettin Drive, 48th Ave to 52nd Ave	260,000	BORROW				260,000	0	0	
14" WM Replace (Elm St; 14th- 17th Ave & 17th Ave; Elm St to HWY)	450,000	TID	450,000						TID Funded
LSL Replacements (Public Side)	0	BORROW							
14" WM Extension Bugbee & Campus	0	BORROW							
Misc Extensions	0	BORROW							
SUBTOTAL	$16,485,000		$2,865,000	$3,300,000	$3,460,000	$3,560,000	$3,300,000	$0	
TOTAL CAPITAL	**$26,150,236**		**$1,415,000**	**$4,096,216**	**$1,813,000**	**$2,280,000**	**$1,405,000**	**$650,000**	
CUMULITIVE CAPITAL			$1,415,000	$5,511,216	$7,324,216	$9,604,216	$11,009,216	$11,659,216	

WATER CIP FUNDING

	2024	2025	2026	2027	2028	2029
OP FUNDS	$0	$1,158,980	-$350,000	$0	$0	$0
POSSIBLE ARPA or IIJA	$0	$0	$0	$0	$0	$0
ARPA	$0	$0	$0	$0	$0	$0
TID	$765,000	$619,400	$350,000	$0	$0	$0
BORROW	$650,000	$2,317,836	$1,813,000	$2,280,000	$1,405,000	$650,000
FUNDS TOTAL	$1,415,000	$4,096,216	$1,813,000	$2,280,000	$1,405,000	$650,000

WAUSAU WATER WORKS - WASTEWATER DIVISION
CAPITAL PLAN - CAPITAL ASSETS 2023-2029

IMPROVEMENTS/PROJECTS	COST EST 2023-2029	FUND SOURCE	2023	2024	2025	2026	2027	2028	2029	Comments
WWTF IMPROVEMENTS:										
Headworks upgrade:	1,375,167	BORROW		1,375,167						$1,375,167 (Loan) and $3,208,723 (Grant) and **$800,00 (ARPA in 2024)**
Cellular/Wifi Amplification throughout WWTP:	300,000	BORROW			300,000					Moved from 2023 to 2025. RFP is needed for this project
Sludge Barn floor replacement:	-									No longer needed, Barn floor replaced with asphalt in 2022
ACS System for Dryer Condenser & Stairs	141,000	BORROW				141,000				Automatic Cleaning System to clean dryer condenser along w/ staircase to access top of condenser
Str. 770 loadout staircase & catwalk	80,000	BORROW			80,000					Elevated catwalk w/ staircase to service loadout motors
Str. 115 Cold Storage Garage full remodel	100,000	BORROW							100,000	Full Exterior remodel of cold storage building on Adrian St.
SUBTOTAL	1,996,167		-	1,375,167	380,000	141,000	-	-	100,000	
SEWER LIFT STATIONS										Set of 4 Lift Sttns per study. Report, design & preconst mtgs.
Lift Station Engineering Report & Design:	400,000	BORROW		150,000		250,000				2024: Add $150K for Eng. to relocate of Crocker L/S.
Airport Lift Station upgrade:	700,000	BIL			700,000					Possible BIL Funding
Greenwood Hills & Northwestern LS upgrades:	921,526	BORROW	400,000	521,525.92						2024: Add $521,525.92 for a total project cost= $921,525.92
Cherry & Crocker St. lift station upgrades:	1,700,000	BIL		1,700,000						Possible BIL or WDNR CWF Funding
24th & 44th Ave LS Upgrades	1,100,000	BIL					1,100,000			Possible BIL Funding
Industrial Park LS Parallel Force Main	800,000	BORROW						800,000		07/26/22 Moved 2027 to 2028, inspect condition of existing FM
32nd Ave lift station upgrade:	600,000	BIL				600,000				Possible BIL Funding
All Lift Station Communications Radio upgrade	165,000	BORROW				165,000				Energenecs to replace communications radio's at all lift stations
SUBTOTAL	6,386,526		400,000	2,371,526	700,000	1,015,000	1,100,000	800,000		5,586,526
TRANSPORTATION/EQUIPMENT										
Dump truck or Sludge Hauling Eqpt.	240,000	BORROW			120,000		120,000			Keep until Class A sludge destination is known
TV truck, lateral launch/Software & Trimble GPS	550,000	BORROW		550,000						Ordered 2024; Total cost= $550,000. includes first year of service pkg.
Bobcat toolcat or Skidsteer w/attachments	120,000	BORROW				120,000				
SUBTOTAL	910,000		-	550,000	120,000	120,000	120,000	-	-	
COLLECTION INFRASTRUCTURE										
Street Projects										
Pied Piper Lane, EC to Kent	30,000	BORROW		30,000						
Eau Claire BLVD	280,000	ARPA or IIJA		280,000						12/28/21 IIJA GRANT?
North 10th Ave (Oak St. to West Wausau Ave.)	320,000	ARPA	320,000							ARPA Funded
Grant St (6th St to 7th St)	85,000	ARPA	85,000							ARPA Funded
Stark St. (5th St- 12th St)	800,000	BORROW				800,000				Moved from 2025 to 2026
Hennrietta St (Bellis St - 13th St)	200,000	ARPA	200,000							ARPA Funded
Fulton Street (1): (N.1st St to N. 7th St)	371,030	TID 3			371,030					2025 Project: TJ est.=$337,300, 10% contigency added
North 17th Ave, Stewart Ave to Elm St.	200,000	TID	200,000							TID Funded
Cherry St. (W. Wausau Ave.-Randolph St.)	854,700	BORROW			854,700					2025 Project. TJ est.=$777K, 10% contigency added
West Randoph St. (Burek - Merrill)	712,030	BORROW			712,030					2025 Project. TJ est.=$647,300, 10% contigency added
1st St/River Drive(2): McIndoe St.- 300ft N. of Fulton)	37,455	BORROW			37,455					2025 Project. TJ est.=$34,050, 10% contigency added
2nd Street / Dekalb	221,293	BORROW			221,293					2025 Project. TJ est.=$201,175, 10% contigency added
28th Ave.(3): Westhill Drive-W. Wausau Ave.)	-									2026 Project. TJ to provide sewer cost
N. 8th Ave (4): (Spruce St.-Bridge St.)	-									2026? Project funding & TID. TJ to provide sewer cost
West Wausau Ave: (N.10th Ave - Stevens Drive	-									2026 Project. TJ to provide sewer cost
S. 11th Ave. (W. Thomas - Flieth)	-									2027 Project. TJ to provide sewer cost
Ethel St. (Grand Ave. - Zimmerman St.)	-									2027 Project. TJ to provide sewer cost
N. 9th Ave. (Elm St. - Bridge St.)	-									2028 Project. TJ to provide sewer cost
N. 11th St. (E. Crocker - Sylvan St.)	-									2028 Project. TJ to provide sewer cost
3rd Ave. (W. Eldred St. - Randolph St.)	-									2028 Project. TJ to provide sewer cost
W. Eldred St. (N. 3rd Ave. - N. 1st Ave.)	-									2028 Project. TJ to provide sewer cost
Brown St. (5th St. - 13th St.)	-									2029 Project. TJ to provide sewer cost
Forest St. (Bellis St. - 12th St.)	-									2029 Project. TJ to provide sewer cost
12th St. (Forest St. - Jackson St.)	-									2029 Project. TJ to provide sewer cost
Garfield Ave. (Marathon Park - 3rd Ave.)	-									2029 Project. TJ to provide sewer cost
SUBTOTAL	4,111,508		805,000	310,000	2,196,508	800,000	-	-	-	
Proposed Developments/Extensions										
Northwestern Avenue (Higgenbotham)	120,000	BORROW				120,000				05/17/21 Moved from 2022 to 2026
SUBTOTAL	120,000		-	-	-	120,000	-	-	-	
Sewer Collection System Projects										
Stewart Ave Force Main & Sewer Improvement	1,700,000	TID	200,000	1,500,000						TID Funded
River Crossing (Washington St Siphon)	-	BORROW								
Unanticipated Sewer Projects	1,050,000	BORROW	150,000	150,000	150,000	150,000	150,000	150,000	150,000	
SUBTOTAL	**2,750,000**		**350,000**	**1,650,000**	**150,000**	**150,000**	**150,000**	**150,000**	**150,000**	
TOTAL PLANNED CAPITAL	**16,274,201**		$1,555,000	$6,256,693	$3,546,508	$2,346,000	$1,370,000	$950,000	$250,000	
TOTAL CAPITAL BORROWING:			$550,000	$4,756,693	$2,475,478	$1,746,000	$270,000	$950,000	$250,000	TID & ARPA funded projects deducted from Total Planned Capital, not IIJA Grant projects
CUMULITIVE CAPITAL			$1,005,000	$1,500,000	$1,071,030	$600,000	$1,100,000	$0	$0	

