



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 6th, 2023.

Members: Katie Rosenberg (President), Dawn Herbst, Jim Force, Joe Gehin, John Robinson

AGENDA

1. Approve Minutes of May 1st 2023 Meeting.
2. Director's Report on Utility Operations
 - Staffing Needs Assessment- Operational benefits and needs, training needs gap
 - Update on the Lead Service Line Replacement (LSLR) Pilot Plan
 - Updates from the Regulatory Affairs Seminar
 - Additional Requested Discussions
 - Update on PFAS Results and USEPA Proposed Standards
 - Update on Corrosion Control Treatment (CCT) Study
 - Drinking Water Distribution Maintainer Resigns
 - Workday Implementation- Overtime Calculation Method Needs Adjustment/Revision
 - Employee Moral
 - Wastewater Facility Construction Update
 - Wastewater Treatment Plant Operation and Discharging Quality Effluent
 - 2022 Compliance Maintenance Annual Report (CMAR) Ready for Submittal
 - Collections System Technician (Sewer Maintainer)- A New Tech Began, One Vacancy
 - Wastewater Plant Operation Tech- Two New Techs Began Employment
 - Hiring/Training of new Staff Challenges
 - Sanitary Sewer Cured in Place Pipe (CIPP) Rehabilitation
3. Discussion and Possible Action Approving Staff to Prepare a Request for Qualifications (RFQ) Utilizing Performance Contracting for Lead Service Line Replacement in 2024.
4. Discussion and Possible Action Approving Travel Outside the Lower 48 States for the National/International AWWA 2023 Conference in Toronto, Canada.
5. Discussion on Bids Opened June 5, 2023, for the Construction of the Granulated Activated Carbon (GAC) Treatment Process.
6. Discussion and Possible Action Approving Reimbursement Resolutions for the Safe Drinking Water and Clean Water Revolving Loan Program for the Following Project Applications:
 - For the SDW
 - Replace Watermains on Eau Claire Blvd
 - BIL SFY24 LSL Program
 - Construct Watermain on Stettin Dr to Stewart Park
 - Construct Watermain Looping on the West Side
 - For the CWL
 - Stewart Ave Forcemain
 - Replace Sanitary Sewer – Eau Claire Blvd
 - Replace Sanitary Sewer – Washington Street
 - Cherry and Crocker Street Lift Station Rehabilitation
7. Discussion and Possible Action Approving the 2022 Wastewater Compliance Maintenance Annual Report (CMAR) and Resolution.

Adjourn.

Next meeting scheduled for **July 10th at 1:30 P.M.*

Signed by: /s/ Katie Rosenberg, Mayor
Presiding Officer or Designee

THIS NOTICE POSTED AT CITY HALL AND EMAILED TO CITY PAGES AND DAILY HERALD: June 2nd, 2023 at 1:15 p.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 1, 2023

A meeting of the Wausau Water Works Commission was called to order at 1:30 p.m. in City Hall on Monday, May 1st, 2023. In compliance with Wisconsin Statutes, this meeting was posted and receipted for by the Wausau Daily Herald on April 27, 2023.

Members Present: President Rosenberg, Commissioners Herbst, Robinson, Force, Gehin
Others Present: Eric Lindman, Scott Boers, Ben Brooks, Anne Jacobson, Valerie Swanborg, James Henderson, Jamie Polley, Joe Kafczynski/ BecherHoppe
Via WebEx: Susan Wojtkiewicz/Donohue

1) Approve Minutes of March 28th 2023 Meeting- Joint Finance.

Herbst motioned to approve minutes. Seconded by Robinson.
Motion carried 5-0.

2) Approve Minutes of April 3rd 2023 Meeting.

Robinson motioned to approve minutes. Seconded by Herbst.
Motion carried 5-0.

3) Director's Report on Utility Operations.

Lindman began there were a couple more items in this but he'd like to take a few minutes to recognize the planning for the future and accomplishments of work from the utility staff over the past several years. Both drinking water and wastewater treatment facilities were highlighted and lead into the report on projects but an acknowledgement with a number of years requiring additional resources into these projects from planning to design to construction and this Spring moving into Summer, the projects would most likely be complete and/or online. The planning that went into this has really set the city up for future success, not only with the regulations coming in the future but just operations in general. We will have some additional operational costs but this would allow flexibility in the future to address future regulations. First one we've seen is PFAS, without this new water plant, we wouldn't have been able to manage it as we are. The Granular Activated Carbon (GAC) project is out for bid and moving forward and on track to be online by end of 2024. Wastewater Facility is already looking at drying of biosolids awaiting Class A certification with the dryer reducing the volume we have by 88%, putting us in a better position than ever no matter how we would have to manage and dispose of biosolids. The effort put in by Staff is a tribute to their commitment to the city. We also have a list of projects we are doing currently; this is not all inclusive but more of the robust projects we have moving forward and questioned if any Commissioners had questions.

Force motioned Waterworks Commission expresses their thanks to Water and Wastewater Employees for their successful transition to and the operation of the new treatment facilities.

Rosenberg addressed this was not Agendized so we could not make a motion.

Force reiterated that he would like to express that as a statement of his own.

Robinson began he agreed with both Lindman and Force as it's not often that a Utility embarks on both a water and wastewater projects at the same time. The community will be well served into the future. It required all employees to do more and we want to recognize that. He questioned the training for the new staff as an item for future meetings be the staffing study to look more in depth at the needs, operational efficiencies realized as a result of the new treatment facilities, and looking at what the needs/challenges are going forward to get an idea budget wise as well as clarification on Corrosion Control Study (CCT) Study and lead loops with what we are doing and the intended outcome. He also questioned deviation of the PH standards with one of the months from 6 point something to 5 point something.

Boers replied the main intention of the CCT project is to optimize our corrosion control as far as lead leaching into the system as part of the EPA directive, we are required to do this and the DNR is following up. The other portion is to make sure water from the new treatment facility placed into system now doesn't adversely affect our corrosion control that's been in place already. The CCT will assure that the silicate built on the lead walls or pipe walls will not be compromised. The PH would be raw water and the operator would have taken the test on site and could have been equipment error but wouldn't put emphasis on one oddball reading.

Gehin questioned the old lead service testing as he thought it would be new materials and if there were any treatment before the process.

Boers replied it was required to take the old ones, we run our water to season them back to what they would be like for a home, for the first 3-6 months, they are ran regularly to household usage. Following up on Robinson's questions with the PH, these are raw PH levels so just the well waters, our treated water is targeted at 8.5. We treat water dependent on what comes into the plant.

Robinson questioned if there would be variable variability coming in that would prompt different demands on the system?

Boers replied very little on the finished water.

Rosenberg stated we had a visit from the Governor for Earth Day. Lindman gave a tour of the Drinking Water Treatment Plant. The Governor expressed his amazement at the work this department had accomplished in both discovery and pivot.

Director's Report Placed on File.

4) Discussion and Possible Action Accepting a New Water Main Being Installed in Marathon Park.

Lindman began Parks Department had a private water main that had compliance issues and they are replacing that and looping from 17th Ave to Garfield Ave. There was discussion whether it should stay private but for compliance they wanted to put check valves which would not be beneficial to the utility or marathon park from a maintenance standpoint. The utility would like to accept responsibility for the main itself but the services remain responsibility of Marathon County.

Robinson reiterated once installed, we'd take ownership of the main and need motion to accept upon completion for that water main. I would make that motion. Seconded by Gehin.

Motion carried 5-0.

5) Update on PSC Water Rate Case.

Lindman began the PSC's results of the water rate case were in the packet. A public notice went out today for the PSC public hearing and notice was formally published. It was placed in the Wausau Daily Herald, formerly published, placed in social media, press release and on the website. It gives explanation on a residential user in the notice. He questioned if there were any additional questions from the Commissioners.

Gehin stated we could get online but based on rate hearings he's gone to; they should be a

good listener and funnel through staff as these things are touchy.

No Action Taken.

6) Discussion and Possible Action Approving Sole Source Request for Replacement of the Headworks Wastewater Control Panel 100-CP-1.

Brooks began the panel was compromised in June due to severe inclement of weather and water penetrated the panel. Efforts were made to obtain compensation from contractors with no luck so it's fallen back in the city's hand and would like to move forward before corrosion takes over. It's an electrical panel that controls the headworks influent pumps, we need to replace the panel from Integrated Process Solutions (IPS).

Lindman stated that the City purchased its own builders risk for the project, this went back to that and we got a check for everything but the \$25,000 deductible. The panel right now is functioning but it's water compromised and would like to replace this.

Robinson questioned if this one would be waterproof?

Lindman replied the temporary structure over it failed during the inclement weather and now the permanent structure is up so it is protected.

Gehin motioned to proceed with the replacement as specified as this is a critical piece of equipment and if failed would result in lots of backup. Seconded by Robinson.

Motion carried 5-0.

7) Adjourn.

Herbst motioned to adjourn. Seconded by Robinson.

Motion carried 5-0.

Link to view meeting in its entirety: <https://tinyurl.com/wausaucitycouncil>

Gina Vang, Recording Secretary

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MEMORANDUM

TO: President Rosenberg
Commissioner Herbst
Commissioner Force
Commissioner Gehin
Commissioner Robinson

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

SUBJECT: Director's Report – June 2023

Staffing Needs Assessment:

- The staffing needs assessment identified a few key deficiencies within the utility that we are currently working to address. The primary needs are:
 - Training consistency, improvement in training methods and training for certifications
 - Increase in staffing is required to maintain proper operations and meet regulations for both water and wastewater
 - Establish a method for staff to advance in pay as they earn additional competencies through training
- It was proposed to use MEUW for our training needs on an annual basis. Once legal reviewed the agreement and the insurance, legal determine it would put the city at risk and did not support moving forward. MEUW was not willing to discuss any changes to their agreement so this partnership never came to fruition.
- CVMIC was contacted and they have stated they would be willing to fill the necessary gaps in training as well as be available to us for providing onsite training each year. They do have an online portal for tracking training which is something the department desperately needs; central location for all divisions to track completed training.
- The department needs a Safety Training Coordinator, this is a full-time job for the entire department. Staff is looking to propose adding a position within Streets or even HR that would be responsible for all training for the entire department as well as any other departments that may need assistance.

- The utility is currently working on updating job descriptions to better reflect job duties required by the division and also create a method/opportunity for employees to advance in pay by earning certifications. The city would pay for the trainings and allow the employee time to take the trainings. By establishing this advancement potential within the job description, it would allow the department to hire employees with minimal skills and then allow them to earn skills through training to benefit the organization and improve operations. This type of advancement and training would help with retention and assist with reducing turnover.
- Looking at utility positions throughout the country many of them use this method to allow advancement under the same job description. Advancement is determined through competencies and not just longevity is the position.

Update on the Lead Service Line Replacement (LSLR) Pilot Plan:

- Public outreach began the week of May 15.
- Two public meetings were held specifically for the residents of the project areas, May 22, and May 24. About 12-15 attendees in total.
- WWW Staff and Clark Dietz representatives have visited residents on each project directly to discuss the project, hand out information and answer questions related to the project.

LSL Outreach Update as of 5/31/2023

	total houses	pictures/ inspection done	no work needed	OPTED in	waiting for OPT in	NOT DONE
10th	47	36	2	17	17	11
Grant	12	9	1	3	6	2
Henrietta	40	26	6	9	17	7
TOTALS	99	71	9	29	40	20

- During the public meetings and talking with residents we have been compiling additional FAQ's that will be added for future FAQ's and presented and discussed at future public meetings.
- It is the goal of the utility to begin bidding the project for private side LSL replacement in early June with awarding a contract before the end of June.

