



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, September 6th, 2022.

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

AGENDA

1. Approve Minutes of August 2nd 2022 Meeting.
2. Director's Report on Utility Operations
 - Wages and Staffing Update
 - Drinking Water Facility Construction Update
 - Solar Array Meeting Update
 - Lead Service Lines Update
 - Lead Service Line Replacement Program Update (Private/Homeowner's Side)
 - Drinking Water Staff Maintenance Operations
 - Drinking Water- Optimal Corrosion Control Treatment (OCCT) Study Update
 - Wastewater Facility Construction Update
 - Wastewater Lift Station Upgrade Project Update
 - Wastewater Interceptor Sewer Lining/Rehab Project Update
 - Wastewater Collection System Technician (Sewer Maintainer) Position- Vacant
 - Wastewater Plant Operations Technician Position- Filled
 - Wastewater: Challenges of Hiring/Training New Staff
 - Wastewater New Equipment Installed
 - Wastewater Staff Demo of Camera Trucks
3. Presentation by Donohue on the Pilot Study Outcomes to Date.
4. Discussion and Possible Action Continuing the PFAS Treatment Pilot Study.
5. Discussion and Possible Action on 2023-2027 Capital Improvement Projects.
6. Discussion and Possible Action on a 5-Year Sanitary Sewer Agreement with the Town of Stettin.
7. Discussion and Possible Action Amending WMC 13.62.020 Definitions for Pretreatment Authorized Representative.
8. Discussion and Possible Action on Change in Scope and Costs with Wood's Professional Services Contract.

Adjourn.

Next meeting scheduled for **October 4th 2022 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: September 1st, 2022 at 2:55 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) 261-6590 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 August 2nd, 2022

A meeting of the Wausau Water Works Commission was called to order at 1:30 p.m. in City Hall on Tuesday, August 2nd, 2022. In compliance with Wisconsin Statutes, this meeting was posted and receipted for by the Wausau Daily Herald on July 28, 2022.

Members Present: President Rosenberg, Commissioners Herbst, Gehin, Robinson

Others Present: Eric Lindman, Scott Boers, Ben Brooks, Anne Jacobson, Allen Wesolowski, Stephen Opatik/ Becher-Hoppe, Susan Wojtkiewicz/Donohue

Via WebEx: Evan Thomas/Wood

1) Approve Minutes of July 12th 2022 Meeting.

Herbst motioned to approve minutes. Seconded by Gehin.

Motion carried 4-0.

2) Director's Report on Utility Operations.

Robinson questioned the higher take rate on the Lead Service Lines.

Boers replied that everyone was concerned about the possible mandatory ordinance from watching the Commission meetings or from neighbors talking about it and people are asking when they call about it.

Director's Report Placed on File.

3) Discussion and Possible Action Approving a Minimum COLA of 3% for the 2023 Budget.

Lindman began over the past year, wages have been coming back to the Commission. We have talked about it at ten separate commission meetings over the past 12-months but no action is ever taken. A meeting was held with Finance, HR and Mayor and a proposed cost of living of 3% is being proposed for the 2023 budget that would be a step in the right direction for our employees to try and close the gap and get our staff competitive with other municipalities. The market study being done in 2023 may have a large gap once it comes to the City Council for approval and we might be told that we can't afford it again, so we would be right back to where we were in 2018-2019.

Robinson questioned if we needed 17 steps in the pay scale and stressed that we need to be able to position ourselves and have a long-term strategy and if we were looking to be at market level or above market level and costs.

Boers reiterated the importance of acting now because a 3% COLA seems like a slap in the face because they are showing anywhere from \$1 to \$12 behind and we are going to give them .60 or .70 cents 6 months from now. What is going to happen is that we will fall out of DNR compliance, water outages, or boil water orders, we need to move faster than this. We are doing staffing need assessments but we need to add wage assessments.

Gehin agreed that we need to do something because staff needs to know that we are serious about this. Minimally increase at 3% but I'd like to motion a 5% but I want to be realistic, we

could do another increment halfway through the year. Motion died on floor.

Herbst questioned Boers what level staff should be?

Boers replied that we are 19th largest in the State, we should be at or above that. We should be attracting employees and not losing them to smaller communities around us like Merrill, Schofield and Rothschild. We shouldn't be the training facility.

Gehin wanted staff to know we are serious about this and can't act on our own, maybe staff can get information from the smaller communities and continue to have this on the Agenda.

Brooks added that he liked the 3% approach, but it has been a challenge since he came on. If we lose those skilled operators that are training, we will be in big trouble.