SEWER CIP FUNDING

	2023	2024	2025	2026	2027	2028	2029
OP FUNDS	$0	$0	$371,030	$0	$0	$0	$0
POSSIBLE ARPA or IIJA	$0	$280,000	$0	$0	$0	$0	$0
ARPA	$605,000	$0	$0	$0	$0	$0	$0
TID	$400,000	$1,500,000	$0	$0	$0	$0	$0
POSSIBLE BIL	$0	$1,700,000	$700,000	$600,000	$1,100,000	$0	$0
BORROW	$550,000	$2,776,693	$2,475,478	$1,746,000	$270,000	$950,000	$250,000
PROJ TOTAL	$1,555,000	$6,256,693	$3,546,508	$2,346,000	$1,370,000	$950,000	$250,000

WAUSAU WATER WORKS
FOR YOU!

TO: Wausau Waterworks Commissioners

FROM: Ben Brooks
Wastewater Operations Superintendent

DATE: June 4, 2024

SUBJECT: 2023 CMAR

Wisconsin Administrative Code, Chapter NR 208, is more commonly known as the Compliance Maintenance Annual Report (CMAR) rule for publicly and privately owned domestic wastewater treatment works. The CMAR is a self-evaluation tool that promotes the owner's awareness and responsibility for wastewater collection and treatment needs, measures the performance of a wastewater treatment works during a calendar year, and assesses its level of compliance with permit requirements.

CMAR requirements have been in existence since 1987.

The Wausau Waterworks Wastewater Treatment Facility received a grade point average of 4.0 for the 2023 calendar year. This astounding GPA means that the plant is being operated well and meeting all WPDES requirements.

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: 5/21/2024 Reporting For: **2023**

Influent Flow and Loading

1. Monthly Average Flows and BOD Loadings

1.1 Verify the following monthly flows and BOD loadings to your facility.

Influent No. 701	Influent Monthly Average Flow, MGD	x	Influent Monthly Average BOD Concentration mg/L	x	8.34	=	Influent Monthly Average BOD Loading, lbs/day
January	2.4369	x	260	x	8.34	=	5,292
February	2.4539	x	228	x	8.34	=	4,671
March	2.7428	x	226	x	8.34	=	5,164
April	4.7445	x	133	x	8.34	=	5,266
May	5.3728	x	169	x	8.34	=	7,582
June	4.4010	x	198	x	8.34	=	7,259
July	4.1799	x	189	x	8.34	=	6,598
August	4.1701	x	233	x	8.34	=	8,088
September	3.9361	x	245	x	8.34	=	8,034
October	4.4079	x	201	x	8.34	=	7,372
November	3.9771	x	191	x	8.34	=	6,320
December	3.6638	x	235	x	8.34	=	7,176