Updates from the Regulatory Affairs Seminar:

- Association of State Drinking Water Administrators (ASDWA) has stated the increased amount of funding becoming available will significantly increase the workload for all agencies, including local agencies. This will put a strain on administrative and management staff which will require hiring additional outside consultants.
- Unregulated Contaminant Monitoring Rule (UCMR) 5. Requires sampling of 30 chemical contaminants, 29 PFAS compounds and lithium.
- Currently, LSL inventories are due October 2024 to meet compliance requirements.
- LSL inventory is required to be accessible to the public. Once our inventory is complete, we are starting to prepare an online dashboard that would be available to the public to see the inventory on our GIS system.
- There is a proposed Lead and Copper Rule Improvement (LCRI) proposed in September 2023 and Final by October 2024. The LCRI may have an impact on the LCR Inventory schedule.
- EPA is currently looking at revisions to the Microbial Disinfection Byproducts Rules (MDBP). The EPA has a deadline to update these of 2024 with a final ruling July 2027; both dates are likely to be extended by 12 months.
- There will be changes to the Consumer Confidence Report (CCR) coming in 2025. Additional information will be required and it will be required to publish twice per year versus once per year.
- PSC Simple Rate Case is now up to 8% for those that qualify.
- The PSC may implement, through a rate case, and expense depreciation for water main replacement. This would be a method for the city to better budget cash for annual water main replacement projects tied to our annual street reconstruction projects. At this time our estimate would be about \$1.2 million annually if this is something the Commission would consider requesting.
- PSC is highly recommending formal asset management for all utilities to remain in compliance due to new and increasing information that will be needed for future annual reporting.
- PSC recommends a full rate case evaluation every 3-5 years with looking at simplified rate cases annually.
- PSC is considering a new deadline for the annual report, currently it is April 1 it is proposed to be moved to May 1.

- The DNR tested 450 private wells statewide and about 40% of those wells were impacted by PFAS.
- LSL Replacements will require PSC approval if loan funding is being used for the private side replacement. This is not required if Principal Forgiveness is used or municipal funding is used. With this application an ordinance is required to be in place for PSC to approve.
- All LSL replacement projects will be Federal Equivalency projects. This means there is a significant amount of additional planning and approval process for these types of projects.
- Eric was part of a panel discussion with Eau Claire, Rib Mountain and Marshfield on Wausau's impact from PFAS and the City's response. We are ahead of all other utilities in the State and will be the first to fully treat all of the utilities drinking water for PFAS if we maintain our current schedule.

Additional Requests for Discussion:

1. There have been two solar tasks force meetings held. The next meeting is June 21 and some of the items that will be discussed are FAQ's, basics of solar, relook at at previously asked/answered questions, and beginning an overall city-wide education and outreach.

WATER DIVISION

1. PFAS Result Update: Please see attached results from 4/12/23 and USEPA Standards.
2. Corrosion Control Treatment Study Update and expected deliverables. Currently, water quality information is still being collected from the new facility. The desktop study is concurrently underway. The skids needed to perform the lead line loop portion of the demonstrative study are being fabricated. Please see attached letters and information from DNR for project expectations.
3. Water Distribution Maintainer Mitchell Pempek has given notice, June 9th will be his last day. He has been a great employee for the last 2 years; we wish him well.
4. With the implementation of Workday, it has been noted that the Water Department needs to adjust its overtime practices. Past practice has been to count benefit time (vacation, sick leave, comp. time) as time worked when calculating overtime. Historically, this is the method of calculation that has been used by the department. Changing the way overtime is calculated will deter employee's from responding to emergency and after-hours calls, which may cause extended or long-term service outages. Staff will be

pursuing this issue with the Human Resources Department.

5. As the Superintendent of the Water Department, I believe moral is the lowest I have seen here in my 18 years of City Employment. Our inability to attract and retain skilled employees, while being understaffed is really taking a toll on our employees. The Cities' inaction with scale and wage adjustments is sending a poor message to our employees. Other decisions like suspending steps 1 and 2 from the pay matrix without adjusting other or more tenured employee wages gives the impression that only new employees are appreciated. I hope something can be done before we lose more employees, I've been told, others here, will be, actively seeking other employment.

WASTEWATER DIVISION

1. Wastewater Facility Construction Update: See attached.
2. The Wastewater Treatment Plant continues to operate well and is discharging a quality effluent. Optimization continues throughout the plant. The plants surface water discharge of BOD and TSS has recently been experiencing reportable results of less than Limit of Detections (LOD) results.
3. The 2022 CMAR (Compliance Maintenance Annual Report) has been completed and is ready for submittal once approved by the Commission. The Wastewater/Collections Utility received a GPA (Grade Point Average) of 4.00 for 2022 reporting year.
4. Collection System Technician (Sewer Maintainer): New Collection System Technician Benn Her, began his employment with the Utility on May 15, 2023. There has become another vacancy in this position due to a resignation. Advertising for this position began on May 15, 2023 and closes on May 31, 2023.
5. Wastewater Plant Operations Technician: Wastewater Plant Operations Technician Jason Schill, began his employment with the Utility on May 1, 2023. Welcome Jason! The other vacant position has been filled and Austin Trinko is scheduled to begin his employment at the Utility on May 30, 2023. No vacancies once Austin starts.
6. Hiring and training of new staff continues to be a challenge for the utility. After losing almost 60 years of combined experience due to a retirement, a death, etc... the treatment plant is operating with a very small crew making it difficult to schedule vacations, on-call rotation and perform daily tasks. New hires require in depth knowledge of complex treatment processes and equipment being used and it takes a great amount of time to train to a level that new staff can operate equipment confidently and take the on-call status.
7. Sanitary Sewer CIPP (Cured in Place Pipe) Rehabilitation: CIPP Rehabilitation Project: Bid opening occurred on May 16, 2023 and Visu-Sewer was awarded the bid.



Wausau Waterworks

1801 Burek Ave

Wausau, WI 54403

Project: Quarterly FAS Testing

Project Number: 2023 WDNr Drinking Water Requirements

Project Manager: Scott Boers

Reported:

4/28/23 8:08

Work Order:

CB03613

Sample Results

Sample: EP400 (PFAS)

CB03613-01 (DW) Sampled: 04/12/23 03:00

Analyte	Result	Qualifier	LOD	LOQ	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles											
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.31	1.0		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.34	1.1		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.37	1.2		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.41	1.4		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.5		0.47	1.6		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.40	1.3		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	0.31	J	0.30	1.0		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.33	1.1		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.23	0.77		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	2.7		0.44	1.5		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	3.5		0.47	1.6		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		0.34	1.1		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		0.46	1.5		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	6.1		0.49	1.6		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	0.68	J	0.31	1.0		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.34	1.1		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND		0.43	1.4		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.30	1.0		ng/L	4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	93%		Limits: 70-130%				4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	88%		Limits: 70-130%				4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	92%		Limits: 70-130%				4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	80%		Limits: 70-130%				4/19/23 5:41	4/19/23 19:34	RAW	EPA 537.1, Rev 2.0	2



Wausau Waterworks

1801 Burek Ave

Wausau, WI 54403

Project: Quarterly FAS Testing

Project Number: 2023 WDNR Drinking Water Requirements

Project Manager: Scott Boers

Reported:

4/28/23 8:08

Work Order:

CB03613

Sample: EP500 (PFAS)

CB03613-03 (DW) Sampled: 04/12/23 10:25

Analyte	Result	Qualifier	LOD	LOQ	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles											
11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.30	0.98		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.33	1.1		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.36	1.2		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.40	1.4		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	3.9		0.46	1.6		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.39	1.3		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	ND		0.29	0.98		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.32	1.1		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.23	0.75		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	2.1		0.43	1.5		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	2.9		0.46	1.6		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		0.33	1.1		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		0.45	1.5		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	5.0		0.48	1.6		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	0.66	J	0.30	0.98		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.33	1.1		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTTrDA)	ND		0.42	1.4		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.29	0.98		ng/L	4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	90%		Limits: 70-130%				4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	86%		Limits: 70-130%				4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	88%		Limits: 70-130%				4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	85%		Limits: 70-130%				4/19/23 5:41	4/19/23 19:59	RAW	EPA 537.1, Rev 2.0	2

Proposed Federal MCLs

- Proposed federal standards
 - PFOA MCL at 4.0 ppt
 - PFOS MCL at 4.0 ppt
 - MCL Hazard Index of 1 for the following combined
GENX (10.0 ppt); PFBS (2000 ppt); PFNA (10.0 ppt) & PFHxS (9.0 ppt)
- Comments due by May 30, 2023 (unless requested extension is granted)
- Final rule later 2023 or early 2024

What is a Hazard Index?

- The HI is a tool used to evaluate potential health risks from exposure to chemical mixtures, based on an assumption of dose additivity.
- EPA is proposing that water systems use this approach to limit any mixture containing one or more of PFHxS, PFNA, PFBS, and GenX Chemicals. The HI does not include PFOA and PFOS which are proposed for regulation as individual contaminants due to their likely carcinogenicity.
- To determine the HI, water systems would monitor and compare the amount of each of the four PFAS in drinking water to its associated HBWC, which is the level below which no health effects are expected for that PFAS. The proposed HBWCs are:

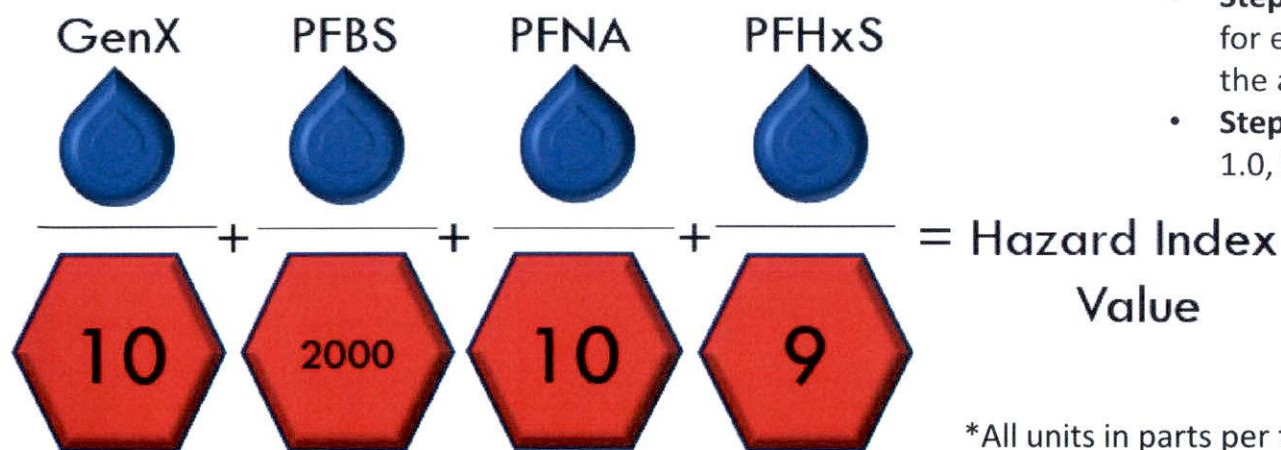
Compound	Proposed HBWC (ppt)
PFHxS	9.0
PFNA	10
PFBS	2000
HFPO-DA (commonly referred to as GenX Chemicals)	10

How do I calculate the Hazard Index?