Lindman emphasized the City moves slow, every 5 years for a market study. The Commission, (through State Statue) has the authority to do this, the City Council permits the Commission to take quicker action. If the City does not advance wages consistently between market study's to increase wage rates we will continue to fall behind and lose skilled staff, then the market study will once again be determined by the city to be unaffordable. The utility is at high risk currently and if wages to not begin to increase then we will be back to this situation where Commission needs to decide on wages separate from the City. We have not been making progress on this, there are additional significant wage increases that need to happen over the next year.

Rosenberg stated this discussion will need to happen at the City's HR and Finance Committee meeting and any other affected Committees.

Robinson motioned to approve minimum of 3% COLA for the 2023 Budget and begin to develop a budgeting strategy on how to accommodate increases going forward. Seconded by Herbst.

Motion carried 4-0.

4) Discussion and Possible Action Continuing the Ongoing Pilot Study with Modifications for PFAS Treatment.

Lindman began that we are still collecting very important data from the pilot study and upon discussions with DNR and Engineering, staff is recommending we continue the pilot study. We need the continuation of the pilot study to gather better data to determine life-cycle costs and media life expectancy for the new treatment facility.

Robinson questioned the significance of continuing the pilot study along with the funding source and if we would be monitoring for PFAS with the new system.

Lindman replied the continuation of the pilot study will show breakthrough with current media and we would understand the breakthrough timelines as we move forward. This would help us determine the life-cycle cost. We can't have accurate lifecycle cost without adequate data. It would give us the knowledge and timeline on what we need to budget for the activated carbon.

Boers stated if the knowledge of when breakthrough occurs saves us 6 samplings for PFAS it will pay for the \$30,000 pilot study. If we could skip a sample every month for the first 6 months, it will pay for itself. We are stepping over dollars to pick up pennies. With the lead lag set up, it would be robust, we wouldn't have to double monitor but we wouldn't know short chain breakthrough and the pilot would help us determine this timeline and then DNR would allow us to reduce sampling later. This would be our system so we are not sure DNR would be interested in funding this.

Lindman stated he would like to keep the pilot study going for at least a month and continue to pursue funding. The data that we are collecting would be important in the long run. We could also look at other costs that we could mitigate and bring back some options for that. We could have conversations with Wood, Donohue, Beecher Hoppe and others with the service agreements we currently have in place.

Clarification in minutes: The Pilot Study contract is between the City and Donohue & Associates.

Gehin motioned to continue the pilot study. Seconded by Herbst.

Robinson motioned to amend the pilot study continuation extension for one month while we review the alternative funding sources. Seconded by Gehin.

Motion carried 4-0.

5) Discussion and Possible Action Establishing a Policy for Budgeting Water/Sewer Costs for Subdivision Development and Recovering Costs in the Future Through Connection Fees as Established in the Wausau Municipal Code.

Lindman began that there are 3 subdivision developers that came to us. They wanted to develop within the City but the costs were too much. Currently in our subdivision ordinance, the infrastructure costs are borne by the developer. In the past Utility has extended water/sewer mains to different areas for potential development in the future, but the Utility had to carry those costs until the properties get annexed or developed and they recoup those costs through connection fees established in the ordinance. Would the Commission be open to take a look at a concept where the Utility upfronts the cost for water/sewer main with the thought that they would have to carry those costs until those communities are developed property by property and a connection fee is billed back on each property. The disadvantage would be that we would have to budget that and borrow the money until those properties are developed. We haven't had a subdivision within the City since early 2000's. When subdivisions get developed on the outskirts of the City, we will see those when their septic and wells fail, they would want water/sewer. We could look at this in depth if it's something at the commission is willing to consider in the future and may require a municipal code change which we will discuss with Legal.

Gehin questioned the size of the sites.

Wesolowski replied one of the sites were Fountain Hills, they couldn't extend some of those services for sewer/water, there's about 40 lots in there. Up on 48th Ave and one over by Eastbay, looking for assistance to annex that in, that one was about an 80 acres subdivision. He decided he was going to go with the Town for septic and wells after hearing there would be no cost sharing with the City.

Gehin stated he is supportive of staff looking into this but if we participate, we need a time frame so we can gain on the property quicker so they don't sit on the lot. Like a 10-year payback type of incentive.

Robinson stated the City has a housing task force and questioned if there was a way for them to be the conduit and the way we approach developers, road, park, utility policy and how we get those developed.

Rosenberg recapped that we do not have to vote but we all agree that we would want more information.

No Action Taken.

6) Discussion and Possible Action Approving a 5-year Sewer Agreement with the Town of Stettin.