2. Maximum Monthly Design Flow and Design BOD Loading

2.1 Verify the design flow and loading for your facility.

Design	Design Factor	x	%	=	% of Design
Max Month Design Flow, MGD	8.2	x	90	=	7.38
		x	100	=	8.2
Design BOD, lbs/day	17000	x	90	=	15300
		x	100	=	17000

2.2 Verify the number of times the flow and BOD exceeded 90% or 100% of design, points earned, and score:

	Months of Influent	Number of times flow was greater than 90% of	Number of times flow was greater than 100% of	Number of times BOD was greater than 90% of design	Number of times BOD was greater than 100% of design
January	1	0	0	0	0
February	1	0	0	0	0
March	1	0	0	0	0
April	1	0	0	0	0
May	1	0	0	0	0
June	1	0	0	0	0
July	1	0	0	0	0
August	1	0	0	0	0
September	1	0	0	0	0
October	1	0	0	0	0
November	1	0	0	0	0
December	1	0	0	0	0
Points per each		2	1	3	2
Exceedances		0	0	0	0
Points		0	0	0	0
Total Number of Points					**0**

0

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: 5/21/2024 Reporting For: **2023**

3. Flow Meter

3.1 Was the influent flow meter calibrated in the last year?

● Yes Enter last calibration date (MM/DD/YYYY) 2023-09-20

○ No

If No, please explain:

4. Sewer Use Ordinance

4.1 Did your community have a sewer use ordinance that limited or prohibited the discharge of excessive conventional pollutants ((C)BOD, SS, or pH) or toxic substances to the sewer from industries, commercial users, hauled waste, or residences?

● Yes

○ No

If No, please explain:

4.2 Was it necessary to enforce the ordinance?

○ Yes

● No

If Yes, please explain:

5. Septage Receiving

5.1 Did you have requests to receive septage at your facility?

Septic Tanks	Holding Tanks	Grease Traps
● Yes	● Yes	● Yes
○ No	○ No	○ No

5.2 Did you receive septage at your facility? If yes, indicate volume in gallons.

Septic Tanks

● Yes 202,500 gallons

○ No

Holding Tanks

● Yes 8,228,885 gallons

○ No

Grease Traps

● Yes 446,265 gallons

○ No

5.2.1 If yes to any of the above, please explain if plant performance is affected when receiving any of these wastes.

Grease Trap Waste creates clogging issues, but we are able to maintain clogs.

6. Pretreatment

6.1 Did your facility experience operational problems, permit violations, biosolids quality concerns, or hazardous situations in the sewer system or treatment plant that were attributable to commercial or industrial discharges in the last year?

○ Yes

● No

If yes, describe the situation and your community's response.

6.2 Did your facility accept hauled industrial wastes, landfill leachate, etc.?

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: 5/21/2024

Reporting For: **2023**

○ Yes

● No

If yes, describe the types of wastes received and any procedures or other restrictions that were in place to protect the facility from the discharge of hauled industrial wastes.

No leachate received in 2023

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: 5/21/2024 Reporting For: **2023**

Effluent Quality and Plant Performance (BOD/CBOD)

1. Effluent (C)BOD Results

1.1 Verify the following monthly average effluent values, exceedances, and points for BOD or CBOD

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit > 10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	30	27	5	1	0	0
February	30	27	4	1	0	0
March	30	27	3	1	0	0
April	30	27	2	1	0	0
May	30	27	2	1	0	0
June	30	27	4	1	0	0
July	30	27	6	1	0	0
August	30	27	5	1	0	0
September	30	27	3	1	0	0
October	30	27	1	1	0	0
November	30	27	0	1	0	0
December	30	27	2	1	0	0
* Equals limit if limit is <= 10						
Months of discharge/yr				12		
Points per each exceedance with 12 months of discharge					7	3
Exceedances					0	0
Points					0	0
Total number of points						**0**

0

NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge. Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is 12/6 = 2.0

1.2 If any violations occurred, what action was taken to regain compliance?

No violations to report in 2023.

2. Flow Meter Calibration

2.1 Was the effluent flow meter calibrated in the last year?

● Yes Enter last calibration date (MM/DD/YYYY)

2023-09-21

○ No

If No, please explain:

3. Treatment Problems

3.1 What problems, if any, were experienced over the last year that threatened treatment?

No problems that threatened treatment in 2023.

4. Other Monitoring and Limits

4.1 At any time in the past year was there an exceedance of a permit limit for any other pollutants such as chlorides, pH, residual chlorine, fecal coliform, or metals?

○ Yes

● No

If Yes, please explain:

4.2 At any time in the past year was there a failure of an effluent acute or chronic whole effluent toxicity (WET) test?

- ○ Yes
- ● No

If Yes, please explain:

4.3 If the biomonitoring (WET) test did not pass, were steps taken to identify and/or reduce source(s) of toxicity?

- ○ Yes
- ○ No
- ● N/A

Please explain unless not applicable:

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: 5/21/2024 Reporting For: **2023**

Effluent Quality and Plant Performance (Total Suspended Solids)

1. Effluent Total Suspended Solids Results

1.1 Verify the following monthly average effluent values, exceedances, and points for TSS:

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit >10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	30	27	6	1	0	0
February	30	27	5	1	0	0
March	30	27	3	1	0	0
April	30	27	2	1	0	0
May	30	27	5	1	0	0
June	30	27	6	1	0	0
July	30	27	7	1	0	0
August	30	27	7	1	0	0
September	30	27	8	1	0	0
October	30	27	6	1	0	0
November	30	27	5	1	0	0
December	30	27	4	1	0	0
* Equals limit if limit is <= 10						
Months of Discharge/yr				12		
Points per each exceedance with 12 months of discharge:					**7**	**3**
Exceedances					0	0
Points					0	0
Total Number of Points						**0**

0

NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge.

Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is 12/6 = 2.0

1.2 If any violations occurred, what action was taken to regain compliance?

No violation occurred in 2023.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: 5/21/2024

Reporting For: **2023**

Effluent Quality and Plant Performance (Phosphorus)

1. Effluent Phosphorus Results

1.1 Verify the following monthly average effluent values, exceedances, and points for Phosphorus

Outfall No. 001	Monthly Average phosphorus Limit (mg/L)	Effluent Monthly Average phosphorus (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance
January	1	0.151	1	0
February	1	0.152	1	0
March	1	0.082	1	0
April	1	0.134	1	0
May	1	0.267	1	0
June	1	0.298	1	0
July	1	0.349	1	0
August	1	0.362	1	0
September	1	0.776	1	0
October	1	0.543	1	0
November	1	0.426	1	0
December	1	0.251	1	0
Months of Discharge/yr			12	
Points per each exceedance with 12 months of discharge:				**10**
Exceedances				0
Total Number of Points				**0**

0

NOTE: For systems that discharge intermittently to waters of the state, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge.

Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is 12/6 = 2.0

1.2 If any violations occurred, what action was taken to regain compliance?

No violations occurred in 2023.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

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Wausau Water Works Ww Treatment Facility

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Biosolids Quality and Management

1. Biosolids Use/Disposal

1.1 How did you use or dispose of your biosolids? (Check all that apply)

- ☒ Land applied under your permit
- ☐ Publicly Distributed Exceptional Quality Biosolids
- ☐ Hauled to another permitted facility
- ☐ Landfilled
- ☐ Incinerated
- ☐ Other

NOTE: If you did not remove biosolids from your system, please describe your system type such as lagoons, reed beds, recirculating sand filters, etc.

1.1.1 If you checked Other, please describe:

2. Land Application Site

2.1 Last Year's Approved and Active Land Application Sites

2.1.1 How many acres did you have?

4318.5 acres

2.1.2 How many acres did you use?

329.5 acres

2.2 If you did not have enough acres for your land application needs, what action was taken?

2.3 Did you overapply nitrogen on any of your approved land application sites you used last year? **0**

- ○ Yes (30 points)
- ● No

2.4 Have all the sites you used last year for land application been soil tested in the previous 4 years?

- ● Yes
- ○ No (10 points)
- ○ N/A

3. Biosolids Metals

Number of biosolids outfalls in your WPDES permit:

3.1 For each outfall tested, verify the biosolids metal quality values for your facility during the last calendar year.

Outfall No. 002 - CLASS B CAKE SLUDGE

Parameter	80% of Limit	H.Q. Limit	Ceiling Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80% Value	High Quality	Ceiling
Arsenic		41	75			<4.61			6.77			4.41		6.94			0	0
Cadmium		39	85			1.13			<2.21			1.76		<3.63			0	0
Copper		1500	4300			633			611			552		616			0	0
Lead		300	840			15			<30			22		<49			0	0
Mercury		17	57			.304			.248			.218		.438			0	0
Molybdenum	60		75			18			<.407			19		38		0		0
Nickel	336		420			24			19			29		49		0		0
Selenium	80		100			5.82			4.01			3.21		4.33		0		0
Zinc		2800	7500			413			587			579		647			0	0

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Outfall No. 010 - CLASS B LIQUID SLUDGE

Parameter	80% of Limit	H.Q. Limit	Ceiling Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80% Value	High Quality	Ceiling
Arsenic		41	75	<33		<53			<9.5			<86		<105			0	0
Cadmium		39	85	2.15		<1.15			<1.77			<2		<2.47			0	0
Copper		1500	4300	826		632			466			513		520			0	0
Lead		300	840	21		<13			<24			<28		<34			0	0
Mercury		17	57	<1.65		<2.3			<1.01			<1.58		1.9			0	0
Molybdenum	60		75	31		16			19			<22		<27		0		0
Nickel	336		420	34		24			38			<7.58		<9.24		0		0
Selenium	80		100	<29		<76			<43			<152		<92		0		0
Zinc		2800	7500	531		489			483			737		560			0	0

3.1.1 Number of times any of the metals exceeded the high quality limits OR 80% of the limit for molybdenum, nickel, or selenium = 0

Exceedence Points

- ● 0 (0 Points)
- ○ 1-2 (10 Points)
- ○ > 2 (15 Points)

3.1.2 If you exceeded the high quality limits, did you cumulatively track the metals loading at each land application site? (check applicable box)

- ○ Yes
- ○ No (10 points)
- ● N/A - Did not exceed limits or no HQ limit applies (0 points)
- ○ N/A - Did not land apply biosolids until limit was met (0 points)

3.1.3 Number of times any of the metals exceeded the ceiling limits = 0

Exceedence Points

- ● 0 (0 Points)
- ○ 1 (10 Points)
- ○ > 1 (15 Points)

3.1.4 Were biosolids land applied which exceeded the ceiling limit?

- ○ Yes (20 Points)
- ● No (0 Points)

3.1.5 If any metal limit (high quality or ceiling) was exceeded at any time, what action was taken? Has the source of the metals been identified?

0

4. Pathogen Control (per outfall):

4.1 Verify the following information. If any information is incorrect, use the Report Issue button under the Options header in the left-side menu.

Outfall Number:	**002**
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2023 - 03/31/2023
Density:	1
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	No
Process:	Anaerobic Digestion
Process Description:	Primary and Secondary Anaerobic digestion

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Outfall Number:	**002**
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	04/01/2023 - 06/30/2023
Density:	10
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Primary and Secondary Anaerobic Digestion

Outfall Number:	**002**
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	10/01/2023 - 12/31/2023
Density:	15
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Primary and Secondary Anaerobic Sludge

Outfall Number:	**010**
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	07/01/2023 - 09/30/2023
Density:	23
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Primary and Secondary Anaerobic digestion

0

4.2 If exceeded Class B limit or did not meet the process criteria at the time of land application.

4.2.1 Was the limit exceeded or the process criteria not met at the time of land application?

○ Yes (40 Points)

● No

If yes, what action was taken?