The HI is used to understand health risks. For the PFAS NPDWR proposal, the HI considers the combined toxicity of PFNA, GenX Chemicals, PFHxS, and PFBS in drinking water.

What is a Hazard Index?

The HI is made up of a sum of fractions. Each fraction compares the level of each PFAS measured in the water to the level determined not to cause health effects (i.e., HBWC).



*All units in parts per trillion (ppt)

Steps:

- **Step 1:** Divide the measured concentration of **GenX** by the health-based value of **10 ppt***
- **Step 2:** Divide the measured concentration of **PFBS** by the health-based value of **2000 ppt**
- **Step 3:** Divide the measured concentration of **PFNA** by the health-based value of **10 ppt**
- **Step 4:** Divide the measured concentration of **PFHxS** by the health-based value of **9.0 ppt**
- **Step 5:** Add the ratios from steps 1, 2, 3, and 4 together
- **Step 6:** To determine HI compliance, repeat steps 1-5 for each sample collected in the past year and calculate the average HI for all the samples taken in the past year
- **Step 7:** If the running annual average HI greater than 1.0, it is a violation of the proposed HI MCL



March 14, 2023

Ms. Kaitlyn Bernarde – City Clerk
Wausau Waterworks
407 Grant Street
Wausau, WI 54403

PWSID: 73701023
MC System – Marathon County

Subject: Monitoring Requirements Following Corrosion Control Treatment Changes

Dear Ms. Bernarde,

Due to delays in the construction of Wausau Waterworks' (Wausau) new drinking water treatment facility, the department is extending their corrosion control treatment study deadline from March 22, 2023 to **December 31, 2024**, to allow adequate time for conditioning and testing the pipe loops using water from the new treatment facility.

The department appreciates your commitment to providing and maintaining a safe public drinking water system. If you have any questions regarding this letter, you may contact me at Brendon.Peppard@wisconsin.gov or (608) 575-6162, or your DNR Representative, Kyle Priest by phone at (715) 315-8094 or by email at kyle.priest@wisconsin.gov.

Sincerely,

Brendon Peppard

Brendon Peppard
Corrosion Control Engineer
Public Water Engineering Section
Drinking Water and Groundwater Program
608-575-6162

Encls: Wausau Waterworks monitoring Requirements Chart

e-copy:

Eric Lindman – Director of Public Works, City of Wausau
Scott Boers – Wausau Waterworks
Kyle Priest – DNR, Water Supply Engineer, Eau Claire
Troy Stapelmann – DNR, NR Regional Program Manager, Eau Claire
Ann Hirekatur – Lead and Copper Section Manager, DNR, Madison
Alyssa Rosewood – Lead and Copper Rule Specialist, DNR, Milwaukee



September 22nd, 2021

Ms. Leslie Kremer – City Clerk
Wausau Waterworks
407 Grant Street
Wausau, WI 54403

PWSID: 73701023
MC System – Marathon County

SUBJECT: Department Modification of Optimal Corrosion Control Treatment Determination

Dear Ms. Leslie Kremer,

The Department acknowledges receipt of a proposed pilot testing protocol for the new City of Wausau (Wausau) Water Treatment Facility (WTF), which included evaluation of three different corrosion control treatment (CCT) strategies in an effort to optimize CCT systemwide. Based on Wausau's historical lead and copper monitoring results, water system infrastructure/materials, and/or water quality parameters (WQPs), the Department is in agreement that lead and copper concentrations may not be minimized to the greatest extent possible in accordance with section NR 809.04(59) Wis. Adm. Code. After further discussion, it was agreed that while Wausau's CCT may not be optimized and an updated CCT Study effort should be completed – it would be best to wait until the new WTF is nearing completion and the improved entry point water quality can be utilized for testing the different CCT strategies.

Given the upcoming improvements and changes in source water quality, from the existing WTF to the new WTF, there is potential for changes in the rate of lead and copper corrosion throughout the distribution system. A demonstrative CCT Study utilizing harvested lead service lines (LSLs) will provide valuable insight into potential impacts from the change in source water quality, the effectiveness of the existing CCT, as well as evaluation of other CCT technologies that may have the ability to minimize lead and copper concentrations more effectively. Understanding it takes upwards of 6-12 months to design, harvest LSLs, build and condition a demonstrative pipe loop apparatus, it would be advantageous to begin the CCT Study at this time and condition the LSL pipe rig using the existing WTF water quality. As a result, the Department is modifying any previous determinations of optimal CCT for Wausau in accordance with s. NR 809.543(9), Wis. Adm. Code. **Wausau is hereby required to complete a demonstrative CCT Study, within 18 months, and submit a report to the Department no later than March 22nd, 2023, recommending optimal CCT.**

As stated, a demonstrative CCT Study requires a system to demonstrate through use of pipe-loops or other similar technologies that a given treatment will be effective in their system. Additionally, a CCT Study includes a thorough evaluation of distribution system materials (water mains, service connections, and service lines including: lead goosenecks, lead services, and galvanized pipe formerly downstream of lead) and premise plumbing (lead piping and copper with lead solder), an evaluation of current CCT efficacy in minimizing lead and copper concentrations in the drinking water, if applicable, consideration of other treatment options that may be more effective at reducing lead and copper, and an evaluation of WQPs that can impact lead and copper releases and CCT efficacy.

Note that an evaluation of the corrosivity of the water alone is not a substantial enough analysis to determine the likelihood of lead and copper release and whether corrosion control is optimized. The Department strongly recommends using EPA's Guidance: *Optimal Corrosion Control Treatment Evaluation Technical Guidance for Primacy Agencies and Public Water Systems* (online at <https://www.epa.gov/sites/production/files/2016-03/documents/occtmarch2016.pdf>). An additional Department resource, *Components of a Corrosion Control Study*, has been enclosed for your reference.

As part of your CCT Study your system must conduct 'baseline' sequential sampling at **four (4)** sites. These sampling results will be used to evaluate service line materials, CCT efficacy as well as provide lead and copper profile concentrations [s. NR 809.543(4)(b), Wis. Adm. Code]. **Sequential sampling must be conducted by October 31st, 2021, or between June 1st and September 30th, 2022.**

Sequential sampling results must include two 125 mL sample, and twelve additional 1-liter samples (for a total of 14 samples) from a single-family residence with a full lead service line. The intent is to continue using these sites for sequential sampling following the implementation of CCT to track optimization progress over time. The frequency of sequential sampling at these sites following CCT installation is anticipated to be an additional 1-2 times until optimization has been demonstrated.

Following submittal of the CCT Study and recommendation of an optimal CCT, the Department will either approve or assign CCT in accordance with s. NR 809.543(4), Wis. Adm. Code. This treatment must be installed within 24 months of the date of the Departments designation. As a result of the optimal CCT Modification, your system does not have lead and copper compliance monitoring requirements until after you have installed the optimal CCT that the Department assigns. Following installation of optimal CCT, you will be provided with additional information and notified in writing of your upcoming compliance monitoring requirements.

If you would like to have a follow up discussion with the Department regarding these requirements, please contact your DNR Representative, Jordan Lisowe at jordan.lisowe@wisconsin.gov or by phone at (715) 315-8094, to a set up a date and time for a conference call. Your continued efforts to maintain a safe drinking water system are greatly appreciated.

Sincerely,



Brendon Peppard
Corrosion Control Engineer
Public Water Engineering Section
Drinking Water and Groundwater Program
608-575-6162

cc:

Eric Lindman – Director of Public Works, City of Wausau
Scott Boers – Wausau Waterworks
Jordan Lisowe – DNR, Wisconsin Rapids
Troy Stapelmann – DNR, Eau Claire
Ann Hirekatur – Lead and Copper Rule Coordinator, DNR, Madison
Colin Sinclair – Lead and Copper Rule Specialist, DNR, Madison
Adam DeWeese – Public Water Supply Section Chief, DNR, Madison
Brad Siefker – Public Water Plan Review Engineer, DNR, Madison



CORROSION CONTROL TREATMENT STUDY

Components of a Desktop and Demonstrative Corrosion Control Treatment Study

The purpose of this document is to serve as a reference for systems required to conduct a Corrosion Control Treatment Study and outlines the differences between *Desktop* and *Demonstrative* studies. This may **not** encompass all the content necessary for a Corrosion Control Study but serves to highlight some of the major components and expectations for each study type. Each system's study components will depend on system specifics. Refer to the EPA's *Optimal Corrosion Control Treatment Evaluation Technical Guidance for Primacy Agencies and Public Water Systems* for additional information.

Components of a CCT Study May Include:

- 1) Evaluation of the efficacy of all treatments described in s. NR 809.543(3), as follows:
 - a. Alkalinity and pH adjustment.
 - b. Calcium hardness adjustment.
 - c. The addition of a phosphate or silicate-based corrosion inhibitor at a concentration sufficient to maintain an effective residual concentration in all test samples.
- 2) For demonstrative studies systems should:
 - a. Evaluate each of the corrosion control treatments listed above using either pipe rig or loop tests, metal coupon tests, partial-system tests (see *Corrosion Control Study – Demonstration Study Types* pg 3).
 - b. Collect water quality data before *and* after the evaluation of a given treatment; the list of applicable WQPs will be discussed further in later correspondence.
 - c. Recommendation for implementation of CCT that minimizes lead and copper at consumer's taps based a demonstrative study conducted using your system's water.
- 3) For desktop studies systems should:
 - a. Evaluate raw, entry point, and distribution system water quality information for the determination of key water quality parameters and their potential impacts of water quality on lead and copper release and treatability.
Note: This is not just a determination of the corrosivity of water, but an evaluation that considers all aspects of water quality and other non-corrosion control treatments.
 - b. Determine primary causes of elevated lead and/or copper: review materials inventories to determine primary sources of lead and copper in drinking water as well as other materials which may contribute to lead and copper releases (i.e. galvanized services/plumbing, brass fixtures, etc.).
 - c. Review customer complaint history to identify potential water quality issues that may be contributing to lead and/or copper releases.
 - d. Discuss multiple corrosion control treatment types and how the selected treatment and proposed dosing aligns with EPA guidance. Note that some treatment types may require piloting before the Department can approve treatment implementation.
 - e. In cases where blended phosphates are selected, discussion of the blend percentage and justification of polyphosphate in the system should be addressed.
Note: A survey of analogous treatments at other systems will not be accepted.
- 4) Data and documentation collected during the study including:
 - a. Water Quality Parameters impacted by given treatments.
 - b. Identification of all chemical and/or physical constraints of the proposed treatment.
 - c. Evaluation of the treatment's effect to other water quality treatment processes.
 - d. For a detailed list, see Exhibits 4.3, 4.4, 4.5, 4.6, and 4.8 in the OCCT Guidance.
- 5) Proposed doses and treatment chemicals that will be used to reduced lead and copper at consumer's taps. Plan Review is required for any treatment changes.
- 6) A detailed schedule of the System's plan/timeline for treatment start-up.
- 7) See table *Desktop Study vs. Demonstrative Study Comparisons* (pg 2)

Desktop Study vs. Demonstrative Study Comparison		
Corrosion Control Study Content	Desktop Study	Demonstrative Study
Evaluate Raw, Entry Point, and Distribution system water quality parameters and how the various parameters relate to corrosion control.	✓	✓
Conduct profile sampling to determine efficacy of current Corrosion Control Treatment and generate a baseline for any proposed changes.	✓	✓
Identify causes of elevated lead and copper in the system and include an inventory of plumbing materials in the system	✓	✓
Evaluate Multiple Corrosion Control Treatment types including but not limited to phosphate addition, silicate addition, and pH adjustment. ¹	✓	✓
Identify chemical and physical constraints associated with all examined Corrosion Control Treatment types and substantiate all decisions and constraints with data and documentation.	✓	✓
Evaluate distribution system maintenance and flushing programs; determine how level of distribution system cleanliness may be contributing to lead and copper issues.	✓	✓
Conduct Pilot Scale testing to evaluate and substantiate corrosion control treatment constraints and determine the effect proposed treatments will have on system water quality.	Not Required ²	✓
Conduct Pipe Scale Analysis to determine effectiveness of existing corrosion control treatment.	Not Required ²	Not Required ²
Operate a Pipe Loop to evaluate multiple Corrosion Control Treatments over an extended period of time with harvested distribution system plumbing materials to determine potential impacts a corrosion control treatment change could have on existing plumbing.	Not Required ²	✓
Suggest corrosion control treatment dose, and timeline for implementation in final Corrosion Control Study submitted to Department for evaluation. ¹	✓	✓

¹ During evaluation and study of any blended phosphate or silicate products, which have the potential to sequester lead and copper, substantiation of the blend percentage and product will be required if proposed for Corrosion Control Treatment.