5. Vector Attraction Reduction (per outfall):

5.1 Verify the following information. If any of the information is incorrect, use the Report Issue button under the Options header in the left-side menu.

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Outfall Number:	**002**
Method Date:	03/07/2023
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	No
Limit (if applicable):	>=38
Results (if applicable):	60.7

Outfall Number:	**002**
Method Date:	06/08/2023
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>=38
Results (if applicable):	56.7

Outfall Number:	**002**
Method Date:	09/19/2023
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>=38
Results (if applicable):	48.1

Outfall Number:	**002**
Method Date:	11/21/2023
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>=38
Results (if applicable):	56.4

Outfall Number:	**010**
Method Date:	03/07/2023
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	No
Limit (if applicable):	>=38
Results (if applicable):	59.2

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Outfall Number:	**010**
Method Date:	06/08/2023
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>=38
Results (if applicable):	54.9

Outfall Number:	**010**
Method Date:	09/19/2023
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>=38
Results (if applicable):	44.3

Outfall Number:	**010**
Method Date:	11/21/2023
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>=38
Results (if applicable):	42.8

0

5.2 Was the limit exceeded or the process criteria not met at the time of land application?

- ○ Yes (40 Points)
- ● No

If yes, what action was taken?

6. Biosolids Storage

6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site?

- ● >= 180 days (0 Points)
- ○ 150 - 179 days (10 Points)
- ○ 120 - 149 days (20 Points)
- ○ 90 - 119 days (30 Points)
- ○ < 90 days (40 Points)
- ○ N/A (0 Points)

0

6.2 If you checked N/A above, explain why.

7. Issues

7.1 Describe any outstanding biosolids issues with treatment, use or overall management:

No issues to report and anxiously awaiting final approval for Class A, exceptional quality biosolids status from DNR.

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Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

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Wausau Water Works Ww Treatment Facility

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Staffing and Preventative Maintenance (All Treatment Plants)

1. Plant Staffing

1.1 Was your wastewater treatment plant adequately staffed last year?

- ○ Yes
- ● No

If No, please explain:

Staffing shortage continued in 2023 due to turnover, a retirement and an unexpected death. The lessening of job description requirements to meet the City Market Pay structure only created prolonged training hours of new staff and increased work load on existing employees. Utility Management is collaborating with City Officials to enhance the City pay structure that would meet or exceed state averages in hopes to attract qualified WDNR certified candidates and retain existing employees.

Could use more help/staff for:

One additional staff is needed to maintain collection system efficiently and to be proactive with maintenance on equipment and collection system itself. Two additional staff are needed to help efficiently maintain the Wastewater Treatment Plant as well as its 26 lift stations.

1.2 Did your wastewater staff have adequate time to properly operate and maintain the plant and fulfill all wastewater management tasks including recordkeeping?

- ○ Yes
- ● No

If No, please explain:

Management tasks have been completed on time, but these tasks often have been completed outside of normal business hours, scheduled time off, and or weekends.

2. Preventative Maintenance

2.1 Did your plant have a documented AND implemented plan for preventative maintenance on major equipment items?

- ● Yes (Continue with question 2) ☐☐
- ○ No (40 points)☐☐

If No, please explain, then go to question 3:

2.2 Did this preventative maintenance program depict frequency of intervals, types of lubrication, and other tasks necessary for each piece of equipment?

- ● Yes
- ○ No (10 points)

2.3 Were these preventative maintenance tasks, as well as major equipment repairs, recorded and filed so future maintenance problems can be assessed properly?

- ● Yes
  - ○ Paper file system
  - ○ Computer system
  - ● Both paper and computer system
- ○ No (10 points)

0

3. O&M Manual

3.1 Does your plant have a detailed O&M and Manufacturer Equipment Manuals that can be used as a reference when needed?

- ● Yes
- ○ No

4. Overall Maintenance /Repairs

4.1 Rate the overall maintenance of your wastewater plant.

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- ○ Excellent
- ○ Very good
- ● Good
- ○ Fair
- ○ Poor

Describe your rating:

Through prioritization staff are able to accomplish maintenance tasks that are considered high risk tasks and when time allows staff perform daily maintenance tasks. A work order software program is needed to operate more efficiently with these tasks along with an asset management program. The City is currently reviewing asset management software programs to explore options.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

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Operator Certification and Education

1. Operator-In-Charge

1.1 Did you have a designated operator-in-charge during the report year?

- ● Yes (0 points)
- ○ No (20 points)

Name: BEN R BROOKS

Certification No: 28418

0

2. Certification Requirements

2.1 In accordance with Chapter NR 114.56 and 114.57, Wisconsin Administrative Code, what level and subclass(es) were required for the operator-in-charge (OIC) to operate the wastewater treatment plant and what level and subclass(es) were held by the operator-in-charge?

Sub Class	SubClass Description	WWTP	OIC		
		Advanced	OIT	Basic	Advanced
A1	Suspended Growth Processes	X			X
A2	Attached Growth Processes				
A3	Recirculating Media Filters				
A4	Ponds, Lagoons and Natural				
A5	Anaerobic Treatment Of Liquid				
B	Solids Separation	X			X
C	Biological Solids/Sludges	X			X
P	Total Phosphorus	X			X
N	Total Nitrogen				
D	Disinfection	X			X
L	Laboratory	X			X
U	Unique Treatment Systems				
SS	Sanitary Sewage Collection	X	NA	NA	NA

2.2 Was the operator-in-charge certified at the appropriate level and subclass(es) to operate this plant? (Note: Certification in subclass SS is required 5 years after permit reissuance.)