² These items are not required for completion of their respective Corrosion Control Studies; however, they may provide significantly more information during treatment evaluations and allow for increased confidence in Corrosion Control Treatment determinations.

Corrosion Control Study – Demonstrative Study Types

The description below are purely informational. A Corrosion Control Study must be tailored to meet the needs of each specific water system and will depend on a number of different variables including sources of lead and copper, source water, and existing treatment in place.

Water system's that will be conducting a Corrosion Control Study are advised to contact a consultant and/or treatment supplier regarding the proper construction, maintenance, and situational use of the proposed demonstration study types. It is also strongly recommended to schedule a meeting with the Department to discuss the details of a Corrosion Control Study prior to implementation.

- 1) **Pipe Loop Studies.** A pipe loop study includes development of a system constructed with excavated lead service lines installed in a flow through or recirculating system. Valves located throughout the loop allow for water to be circulated at various flow rates to simulate typical use. Pipe loops may require between 3 and 9 months to develop scales consistent with the water system. Lead and/or copper samples should be taken monthly until lead and/or copper level changes are less than or equal to 5%, to ensure scale stabilization. Small scale treatment modifications can be implemented in pipe loop configurations to determine the impact on the water system.

OR

- 2) **Coupon Analyses/Monitoring Stations.** Coupon studies and monitoring stations use samples of lead and/or copper (usually flat metal pieces) to mimic the exposure of system infrastructure to the system's drinking water. Coupon studies and monitoring stations that are maintained properly can provide information to help determine if treatment modifications installed at the station have the potential to decrease the release of lead and/or copper within the distribution system. Coupon studies and monitoring stations have limited uses in predicting exposure of lead and/or copper at consumer's taps given that "fresh" metal coupons lack the scale and treatment seen in consumer's service lines.

OR

- 3) **Scale and Solid Analysis.** Lead services excavated from the water system and opened to examine pipe scales. Scales can be examined visually, via X-ray diffraction (XRD), X-ray fluorescence (XRF), X-ray emission spectroscopy, Raman spectroscopy, inductively coupled plasma mass spectroscopy (ICP-MS) and scanning electron microscope (SEM). Elemental analysis and images of excavated pipes can provide indications about the effectiveness and nature of corrosion control and guide recommendation decisions for corrosion control recommendations.

OR

- 4) **Partial System Testing.** In hydraulically isolated areas of the distribution system, Department approved treatment modifications and accompanying monitoring for lead and/or copper and water quality parameters can help to optimize corrosion control treatment for larger systems. This partial system testing can be done in connection with a Pipe Loop Study following conditioning of pipe loops. Partial system testing should only be done in consultation with the Department, as there are substantial risks to consumers associated with modifying treatment which has not been properly tested by use of other

Project Status Report

Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | April 9, 2023 – May 13, 2023

Invoice 71

Engineer Activities This Period

- Construction administration services related to the remaining efforts associated with the technical review of contractor shop drawings, responding to contract interpretation questions (RFIs), initiating requests for proposals (RFPs), attending random construction progress meetings, processing work changes to the contract, and contractor monthly payment requests.
- Prepared and submitted Clean Water Fund disbursement request and provided CWF administration.
- The Engineer's application engineering staff working on fine tuning the various systems as unit process systems are being operated.
- Finalized Change Order 26, which will include extending the contract's substantial and final completion dates to allow additional time to complete remaining work. Contractor reviewed and signed. Change Order 26 was then forwarded to Owner for final review and signature.
- Preparing final Certificates of Substantial Completion for those process systems that the Owner has begun to operate.
- Continued to address punch list items including the following areas of focus: DG boilers, disc filters and dryer.
- Continued to assist Owner with WDNR Class A biosolids approval.
- Performed final site walk thru with WDNR.

Engineer Near-Term Activities

- As the project proceeds, the engineer will continue to provide construction administration services including responding to RFIs, preparing WCDs, attending random construction progress meetings, processing near final change orders, reviewing contractor payment requests, and providing on-site resident engineering services.
- Application Engineering programming to fine tune operations.
- Review punch list items as they are completed.