- ● Yes (0 points)
- ○ No (20 points)

2.3 For wastewater treatment facilities with a registered or certified laboratory, is at least one operator that works in the laboratory certified at the basic level in the laboratory (L) subclass?

- ● Yes
- ○ No
- ○ N/A – Wastewater treatment facility does not have a registered or certified laboratory

2.4 For wastewater treatment facilities that own and operate a sanitary sewage collection system, has at least one operator been designated the OIC for sanitary sewage collection system and certified at the basic level in the sanitary sewage collection system (SS) subclass?

- ● Yes
- ○ No
- ○ N/A – Owner of the Wastewater treatment facility does not own and operate a sanitary sewage collection system

0

3. Succession Planning

3.1 In the event of the loss of your designated operator-in-charge, did you have a contingency plan to ensure the continued proper operation and maintenance of the plant that includes one or more of the following options (check all that apply)?

- ☒ One or more additional certified operators on staff

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☐ An arrangement with another certified operator ☐ An arrangement with another community with a certified operator ☐ An operator on staff who has an operator-in-training certificate for your plant and is expected to be certified within one year ☐ A consultant to serve as your certified operator ☐ None of the above (20 points) If "None of the above" is selected, please explain:	**0**
4. Continuing Education Credits 4.1 If you had a designated operator-in-charge, was the operator-in-charge earning Continuing Education Credits at the following rates? OIT and Basic Certification: ○ Averaging 6 or more CECs per year. ○ Averaging less than 6 CECs per year. Advanced Certification: ● Averaging 8 or more CECs per year. ○ Averaging less than 8 CECs per year.	

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

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Financial Management

1. Provider of Financial Information

Name: Monica Dvorak

Telephone: 715-261-6646 (XXX) XXX-XXXX

E-Mail Address (optional): monica.dvorak@ci.wausau.wi.us

2. Treatment Works Operating Revenues

2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?

- ● Yes (0 points) ☐☐
- ○ No (40 points)

If No, please explain:

2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?

Year: 2023

- ● 0-2 years ago (0 points) ☐☐
- ○ 3 or more years ago (20 points)☐☐
- ○ N/A (private facility)

2.3 Did you have a special account (e.g., CWFP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?

- ● Yes (0 points)
- ○ No (40 points)

0

REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]

3. Equipment Replacement Funds

3.1 When was the Equipment Replacement Fund last reviewed and/or revised?

Year: 2023

- ● 1-2 years ago (0 points)☐☐
- ○ 3 or more years ago (20 points)☐☐
- ○ N/A

If N/A, please explain:

3.2 Equipment Replacement Fund Activity

3.2.1 Ending Balance Reported on Last Year's CMAR		$ 2,356,962.70
3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)		$ 0.00
3.2.3 Adjusted January 1st Beginning Balance		$ 2,356,962.70
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	$ 273,978.38

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3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) - $ 0.00

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year $ 2,630,941.08

All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.

3.2.6.1 Indicate adjustments, equipment purchases, and/or major repairs from 3.2.5 above.

3.3 What amount should be in your Replacement Fund? $ 2,630,941.08 **0**

Please note: If you had a CWFP loan, this amount was originally based on the Financial Assistance Agreement (FAA) and should be regularly updated as needed. Further calculation instructions and an example can be found by clicking the SectionInstructions link under Info header in the left-side menu.

3.3.1 Is the December 31 Ending Balance in your Replacement Fund above, (#3.2.6) equal to, or greater than the amount that should be in it (#3.3)?

- ● Yes
- ○ No

If No, please explain.

4. Future Planning

4.1 During the next ten years, will you be involved in formal planning for upgrading, rehabilitating, or new construction of your treatment facility or collection system?

- ● Yes - If Yes, please provide major project information, if not already listed below.☐☐
- ○ No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	Northwestern and Greenwood Hills Lift Station upgrades	$921,000	2024
2	Sewer Sliplining (annual)	$425,000	2024
3	Cherry and Crocker St. Lift Station upgrades	$1,700,000	2025
4	Lift Station Forcemain Cleaning	$200,000	2025
5	Interceptor Line MH Reconstruction	$750,000	2021
6	Airport Lift Station upgrade	$700,000	2026
7	Plant Upgrade Project	$20,000,000	2020
8	Plant Upgrade Project	$30,000,000	2021
9	Plant Upgrade Project	$30,000,000	2022
10	48th Ave Sanitary Interceptor replacement	$500,000	2023

5. Financial Management General Comments

No comment

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

6.1.1 Enter the monthly energy usage from the different energy sources:

COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations: 26

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	35,190	119
February	30,577	97
March	35,465	114
April	32,557	79
May	40,408	66
June	26,171	87
July	18,691	81
August	18,532	110
September	18,286	128
October	23,113	94
November	32,001	171
December	27,241	230
Total	**338,232**	**1,376**
Average	**28,186**	**115**

6.1.2 Comments:

N/A

6.2 Energy Related Processes and Equipment

6.2.1 Indicate equipment and practices utilized at your pump/lift stations (Check all that apply):

- ☒ Comminution or Screening
- ☐ Extended Shaft Pumps
- ☒ Flow Metering and Recording
- ☐ Pneumatic Pumping
- ☒ SCADA System
- ☒ Self-Priming Pumps
- ☒ Submersible Pumps
- ☒ Variable Speed Drives
- ☐ Other:

6.2.2 Comments:

As Lift Station upgrades occur, efficiencies will increase

6.3 Has an Energy Study been performed for your pump/lift stations?

- ● No
- ○ Yes

Year:

By Whom:

Describe and Comment:

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6.4 Future Energy Related Equipment

6.4.1 What energy efficient equipment or practices do you have planned for the future for your pump/lift stations?

As lift station upgrades occur new efficient equipment will allow operations staff to run stations more efficiently. All high flow lift stations will be receive on site emergency generators during these upgrade projects.