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

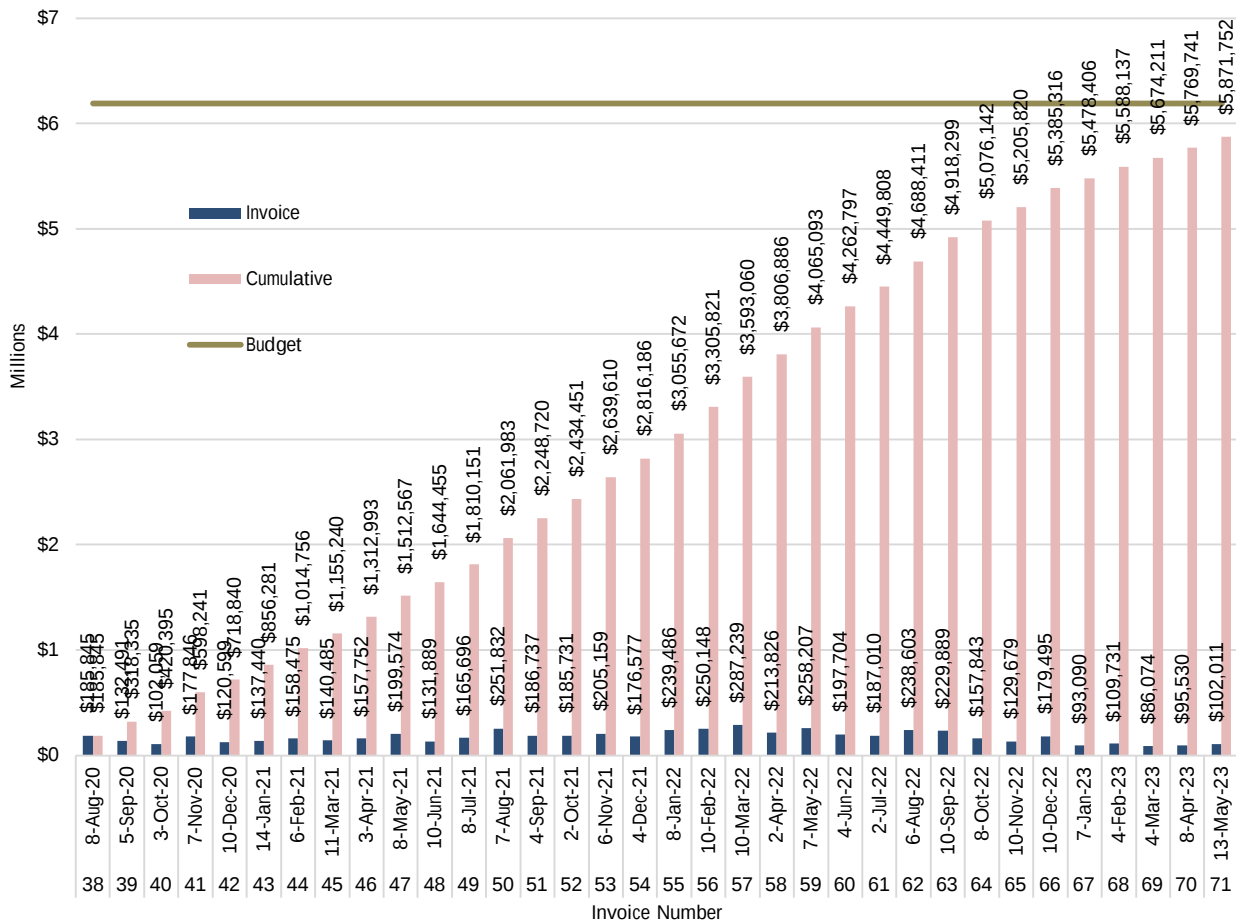
Donohue Project Number 13229

Period | April 9, 2023 – May 13, 2023

Invoice 71

Project Related Budget Snapshot

Construction Engineering Budget



Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

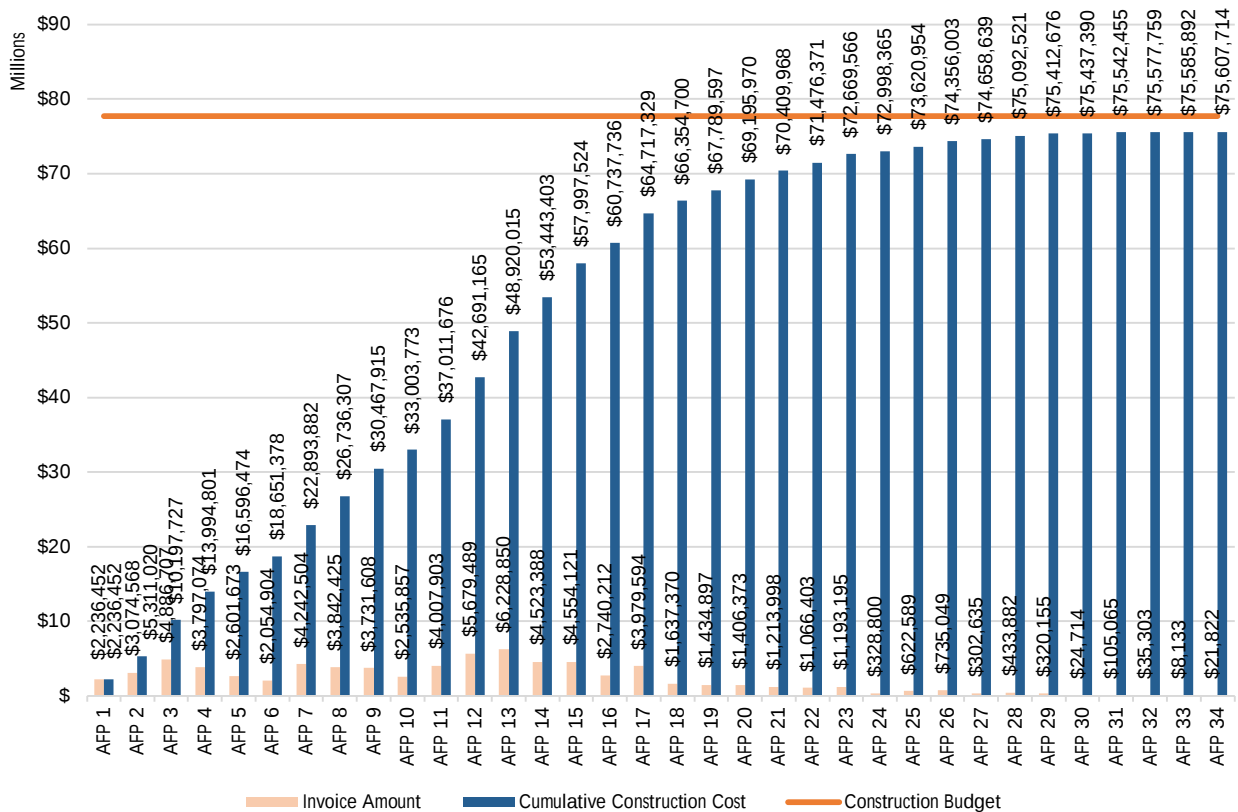
City of Wausau, Wisconsin

Donohue Project Number 13229

Period | April 9, 2023 – May 13, 2023

Invoice 71

Construction Budget: Pay Applications Approved by Engineer



Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

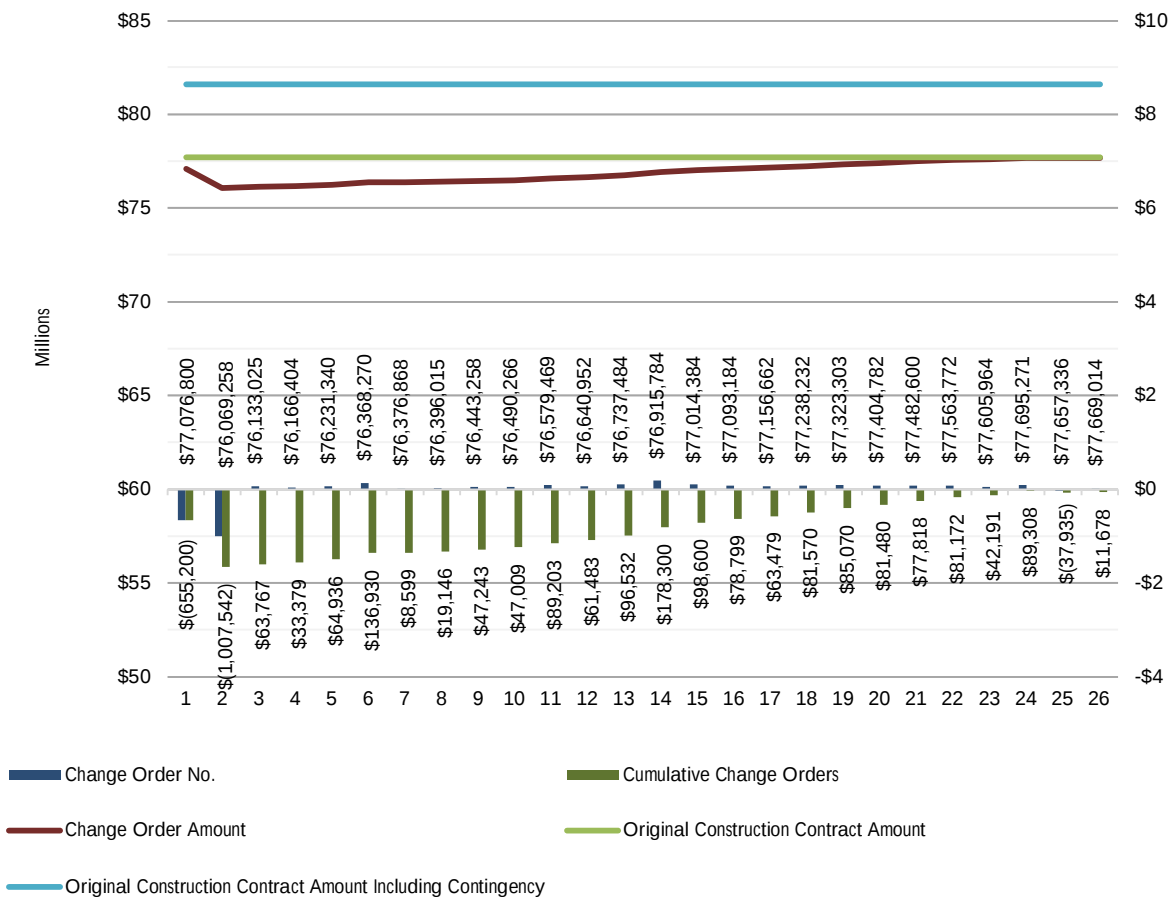
City of Wausau, Wisconsin

Donohue Project Number 13229

Period | April 9, 2023 – May 13, 2023

Invoice 71

Overall Project Budget



Budget Notes:

1. No budget issues at this time.

Remarks

1. Construction is very nearly complete; therefore, construction photographs are no longer beneficial to document project progress.

INVOICE



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 15, 2023

Donohue Project No.:

13229

Invoice No:

13229-71

Project Manager:

Mike Gerbitz

Terms:

Net 30 Days

Billing Period:

04/09/23 - 05/13/23

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	\$	10,322,987.53
Charges Previously Billed	\$	10,220,976.25
Current Charges	\$	102,011.28

Summary of Current Charges

Labor (519.0 hours)	\$	96,672.50
Reimbursable Expenses	\$	4,204.78
Permit Review Fees	\$	-
Subconsultants	\$	1,134.00
Total	\$	102,011.28

Current Charges Due	\$	102,011.28
----------------------------	-----------	-------------------

Please Remit to:

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

<u>Aged Receivables</u>				
<u>Current</u>	<u>31 - 60 Days</u>	<u>61 - 90 Days</u>	<u>91 - 120 days</u>	<u>>120 days</u>
\$102,011.28	\$96,529.71	\$4,220.73	\$6,020.00	\$0.00



TO: Wausau Waterworks Commission

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

DATE: June 6, 2023

SUBJECT: Lead Service Line Replacement Plan (LSLRP) – Performance Contracting

Community Infrastructure Partners (CIP) provided a presentation to Finance and WWW Commission how Performance Contracting may be used to perform an accelerated LSLRP. Staff is currently conducting a 2023 pilot LSLRP for about 100 private LSL's to determine how our current plan will work on a larger scale moving into 2024.

To accelerate the LSLRP current staffing will not be able to support such a large project with what will be required for project management. If the Commission would like to consider accelerating the LSLRP beginning in 2024 then staff would need to begin the RFP process as soon as possible. Planning a project like this will take an excessive amount of time for coordination, communication, site investigation and preparing bidding documents. All of this work will need to begin in 2023 to try and be prepared for 2024 replacement.

There remains decisions that the Commission needs to make related to a LSLRP as we begin to move this process forward. Decisions that need to be made:

1. Is the Commission going to create a mandatory replacement ordinance?
2. Funding of the LSLRP, will the city portion be 100% grant funded and is the commission willing to put this debt service on the users?
3. Establish permit fees that cover most or all of the costs of the inspections?

Requesting a decision by the Commission whether to prepare an RFP and solicit proposals from professional firms to work with the utility preparing and completing an accelerated LSLRP over the next 5-6 years.

If the Commission approves this moving forward then the typical process would be to receive proposals, staff will review and rank the proposals and bring a recommendation back to the BPW for a decision to award. Or the proposals could be brought to the Commission for a final decision, let us know your preference for the process.



TO: Wausau Waterworks Commission

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

DATE: June 6, 2023

SUBJECT: Travel Approval Requested Outside the Lower 48 – AWWA National Conference

Each year the water utility has a water service line tapping team, "Bull Falls Tappers", that compete statewide at the WI AWWA Conference. In 2022 they won the state competition and have the opportunity to compete at the national/international competition. This will be their 3rd trip to nationals over the past several years. The tapping team consist of 4-employees and AWWA provides them a \$1,400 stipend each to attend the national conference. Any costs above this will be paid for by the utility. It is anticipated the \$1,400 should cover the conference registration and majority of the travel. There will be some costs for per diem and any additional costs to cover lodging.

This year is unique in that the conference is being held in Toronto Canada. All employees going to the conference signed up and registered last year and have already arranged their travel. In the new Workday software, it is required that the travel outside the lower 48 be approved and those meeting minute approvals be attached to the Workday request. I was unaware of this preapproval requirement or I would have brought this forward sooner. There will be a total of 6-employees traveling to the conference with four of them receiving the stipend. This is included in the 2023 training and travel budget.

Staff is requesting formal approval for 6-employees to travel outside the lower 48 states to Canada to attend the AWWA national Water Conference.



TO: Wausau Waterworks Commission

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

DATE: June 6, 2023

SUBJECT: Proposed SDW and CWF Applications for Principal Forgiveness

The increase in available BIL Funding and potential for Principal Forgiveness, the utility will be requesting funding through the WDNR Safe Drinking Water Loan and Clean Water Fund Loan program for SFY2024. SDW applications are due June 30 and CWF applications are due October 31. Projects included for the applications are as follows:

For the SDW

- Replace Watermains on Eau Claire Blvd
- BIL SFY24 LSL Program
- Construct Watermain on Stettin Dr to Stewart Park
- Construct Watermain Looping on the West Side

For the CWL

- Stewart Ave Forcemain
- Replace Sanitary Sewer – Eau Claire Blvd
- Replace Sanitary Sewer – Washington Street
- Cherry and Crocker Street Lift Station Rehabilitation

Any projects not funded or determined by the utility not to move forward may be applied for during the next fiscal year. These resolutions will be moved on to the City Council for final approval.

RESOLUTION OF THE WAUSAU WATER WORKS COMMISSION

Resolution Declaring Official Intent to Reimburse Expenditures from the Safe Drinking Water Revolving Loan Program to Replace Watermains on Eau Claire Blvd in Year 2024.

Committee Action:

Fiscal Impact: Reimbursement of the cost of engineering services and construction services in the amount of up to \$600,000.00.

File Number:

Date Introduced:

FISCAL IMPACT SUMMARY

COSTS	Budget Neutral	Yes ☐ No ☒	
	Included in Budget:	Yes ☐ No ☒	Budget Source:
	One-time Costs:	Yes ☒ No ☐	Amount: \$600,000.00
	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, the City of Wausau, Marathon, County, Wisconsin (the “Municipality”) wishes to undertake a project to replace watermains on Eau Claire Blvd in year 2024, identified as DNR No. 4930-15 (the “Project”); and

WHEREAS, the Municipality expects to finance the Project through a combination of grants, forgivable loans and/or by issuing tax-exempt bonds or promissory notes (the “Bonds”); and

WHEREAS, because the grants, forgivable loans and/or Bonds will not be issued prior to expenditure of funds on the Project, the Municipality must provide interim financing to cover costs of the Project incurred prior to receipt of the proceeds of the grants, forgivable loans and/or Bonds; and

WHEREAS, it is necessary, desirable, and in the best interests of the Municipality to advance moneys from its funds on hand on an interim basis to pay the costs of the Project until the grants, forgivable loans and/or Bonds are issued; and

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City of Wausau, that:

Section 1. Expenditure of Funds. The Municipality shall make expenditures as needed from

its funds on hand to pay the costs of the Project until the grants, forgivable loans and/or Bond proceeds become available.

Section 2. Declaration of Official Intent. The Municipality hereby officially declares its intent under Treas. Regs. Section 1.150-2 to reimburse said expenditures with proceeds of the grants, forgivable loans and/or Bonds, the principal amount of which is not expected to exceed \$600,000.00.

Section 3. Unavailability of Long-Term Funds. No funds for payment of the Project from sources other than the grants, forgivable loans and/or Bonds are, or are reasonably expected to be, reserved, allocated on a long-term basis, or otherwise set aside by the Municipality pursuant to its budget or financial policies.

Section 4. Public Availability of Official Intent Resolution. This Resolution shall be made available for public inspection at the City Clerk's office within 30 days after its approval in compliance with applicable State law governing the availability of records of official acts including Subchapter II of Chapter 19, *Wisconsin Statutes*, and shall remain available for public inspection until the grants, forgivable loans and/or Bonds are issued.

Section 5. Effective Date. This Resolution shall be effective upon its adoption and approval.

Passed and adopted this ____ day of _____, 2022.

Approved:

Katie Rosenberg, Mayor

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

RESOLUTION OF THE WAUSAU WATER WORKS COMMISSION

Resolution Declaring Official Intent to Reimburse Expenditures from the Safe Drinking Water Revolving Loan Program for the BIL SFY24 LSL Program in Year 2024.

Committee Action:

Fiscal Impact: Reimbursement of the cost of engineering services and construction services in the amount of up to \$5,334,000.00.

File Number:

Date Introduced:

FISCAL IMPACT SUMMARY

COSTS	Budget Neutral	Yes ☐ No ☒	
	Included in Budget:	Yes ☐ No ☒	Budget Source:
	One-time Costs:	Yes ☒ No ☐	Amount: \$5,334,000.00
	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, the City of Wausau, Marathon, County, Wisconsin (the “Municipality”) wishes to undertake a project utilizing the BIL SFY24 LSL Program in year 2024, identified as DNR No. 4930-14 (the “Project”); and

WHEREAS, the Municipality expects to finance the Project through a combination of grants, forgivable loans and/or by issuing tax-exempt bonds or promissory notes (the “Bonds”); and

WHEREAS, because the grants, forgivable loans and/or Bonds will not be issued prior to expenditure of funds on the Project, the Municipality must provide interim financing to cover costs of the Project incurred prior to receipt of the proceeds of the grants, forgivable loans and/or Bonds; and

WHEREAS, it is necessary, desirable, and in the best interests of the Municipality to advance moneys from its funds on hand on an interim basis to pay the costs of the Project until the grants, forgivable loans and/or Bonds are issued; and

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City of Wausau, that:

Section 1. Expenditure of Funds. The Municipality shall make expenditures as needed from

its funds on hand to pay the costs of the Project until the grants, forgivable loans and/or Bond proceeds become available.

Section 2. Declaration of Official Intent. The Municipality hereby officially declares its intent under Treas. Regs. Section 1.150-2 to reimburse said expenditures with proceeds of the grants, forgivable loans and/or Bonds, the principal amount of which is not expected to exceed \$5,334,000.00.

Section 3. Unavailability of Long-Term Funds. No funds for payment of the Project from sources other than the grants, forgivable loans and/or Bonds are, or are reasonably expected to be, reserved, allocated on a long-term basis, or otherwise set aside by the Municipality pursuant to its budget or financial policies.

Section 4. Public Availability of Official Intent Resolution. This Resolution shall be made available for public inspection at the City Clerk's office within 30 days after its approval in compliance with applicable State law governing the availability of records of official acts including Subchapter II of Chapter 19, *Wisconsin Statutes*, and shall remain available for public inspection until the grants, forgivable loans and/or Bonds are issued.

Section 5. Effective Date. This Resolution shall be effective upon its adoption and approval.

Passed and adopted this ____ day of _____, 2022.

Approved:

Katie Rosenberg, Mayor

RESOLUTION OF THE WAUSAU WATER WORKS COMMISSION

Resolution Declaring Official Intent to Reimburse Expenditures from the Safe Drinking Water Revolving Loan Program to Construct Watermain on Stettin Dr. to Stewart Park in Year 2024.

Committee Action:

Fiscal Impact: Reimbursement of the cost of engineering services and construction services in the amount of up to \$1.2 Million.

File Number:

Date Introduced:

FISCAL IMPACT SUMMARY

COSTS	Budget Neutral	Yes ☐ No ☒	
	Included in Budget:	Yes ☐ No ☒	Budget Source:
	One-time Costs:	Yes ☒ No ☐	Amount: \$1.2 Million
	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, the City of Wausau, Marathon, County, Wisconsin (the “Municipality”) wishes to undertake a project to construct watermain on Stettin Dr. to Stewart Park in year 2024, identified as DNR No. 4930-21 (the “Project”); and

WHEREAS, the Municipality expects to finance the Project through a combination of grants, forgivable loans and/or by issuing tax-exempt bonds or promissory notes (the “Bonds”); and

WHEREAS, because the grants, forgivable loans and/or Bonds will not be issued prior to expenditure of funds on the Project, the Municipality must provide interim financing to cover costs of the Project incurred prior to receipt of the proceeds of the grants, forgivable loans and/or Bonds; and

WHEREAS, it is necessary, desirable, and in the best interests of the Municipality to advance moneys from its funds on hand on an interim basis to pay the costs of the Project until the grants, forgivable loans and/or Bonds are issued; and

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City of Wausau, that:

Section 1. Expenditure of Funds. The Municipality shall make expenditures as needed from

its funds on hand to pay the costs of the Project until the grants, forgivable loans and/or Bond proceeds become available.

Section 2. Declaration of Official Intent. The Municipality hereby officially declares its intent under Treas. Regs. Section 1.150-2 to reimburse said expenditures with proceeds of the grants, forgivable loans and/or Bonds, the principal amount of which is not expected to exceed \$1.2 million.

Section 3. Unavailability of Long-Term Funds. No funds for payment of the Project from sources other than the grants, forgivable loans and/or Bonds are, or are reasonably expected to be, reserved, allocated on a long-term basis, or otherwise set aside by the Municipality pursuant to its budget or financial policies.

Section 4. Public Availability of Official Intent Resolution. This Resolution shall be made available for public inspection at the City Clerk's office within 30 days after its approval in compliance with applicable State law governing the availability of records of official acts including Subchapter II of Chapter 19, *Wisconsin Statutes*, and shall remain available for public inspection until the grants, forgivable loans and/or Bonds are issued.

Section 5. Effective Date. This Resolution shall be effective upon its adoption and approval.

Passed and adopted this ____ day of _____, 2022.

Approved:

Katie Rosenberg, Mayor

RESOLUTION OF THE WAUSAU WATER WORKS COMMISSION

Resolution Declaring Official Intent to Reimburse Expenditures from the Safe Drinking Water Revolving Loan Program to Construct Watermain Looping on Westside in Year 2024.

Committee Action:

Fiscal Impact: Reimbursement of the cost of engineering services and construction services in the amount of up to \$1 Million.

File Number:

Date Introduced:

FISCAL IMPACT SUMMARY

COSTS	Budget Neutral	Yes ☐ No ☒	
	Included in Budget:	Yes ☐ No ☒	Budget Source:
	One-time Costs:	Yes ☒ No ☐	Amount: \$1 Million
	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, the City of Wausau, Marathon, County, Wisconsin (the “Municipality”) wishes to undertake a project to construct watermain looping on westside in year 2024, identified as DNR No. 4930U18 (the “Project”); and

WHEREAS, the Municipality expects to finance the Project through a combination of grants, forgivable loans and/or by issuing tax-exempt bonds or promissory notes (the “Bonds”); and

WHEREAS, because the grants, forgivable loans and/or Bonds will not be issued prior to expenditure of funds on the Project, the Municipality must provide interim financing to cover costs of the Project incurred prior to receipt of the proceeds of the grants, forgivable loans and/or Bonds; and

WHEREAS, it is necessary, desirable, and in the best interests of the Municipality to advance moneys from its funds on hand on an interim basis to pay the costs of the Project until the grants, forgivable loans and/or Bonds are issued; and

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City of Wausau, that:

Section 1. Expenditure of Funds. The Municipality shall make expenditures as needed from

its funds on hand to pay the costs of the Project until the grants, forgivable loans and/or Bond proceeds become available.

Section 2. Declaration of Official Intent. The Municipality hereby officially declares its intent under Treas. Regs. Section 1.150-2 to reimburse said expenditures with proceeds of the grants, forgivable loans and/or Bonds, the principal amount of which is not expected to exceed \$1 million.

Section 3. Unavailability of Long-Term Funds. No funds for payment of the Project from sources other than the grants, forgivable loans and/or Bonds are, or are reasonably expected to be, reserved, allocated on a long-term basis, or otherwise set aside by the Municipality pursuant to its budget or financial policies.

Section 4. Public Availability of Official Intent Resolution. This Resolution shall be made available for public inspection at the City Clerk's office within 30 days after its approval in compliance with applicable State law governing the availability of records of official acts including Subchapter II of Chapter 19, *Wisconsin Statutes*, and shall remain available for public inspection until the grants, forgivable loans and/or Bonds are issued.

Section 5. Effective Date. This Resolution shall be effective upon its adoption and approval.

Passed and adopted this ____ day of _____, 2022.

Approved:

Katie Rosenberg, Mayor

RESOLUTION OF THE WAUSAU WATER WORKS COMMISSION

Resolution Declaring Official Intent to Reimburse Expenditures from the Clean Water Fund Program to Reroute the Stewart Ave Force Main in Year 2024.

Committee Action:

Fiscal Impact: Reimbursement of the cost of engineering services and construction services in the amount of up to \$2.2 Million.

File Number:

Date Introduced:

FISCAL IMPACT SUMMARY

COSTS	Budget Neutral	Yes ☐ No ☒	
	Included in Budget:	Yes ☐ No ☒	Budget Source:
	One-time Costs:	Yes ☒ No ☐	Amount: \$2.2 Million
	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, the City of Wausau, Marathon, County, Wisconsin (the “Municipality”) wishes to undertake a project to reroute the Stewart Ave force main in year 2024, identified as DNR No. 4138-11 (the “Project”); and

WHEREAS, the Municipality expects to finance the Project through a combination of grants, forgivable loans and/or by issuing tax-exempt bonds or promissory notes (the “Bonds”); and

WHEREAS, because the grants, forgivable loans and/or Bonds will not be issued prior to expenditure of funds on the Project, the Municipality must provide interim financing to cover costs of the Project incurred prior to receipt of the proceeds of the grants, forgivable loans and/or Bonds; and

WHEREAS, it is necessary, desirable, and in the best interests of the Municipality to advance moneys from its funds on hand on an interim basis to pay the costs of the Project until the grants, forgivable loans and/or Bonds are issued; and

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City of Wausau, that:

Section 1. Expenditure of Funds. The Municipality shall make expenditures as needed from

its funds on hand to pay the costs of the Project until the grants, forgivable loans and/or Bond proceeds become available.

Section 2. Declaration of Official Intent. The Municipality hereby officially declares its intent under Treas. Regs. Section 1.150-2 to reimburse said expenditures with proceeds of the grants, forgivable loans and/or Bonds, the principal amount of which is not expected to exceed \$2.2 million.