7. Treatment Facility

7.1 Energy Usage

7.1.1 Enter the monthly energy usage from the different energy sources:

TREATMENT PLANT: Total Power Consumed/Month

	Electricity Consumed (kWh)	Total Influent Flow (MG)	Electricity Consumed/ Flow (kWh/MG)	Total Influent BOD (1000 lbs)	Electricity Consumed/ Total Influent BOD (kWh/1000lbs)	Natural Gas Consumed (therms)
January	340,200	75.54	4,504	164.05	2,074	49,147
February	283,200	68.71	4,122	130.79	2,165	37,830
March	287,400	85.03	3,380	160.08	1,795	38,403
April	296,400	142.34	2,082	157.98	1,876	31,184
May	381,000	166.56	2,287	235.04	1,621	29,247
June	353,400	132.03	2,677	217.77	1,623	16,017
July	311,400	129.58	2,403	204.54	1,522	18,849
August	307,800	129.27	2,381	250.73	1,228	524
September	314,400	118.08	2,663	241.02	1,304	11,871
October	314,373	136.64	2,301	228.53	1,376	27,563
November	329,732	119.31	2,764	189.60	1,739	38,096
December	286,800	113.58	2,525	222.46	1,289	31,408
Total	**3,806,105**	**1,416.67**		**2,402.59**		**330,139**
Average	**317,175**	**118.06**	**2,841**	**200.22**	**1,634**	**27,512**

7.1.2 Comments:

N/A

7.2 Energy Related Processes and Equipment

7.2.1 Indicate equipment and practices utilized at your treatment facility (Check all that apply):

- ☐ Aerobic Digestion
- ☒ Anaerobic Digestion
- ☒ Biological Phosphorus Removal
- ☐ Coarse Bubble Diffusers
- ☒ Dissolved O2 Monitoring and Aeration Control
- ☒ Effluent Pumping
- ☒ Fine Bubble Diffusers
- ☒ Influent Pumping
- ☒ Mechanical Sludge Processing
- ☒ Nitrification
- ☒ SCADA System
- ☒ UV Disinfection

☒ Variable Speed Drives
☐ Other:

7.2.2 Comments:
N/A

7.3 Future Energy Related Equipment

7.3.1 What energy efficient equipment or practices do you have planned for the future for your treatment facility?
Headworks screening , compactor and lighting upgrade project

8. Biogas Generation

8.1 Do you generate/produce biogas at your facility?
○ No
● Yes
If Yes, how is the biogas used (Check all that apply):
☒ Flared Off
☒ Building Heat
☒ Process Heat
☒ Generate Electricity
☐ Other:

9. Energy Efficiency Study

9.1 Has an Energy Study been performed for your treatment facility?
● No
○ Yes
☐ Entire facility
Year:
By Whom:
Describe and Comment:
☐ Part of the facility
Year:
By Whom:
Describe and Comment:

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Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

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Sanitary Sewer Collection Systems

1. Capacity, Management, Operation, and Maintenance (CMOM) Program

1.1 Do you have a CMOM program that is being implemented?

- ● Yes
- ○ No

If No, explain:

1.2 Do you have a CMOM program that contains all the applicable components and items according to Wisc. Adm Code NR 210.23 (4)?

- ● Yes
- ○ No (30 points)
- ○ N/A

If No or N/A, explain:

1.3 Does your CMOM program contain the following components and items? (check the components and items that apply)

☒ Goals [NR 210.23 (4)(a)]

Describe the major goals you had for your collection system last year:

Manhole rehabilitation, Slip lining, pigging and cleaning projects. Maintaining the entire Collection System to avoid sewer backups or any SSO events.

Did you accomplish them?

- ● Yes
- ○ No

If No, explain:

☒ Organization [NR 210.23 (4) (b)]☐☐

Does this chapter of your CMOM include:

- ☒ Organizational structure and positions (eg. organizational chart and position descriptions)
- ☒ Internal and external lines of communication responsibilities
- ☒ Person(s) responsible for reporting overflow events to the department and the public

☒ Legal Authority [NR 210.23 (4) (c)]

What is the legally binding document that regulates the use of your sewer system?

Wausau Municipal Code, Ch 13

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2006-06-09

Does your sewer use ordinance or other legally binding document address the following:

- ☒ Private property inflow and infiltration
- ☒ New sewer and building sewer design, construction, installation, testing and inspection
- ☒ Rehabilitated sewer and lift station installation, testing and inspection
- ☐ Sewage flows satellite system and large private users are monitored and controlled, as necessary
- ☒ Fat, oil and grease control
- ☒ Enforcement procedures for sewer use non-compliance

☒ Operation and Maintenance [NR 210.23 (4) (d)]

Does your operation and maintenance program and equipment include the following:

- ☒ Equipment and replacement part inventories
- ☒ Up-to-date sewer system map

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☒A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation
☒ A description of routine operation and maintenance activities (see question 2 below)
☐ Capacity assessment program
☒ Basement back assessment and correction
☒ Regular O&M training

☒ Design and Performance Provisions [NR 210.23 (4) (e)]☐☐

What standards and procedures are established for the design, construction, and inspection of the sewer collection system, including building sewers and interceptor sewers on private property?

☒ State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements
☒ Construction, Inspection, and Testing
☐ Others:

☒ Overflow Emergency Response Plan [NR 210.23 (4) (f)]☐☐

Does your emergency response capability include:

☒ Responsible personnel communication procedures
☒ Response order, timing and clean-up
☒ Public notification protocols
☒ Training
☒ Emergency operation protocols and implementation procedures

☒ Annual Self-Auditing of your CMOM Program [NR 210.23 (5)]☐☐

☒ Special Studies Last Year (check only those that apply):

☐ Infiltration/Inflow (I/I) Analysis
☐ Sewer System Evaluation Survey (SSES)
☐ Sewer Evaluation and Capacity Managment Plan (SECAP)
☒ Lift Station Evaluation Report
☐ Others:

0

2. Operation and Maintenance

2.1 Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained.

Cleaning	58.8	% of system/year
Root removal	5.8	% of system/year
Flow monitoring	0	% of system/year
Smoke testing	0	% of system/year
Sewer line televising	14.9	% of system/year
Manhole inspections	15.7	% of system/year
Lift station O&M	26	# per L.S./year
Manhole rehabilitation	1	% of manholes rehabbed
Mainline rehabilitation	0.72	% of sewer lines rehabbed
Private sewer inspections	0	% of system/year

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Private sewer I/I removal	0	% of private services
River or water crossings	9.2	% of pipe crossings evaluated or maintained

Please include additional comments about your sanitary sewer collection system below:

3. Performance Indicators

3.1 Provide the following collection system and flow information for the past year.

33.03	Total actual amount of precipitation last year in inches
33.91	Annual average precipitation (for your location)
232.28	Miles of sanitary sewer
26	Number of lift stations
0	Number of lift station failures
3	Number of sewer pipe failures
2	Number of basement backup occurrences
53	Number of complaints
3.6239	Average daily flow in MGD (if available)
7.18	Peak monthly flow in MGD (if available)
0.2992	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

0.00	Lift station failures (failures/year)
0.01	Sewer pipe failures (pipe failures/sewer mile/yr)
0.00	Sanitary sewer overflows (number/sewer mile/yr)
0.01	Basement backups (number/sewer mile)
0.23	Complaints (number/sewer mile)
2.0	Peaking factor ratio (Peak Monthly:Annual Daily Avg)
0.1	Peaking factor ratio (Peak Hourly:Annual Daily Avg)

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED **			
Date	Location	Cause	Estimated Volume
None reported			

** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected.

5. Infiltration / Inflow (I/I)

5.1 Was infiltration/inflow (I/I) significant in your community last year?

○ Yes

● No

If Yes, please describe:

5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year?

○ Yes

- No

If Yes, please describe:

5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:

Influent flows to WWTP do increase during significant rainfall, but do not effect treatment.

5.4 What is being done to address infiltration/inflow in your collection system?

Manhole inspections, and sewer televising to identify problematic areas throughout the collection system.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

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Grading Summary

WPDES No: 0025739

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Influent	A	4	3	12
BOD/CBOD	A	4	10	40
TSS	A	4	5	20
Phosphorus	A	4	3	12
Biosolids	A	4	5	20
Staffing/PM	A	4	1	4
OpCert	A	4	1	4
Financial	A	4	1	4
Collection	A	4	3	12
TOTALS			**32**	**128**
GRADE POINT AVERAGE (GPA) = 4.00				

Notes:
A = Voluntary Range (Response Optional)
B = Voluntary Range (Response Optional)
C = Recommendation Range (Response Required)
D = Action Range (Response Required)
F = Action Range (Response Required)

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Resolution or Owner's Statement

Name of Governing Body or Owner: City of Wausau

Date of Resolution or Action Taken: 2024-06-11

Resolution Number:

Date of Submittal:

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F):

Influent Flow and Loadings: Grade = A

Effluent Quality: BOD: Grade = A

Effluent Quality: TSS: Grade = A

Effluent Quality: Phosphorus: Grade = A

Biosolids Quality and Management: Grade = A

Staffing: Grade = A

Operator Certification: Grade = A

Financial Management: Grade = A

Collection Systems: Grade = A
(Regardless of grade, response required for Collection Systems if SSOs were reported)

No SSO's reported for 2023.

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS

(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)

G.P.A. = 4.00

CITY OF WAUSAU, 407 Grant Street, Wausau, WI 54403

RESOLUTION OF WAUSAU WATER WORKS – WASTEWATER DIVISION

Reviewing the 2023 Compliance Maintenance Annual Report for the Wastewater Plant

Committee Action: Approved 3-0

Fiscal Impact: There is no fiscal impact to the City.

File Number:	03-0311	**Date Introduced:**	June 11, 2024

FISCAL IMPACT SUMMARY				
COSTS	*Budget Neutral*	Yes☒ No☐		
	Included in Budget:	Yes☐ No☐	*Budget Source:*	
	One-time Costs:	Yes☐ No☐	*Amount:*	
	Recurring Costs:	Yes☐ No☐	*Amount:*	
SOURCE	*Fee Financed:*	Yes☐ No☐	*Amount:*	
	Grant Financed:	Yes☐ No☐	*Amount:*	
	Debt Financed:	Yes☐ No☐	*Amount*	*Annual Retirement*
	TID Financed:	Yes☐ No☐	*Amount:*	
	TID Source: Increment Revenue ☐ *Debt* ☐ *Funds on Hand* ☐ *Interfund Loan* ☐			

RESOLUTION

WHEREAS, Wausau Water Works – Wastewater Division owns, operates, and maintains a public owned treatment works (POTW) in the City of Wausau on Adrian Street, and

WHEREAS, the Utility's POTW is authorized to discharge to the Wisconsin River under WPDES Permit No. WI-0025739-09, and

WHEREAS, by Wisconsin Administrative Code NR 208, all Wisconsin POTW's are required to submit a Compliance Maintenance Annual Report (CMAR), and

WHEREAS, Wausau Water Works – Wastewater Division has prepared the attached 2023 CMAR and acknowledges the point total in the report, and

WHEREAS, the City of Wausau is committed to address the actions set forth in the attached 2023 CMAR; now therefore

BE IT RESOLVED that the Common Council of the City of Wausau has reviewed the attached 2023 Compliance Maintenance Annual Report from Wausau Water Works – Wastewater Division and hereby submits the Report as prescribed.

Approved:

_____

Doug Diny, Mayor