Section 3. Unavailability of Long-Term Funds. No funds for payment of the Project from sources other than the grants, forgivable loans and/or Bonds are, or are reasonably expected to be, reserved, allocated on a long-term basis, or otherwise set aside by the Municipality pursuant to its budget or financial policies.

Section 4. Public Availability of Official Intent Resolution. This Resolution shall be made available for public inspection at the City Clerk's office within 30 days after its approval in compliance with applicable State law governing the availability of records of official acts including Subchapter II of Chapter 19, *Wisconsin Statutes*, and shall remain available for public inspection until the grants, forgivable loans and/or Bonds are issued.

Section 5. Effective Date. This Resolution shall be effective upon its adoption and approval.

Passed and adopted this ____ day of _____, 2022.

Approved:

Katie Rosenberg, Mayor

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

RESOLUTION OF THE WAUSAU WATER WORKS COMMISSION

Resolution Declaring Official Intent to Reimburse Expenditures from the Clean Water Fund Program to Replace the Sanitary Sewer on Eau Claire Blvd in Year 2024.

Committee Action:

Fiscal Impact: Reimbursement of the cost of engineering services and construction services in the amount of up to \$

File Number:

Date Introduced:

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, the City of Wausau, Marathon, County, Wisconsin (the “Municipality”) wishes to undertake a project to replace the sanitary sewer on Eau Claire Blvd in year 2024, identified as DNR No. 4138-?? (the “Project”); and

WHEREAS, the Municipality expects to finance the Project through a combination of grants, forgivable loans and/or by issuing tax-exempt bonds or promissory notes (the “Bonds”); and

WHEREAS, because the grants, forgivable loans and/or Bonds will not be issued prior to expenditure of funds on the Project, the Municipality must provide interim financing to cover costs of the Project incurred prior to receipt of the proceeds of the grants, forgivable loans and/or Bonds; and

WHEREAS, it is necessary, desirable, and in the best interests of the Municipality to advance moneys from its funds on hand on an interim basis to pay the costs of the Project until the grants, forgivable loans and/or Bonds are issued; and

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City of Wausau, that:

Section 1. Expenditure of Funds. The Municipality shall make expenditures as needed from

its funds on hand to pay the costs of the Project until the grants, forgivable loans and/or Bond proceeds become available.

Section 2. Declaration of Official Intent. The Municipality hereby officially declares its intent under Treas. Regs. Section 1.150-2 to reimburse said expenditures with proceeds of the grants, forgivable loans and/or Bonds, the principal amount of which is not expected to exceed \$.....

Section 3. Unavailability of Long-Term Funds. No funds for payment of the Project from sources other than the grants, forgivable loans and/or Bonds are, or are reasonably expected to be, reserved, allocated on a long-term basis, or otherwise set aside by the Municipality pursuant to its budget or financial policies.

Section 4. Public Availability of Official Intent Resolution. This Resolution shall be made available for public inspection at the City Clerk's office within 30 days after its approval in compliance with applicable State law governing the availability of records of official acts including Subchapter II of Chapter 19, *Wisconsin Statutes*, and shall remain available for public inspection until the grants, forgivable loans and/or Bonds are issued.

Section 5. Effective Date. This Resolution shall be effective upon its adoption and approval.

Passed and adopted this ____ day of _____, 2022.

Approved:

Katie Rosenberg, Mayor

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

RESOLUTION OF THE WAUSAU WATER WORKS COMMISSION

Resolution Declaring Official Intent to Reimburse Expenditures from the Clean Water Fund Program to Replace the Sanitary Sewer on Washington Street in Year 2024.

Committee Action:

Fiscal Impact: Reimbursement of the cost of engineering services and construction services in the amount of up to \$600,000.00.

File Number:

Date Introduced:

FISCAL IMPACT SUMMARY

COSTS	Budget Neutral	Yes ☐ No ☒	
	Included in Budget:	Yes ☐ No ☒	Budget Source:
	One-time Costs:	Yes ☒ No ☐	Amount: \$600,000.00
	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, the City of Wausau, Marathon, County, Wisconsin (the “Municipality”) wishes to undertake a project to replace the sanitary sewer on Washington Street in year 2024, identified as DNR No. 4138-08 (the “Project”); and

WHEREAS, the Municipality expects to finance the Project through a combination of grants, forgivable loans and/or by issuing tax-exempt bonds or promissory notes (the “Bonds”); and

WHEREAS, because the grants, forgivable loans and/or Bonds will not be issued prior to expenditure of funds on the Project, the Municipality must provide interim financing to cover costs of the Project incurred prior to receipt of the proceeds of the grants, forgivable loans and/or Bonds; and

WHEREAS, it is necessary, desirable, and in the best interests of the Municipality to advance moneys from its funds on hand on an interim basis to pay the costs of the Project until the grants, forgivable loans and/or Bonds are issued; and

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City of Wausau, that:

Section 1. Expenditure of Funds. The Municipality shall make expenditures as needed from

its funds on hand to pay the costs of the Project until the grants, forgivable loans and/or Bond proceeds become available.

Section 2. Declaration of Official Intent. The Municipality hereby officially declares its intent under Treas. Regs. Section 1.150-2 to reimburse said expenditures with proceeds of the grants, forgivable loans and/or Bonds, the principal amount of which is not expected to exceed \$600,000.00.

Section 3. Unavailability of Long-Term Funds. No funds for payment of the Project from sources other than the grants, forgivable loans and/or Bonds are, or are reasonably expected to be, reserved, allocated on a long-term basis, or otherwise set aside by the Municipality pursuant to its budget or financial policies.

Section 4. Public Availability of Official Intent Resolution. This Resolution shall be made available for public inspection at the City Clerk's office within 30 days after its approval in compliance with applicable State law governing the availability of records of official acts including Subchapter II of Chapter 19, *Wisconsin Statutes*, and shall remain available for public inspection until the grants, forgivable loans and/or Bonds are issued.

Section 5. Effective Date. This Resolution shall be effective upon its adoption and approval.

Passed and adopted this ____ day of _____, 2022.

Approved:

Katie Rosenberg, Mayor

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

RESOLUTION OF THE WAUSAU WATER WORKS COMMISSION

Resolution Declaring Official Intent to Reimburse Expenditures from the Clean Water Fund Program for the Rehabilitation of the Cherry Street and Crocker Street Lift Stations in Year 2024.

Committee Action:

Fiscal Impact: Reimbursement of the cost of engineering services and construction services in the amount of up to \$2.5 million.

File Number:

Date Introduced:

FISCAL IMPACT SUMMARY

COSTS	Budget Neutral	Yes ☐ No ☒	
	Included in Budget:	Yes ☐ No ☒	Budget Source:
	One-time Costs:	Yes ☒ No ☐	Amount: \$2.5 million
	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, the City of Wausau, Marathon, County, Wisconsin (the “Municipality”) wishes to undertake a project for the rehabilitation of the Cherry Street and Crocker Street lift stations in year 2024, identified as DNR No. 4138-12 (the “Project”); and

WHEREAS, the Municipality expects to finance the Project through a combination of grants, forgivable loans and/or by issuing tax-exempt bonds or promissory notes (the “Bonds”); and

WHEREAS, because the grants, forgivable loans and/or Bonds will not be issued prior to expenditure of funds on the Project, the Municipality must provide interim financing to cover costs of the Project incurred prior to receipt of the proceeds of the grants, forgivable loans and/or Bonds; and

WHEREAS, it is necessary, desirable, and in the best interests of the Municipality to advance moneys from its funds on hand on an interim basis to pay the costs of the Project until the grants, forgivable loans and/or Bonds are issued; and

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City of Wausau, that:

Section 1. Expenditure of Funds. The Municipality shall make expenditures as needed from

its funds on hand to pay the costs of the Project until the grants, forgivable loans and/or Bond proceeds become available.

Section 2. Declaration of Official Intent. The Municipality hereby officially declares its intent under Treas. Regs. Section 1.150-2 to reimburse said expenditures with proceeds of the grants, forgivable loans and/or Bonds, the principal amount of which is not expected to exceed \$2.5 million.

Section 3. Unavailability of Long-Term Funds. No funds for payment of the Project from sources other than the grants, forgivable loans and/or Bonds are, or are reasonably expected to be, reserved, allocated on a long-term basis, or otherwise set aside by the Municipality pursuant to its budget or financial policies.

Section 4. Public Availability of Official Intent Resolution. This Resolution shall be made available for public inspection at the City Clerk's office within 30 days after its approval in compliance with applicable State law governing the availability of records of official acts including Subchapter II of Chapter 19, *Wisconsin Statutes*, and shall remain available for public inspection until the grants, forgivable loans and/or Bonds are issued.

Section 5. Effective Date. This Resolution shall be effective upon its adoption and approval.

Passed and adopted this ____ day of _____, 2022.

Approved:

Katie Rosenberg, Mayor

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:

5/24/2023

2022

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	3.9146	x	420	x	8.34	=	13,709
February	3.3365	x	307	x	8.34	=	8,547
March	4.0080	x	285	x	8.34	=	9,516
April	5.0542	x	210	x	8.34	=	8,871
May	4.0352	x	234	x	8.34	=	7,875
June	3.6678	x	262	x	8.34	=	8,028
July	3.6901	x	263	x	8.34	=	8,094
August	3.9145	x	268	x	8.34	=	8,761
September	3.6352	x	271	x	8.34	=	8,202
October	3.3799	x	266	x	8.34	=	7,499
November	2.3065	x	268	x	8.34	=	5,146
December	2.2595	x	272	x	8.34	=	5,117

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: Reporting For:

5/24/2023

2022

3. Flow Meter

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

- ☒ Yes Enter last calibration date (MM/DD/YYYY)

2021-04-13

- ☐ No

If No, please explain:

New Influent Endress Hauser Mag Meters were calibrated from the factory on 4/13/2021, but not installed and placed into service until 2022. Mag meters will be recalibrated in 2023 to satisfy the 2023 DNR flow meter calibration requirement.

The new Influent Magnetic Flow Meters at the Wausau WWTF have been used for CMAR reporting since November 2022, while the temporary construction Effluent Flow Metering consisting of level over the secondary clarifier splitter box weirs have been used for effluent CMAR reporting as the Secondary Effluent Pumping System with Magnetic Flow Meters had not yet completed construction, startup and systems demonstration. At the startup of the new influent flow meters, they appeared to read low when compared to the temporary effluent flow measuring system, but then it was most evident with the startup of the Secondary Effluent Pumping System when both the influent and effluent flows are being measured thru magnetic flow meters that there was a difference. Looking at both the influent and effluent pump operation, it was determined the influent flow meters were the culprit. There was disbelief the magnetic flow meters with calibrated factory curves would not be reading correctly, until the Application Engineer not involved in the installation of the meters vetted the system to find two wires that were flipped when the meters were terminated. When properly terminated on April 27, 2023, the influent flow readings increased to be in line with the effluent flows. Donohue Engineer, Allen Howe, emailed Basin Engineer Nicholas Lindstrom, on 5/18/2023 with these findings and Nicholas Lindstrom said this will be noted and the WDNR would not be making any adjustments to the CMARs or past DMR's and to please make notes when completing the CMAR or what transpired. Nicholas thanked Allen Howe for his investigation into the matter.

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:

The City Pretreatment Coordinator used enforcement with one of the SIU's.

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

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:

5/24/2023

2022

● Yes 370,838 gallons ○ No Holding Tanks ● Yes 5,329,111 gallons ○ No Grease Traps ● Yes 399,745 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 tends to create clogging issues in the primary clarifier scum pits. Septic and Holding tank waste received hasn't caused any known problems.	
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.? ○ 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 2022	

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

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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	12	1	0	0
February	30	27	17	1	0	0
March	30	27	9	1	0	0
April	30	27	6	1	0	0
May	30	27	7	1	0	0
June	30	27	6	1	0	0
July	30	27	5	1	0	0
August	30	27	6	1	0	0
September	30	27	6	1	0	0
October	30	27	5	1	0	0
November	30	27	5	1	0	0
December	30	27	7	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

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 occurred.

2. Flow Meter Calibration

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

- ☒ Yes Enter last calibration date (MM/DD/YYYY)

2021-04-08

☐ No

If No, please explain:

New Effluent Endress Hauser Mag Meters were calibrated from the factory on 4/08/2021, but not installed and placed into service until 2022. Mag meters will be recalibrated in 2023 to satisfy the 2023 DNR flow meter calibration requirement.

3. Treatment Problems

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

No problems that threatened treatment

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?

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☐ 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:

Not that I am aware of.

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

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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	10	1	0	0
March	30	27	6	1	0	0
April	30	27	5	1	0	0
May	30	27	6	1	0	0
June	30	27	6	1	0	0
July	30	27	6	1	0	0
August	30	27	10	1	0	0
September	30	27	10	1	0	0
October	30	27	7	1	0	0
November	30	27	6	1	0	0
December	30	27	7	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	

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?

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

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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	0.498	1	0
February	1	0.885	1	0
March	1	0.546	1	0
April	1	0.668	1	0
May	1	0.711	1	0
June	1	0.852	1	0
July	1	0.402	1	0
August	1	0.630	1	0
September	1	0.802	1	0
October	1	0.470	1	0
November	1	0.329	1	0
December	1	0.324	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?

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

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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?

466.6 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?

☐ 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

0

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			<17			<20			16			4.04		0	0
Cadmium		39	85			1.13			1.28			.792			1.91		0	0
Copper		1500	4300			624			619			1098			1087		0	0
Lead		300	840			19			22			23			22		0	0
Mercury		17	57			.294			.355			.173			.984		0	0
Molybdenum	60		75			16			14			17			33	0		0
Nickel	336		420			35			36			26			31	0		0
Selenium	80		100			<15			<18			<8.32			2.8	0		0
Zinc		2800	7500			588			558			590			639		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									<24					0	0
Cadmium		39	85									.894					0	0
Copper		1500	4300									1061					0	0
Lead		300	840									26					0	0
Mercury		17	57									<1.12					0	0
Molybdenum	60		75									25				0		0
Nickel	336		420									25				0		0
Selenium	80		100									<21				0		0
Zinc		2800	7500									615					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?

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:	01/01/2022 - 03/31/2022
Density:	28,561
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:	04/01/2022 - 06/30/2022	
Density:	7,482	
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	0
Biosolids Class:	B	
Bacteria Type and Limit:	Fecal Coliform	
Sample Dates:	07/01/2022 - 09/30/2022	
Density:	50,351	
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:	10/01/2022 - 12/31/2022	
Density:	38,947	
Sample Concentration Amount:	CFU/G TS	
Requirement Met:	Yes	
Land Applied:	Yes	
Process:	Anaerobic Digestion	
Process Description:	Primary and Secondary Anaerobic digestion	
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:	03/10/2022
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	No
Limit (if applicable):	>= 38
Results (if applicable):	55.4

Outfall Number:	002
Method Date:	06/23/2022
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>= 38
Results (if applicable):	82.3

Outfall Number:	002
Method Date:	09/22/2022
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>= 38
Results (if applicable):	60.5

Outfall Number:	002
Method Date:	12/15/2022
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>= 38
Results (if applicable):	52.5

Outfall Number:	010
Method Date:	09/22/2022
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>= 38
Results (if applicable):	58.9

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Outfall Number:	010	0
Method Date:	01/19/2023	
Option Used To Satisfy Requirement:	Volatile Solids Reduction	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):	>=38	
Results (if applicable):	49.1	
5.2 Was the limit exceeded or the process criteria not met at the time of land application? o 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) o 150 - 179 days (10 Points) o 120 - 149 days (20 Points) o 90 - 119 days (30 Points) o < 90 days (40 Points) o N/A (0 Points) 6.2 If you checked N/A above, explain why. 		0
7. Issues 7.1 Describe any outstanding biosolids issues with treatment, use or overall management: No issues		

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

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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 shortages remain due to a retirement, an unexpected operator death and simply being understaffed. New staff require extensive training and it takes a great amount of time to train them to a point where they can be comfortable with all systems at the plant and take the on-call status. Could use more help/staff for: Yes, The Wastewater Utility completed a staffing needs study in 2022 and the study recommended adding five full time employees, four at the Wastewater plant and one for the Collections System. 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: Time is always a factor to complete task. The City is very fortunate that they employee very dedicated staff that are passionate in the work that they perform and take pride in doing so. We prioritize work and do the best that we can with the small staff we currently have.	
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. ☐ Excellent	

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☐ Very good ☒ Good ☐ Fair ☐ Poor Describe your rating: Staff prioritize the maintenance needed to be performed daily.	
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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

0

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)

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
- ☐ 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?

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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.	
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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:

Valerie Swanborg

Telephone:

715-261-6646

(XXX) XXX-XXXX

E-Mail Address
(optional):

Valerie.Swanborg@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:

2022

● 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., CWFPP 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:

2022

● 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

\$ 2,224,072.01

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

\$ 2,224,072.01

3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)

+

\$ 218,427.69

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

\$ 85,537.00

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year

\$ 2,356,962.70

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.

Sludge screens= \$11,665.00, Laser-Flo Meter= \$20,198.00 and Chem-Scan Orthophosphate Analyzers= \$53,674.00

3.3 What amount should be in your Replacement Fund? \$ 2,152,683.84

Please note: If you had a CFWP 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 Lift Station	\$200,000	2023
2	Sewer Sliplining (annual)	\$425,000	2022
3	Crocker St. Lift Station	\$200,000	2024
4	Lift Station Forcemain Cleaning	\$200,000	2022
5	Interceptor Line MH Reconstruction	\$750,000	2021
6	Airport Lift Station Bar Screen	\$300,000	2020
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	Industrial Park LS Pump Addition	\$400,000	2020
11	Greenwood Hills Lift Station	\$250,000	2023

5. Financial Management General Comments

No comments

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

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

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COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations:

	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	40,761	258
February	40,427	167
March	38,512	150
April	42,513	142
May	35,141	113
June	26,255	45
July	22,174	34
August	18,538	26
September	19,771	28
October	20,956	26
November	20,603	30
December	30,100	107
Total	355,751	1,126
Average	29,646	94

6.1.2 Comments:

No Comments

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:

No Comments

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

☒ No

☐ Yes

Year:

By Whom:

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Describe and Comment:

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?

Two Lift Station upgrades planned annually until all lift stations pumps, control panels, VFD's, flow metering, floats and transducers have all been upgraded.

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	285,360	121.35	2,352	424.98	671	24,926
February	279,000	93.42	2,987	239.32	1,166	22,175
March	309,600	124.25	2,492	295.00	1,049	22,797
April	340,200	151.63	2,244	266.13	1,278	24,356
May	531,600	125.09	4,250	244.13	2,178	14,376
June	361,200	110.03	3,283	240.84	1,500	7,078
July	565,200	114.39	4,941	250.91	2,253	6,308
August	273,600	121.35	2,255	271.59	1,007	2,198
September	300,600	109.06	2,756	246.06	1,222	3,238
October	327,000	104.78	3,121	232.47	1,407	6,240
November	290,400	69.20	4,197	154.38	1,881	12,386
December	274,200	70.04	3,915	158.63	1,729	22,134
Total	4,137,960	1,314.59		3,024.44		168,212
Average	344,830	109.55	3,233	252.04	1,445	14,018

7.1.2 Comments:

All New Processes were placed in service in 2022

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

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- ☒ Nitrification
- ☒ SCADA System
- ☒ UV Disinfection
- ☒ Variable Speed Drives
- ☐ Other:

7.2.2 Comments:

No Comments

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 upgrade: New step-screens and energy efficient lighting.

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:

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Describe and Comment:	

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:

Finalize specs for gravity main and manhole rehabilitation, maintain the Collection System to avoid sewer backups and blockages.

Pigging and cleaning of the Industrial Park Forcemain and televised.

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) 2009-09-06

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

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- ☒ Up-to-date sewer system map
- ☒ 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 Management 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	58.18	% of system/year
Root removal	6	% of system/year
Flow monitoring	0	% of system/year
Smoke testing	0	% of system/year
Sewer line televising	11.8	% of system/year
Manhole inspections	17.9	% of system/year
Lift station O&M	25	# per L.S./year
Manhole rehabilitation	0.8	% of manholes rehabbed
Mainline rehabilitation	0.4	% of sewer lines rehabbed
Private sewer inspections		

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Private sewer I/I removal	0	% of system/year
River or water crossings	0	% of private services
	9.2	% of pipe crossings evaluated or maintained
Please include additional comments about your sanitary sewer collection system below:		
Washington Street Syphon evaluated for replacement in 2022 and scheduled for replacement in 2023-2024. Flushed lines for maintenance.		

3. Performance Indicators

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

32.34	Total actual amount of precipitation last year in inches
32.41	Annual average precipitation (for your location)
232.06	Miles of sanitary sewer
25	Number of lift stations
1	Number of lift station failures
3	Number of sewer pipe failures
7	Number of basement backup occurrences
50	Number of complaints
3.6	Average daily flow in MGD (if available)
	Peak monthly flow in MGD (if available)
	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

0.04	Lift station failures (failures/year)
0.01	Sewer pipe failures (pipe failures/sewer mile/yr)
0.00	Sanitary sewer overflows (number/sewer mile/yr)
0.03	Basement backups (number/sewer mile)
0.22	Complaints (number/sewer mile)
0.0	Peaking factor ratio (Peak Monthly:Annual Daily Avg)
0.0	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
0 8/1/2022 8:10:00 AM - 8/1/2022 8:50:00 AM	7113 Stewart Avenue	Equipment Failure	50

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

What actions were taken, or are underway, to reduce or eliminate SSO or TFO occurrences in the future?

Problematic areas are identified and action is taken to resolve areas of concern that may cause potential SSOs or TFOs.

5. Infiltration / Inflow (I/I)

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

☐ Yes

☒ No

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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: No noticeable changes.	
5.4 What is being done to address infiltration/inflow in your collection system? manhole inspections, sewer televising of mains to identify problematic areas of concern.	

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:

2023-06-06

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)

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 2022 Compliance Maintenance Annual Report for the Wastewater Plant

Committee Action:

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

Resolution Number:

Date Introduced: June 6, 2023

FISCAL IMPACT SUMMARY

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

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 2020 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 2020 CMAR; now therefore

BE IT RESOLVED that the Common Council of the City of Wausau has reviewed the attached 2022 Compliance Maintenance Annual Report from Wausau Water Works – Wastewater Division and hereby submits the Report as prescribed.

Approved:

Katie Rosenberg, Mayor