Gehin began that he remembered the Town of Stettin had about 600 homes and businesses annexed to the City and lions share of the Sanitary district was now in the City and the remnant had to be the responsibility of the City. We should do more research before we work out an agreement. I was led to believe all the infrastructure was our responsibility and not the Towns.

Lindman replied, these home are billed directly, we bill Schofield and then they bill their residents directly. This is where they City bills the town residents connected to our sanitary directly. We have a DNR audit this month and this came up.

Rosenberg questioned if this would come before us again.

Jacobsen replied we had one with Schofield and we have one with Stettin which was signed 1/15/1968 and is still ongoing but this will supersede that one to bring a lot of it up to date. This first term is through 12/31/2026, then combining with Schofield and then it would run the same period of renewal of 5 years. We will investigate for changes if need be and bring it back.

No Action Taken.

7) Adjourn.

Motion to adjourn by Robinson. Seconded by Herbst.

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 – August 2022

Wages and Staffing Update: See Attached.

WATER DIVISION

1. Drinking Water Treatment Facility Update: See Attached.

2. Solar Array Meetings Update:

As requested by the commission, an onsite meeting was held with the adjacent residents to 1010 Bugbee Ave, location of the proposed solar array. The majority of the residents do not want any solar array placed on this property and they did not want anything done with the property unless it was a park or something similar the public may use. The comments made by the residents were the same/similar as have been made at the previous two PIM's. The idea of solar is still a proven concept and will reduce the utilities electricity bill and will reduce operation costs and in turn help minimize future rate increases. A third PIM is being scheduled for later September and a formal presentation will be provided to the commission at the October meeting for a decision to move forward and pursue this project. This is a very beneficial project for the utility and the customers of the utility, this is long term planning and will be positive. This is change for the community and this will be the first solar array the city moves forward, being the first is never easy but it means leading into the future. Staff understands this challenge, and this is why we continue to have conversations with the neighborhood, knowing we will not get consensus from them for this project. The PIM presentation will have a broad overview of the benefits of the project as well as answer some of the same questions brought up again at the neighborhood meeting. At the October Commission meeting there will be more technical information presented and life cycle and pay back

costs will be presented in more detail with the information we have and assumptions for power usage.

3. Lead Service Lines Update:

The LSL replacement plan is moving forward and we anticipate a draft plan in the coming weeks. The inventory as well as setting up the priority replacement areas in the community is an ongoing intensive effort from city staff as well as the consultant. The Lead and Copper Rule Amendments become enforceable in October 2024 so we are on track to begin implementing this LSLRP prior to those rules being enforceable. Staff will be coming forward in the coming months with a discussion for a mandatory replacement ordinance along with a plan for rolling this change out to the public. The LSLRP will also establish a long range plan for removing all of the lead lines in the distribution system. This plan will have many facets to it and will include increasing staffing levels, public outreach, public facing progress reports, and multiyear plumbing contracts in order to manage this plan over the next 15 years.

4. Lead Service Line Replacement Program (Private/Homeowner's Side) Update:

Funding for Private LSL replacements for year 2022 has been exhausted. Staff has requested additional funding from WDNR but will not know for some time if funds are available. Last month, ARPA funding was approved in the amount of \$200,000.00 so replacements could be continued. The use of the ARPA funds will only be necessary if additional WDNR funding does not become available.

5. Staff is struggling to maintain operations and perform required maintenance. It is very unlikely programs like valve turning and uni-directional flushing, which are required by WDNR, will be completed this year.

6. CCT Study Update: See Attached.

WASTEWATER DIVISION

1. Wastewater Facility Construction Update: See Attached. The Wastewater Treatment Plant is operating well and is discharging a quality effluent.

2. Lift Station Upgrade Project Update:

Flow testing has been completed at five of the six stations to include Northwestern, Greenwood Hills, Cherry Street, Crocker Street and 32nd Ave. Airport Lift Station drawdown testing will commence soon. Design of the Northwestern and Greenwood Hills stations are underway and currently coordinating improvements with Greenwood Hills golf course staff. Preliminary site plans have been developed for the other four lift stations and a kickoff meeting is scheduled for September 8, 2022 to discuss the improvements at these sites.

3. Interceptor Sewer Lining/Rehab Project Update:

Project design and estimates are taking longer than anticipated due to the following. The City has not performed larger diameter interceptor CIPP Lining projects such as this and staff are currently gathering information needed in order to proceed with a project of this caliber. Manhole rehab has not been a primary focus in the past and in order for manhole rehabilitation to commence, rehab specifications need to be reviewed specifically for this project.

Most of the interceptor sewer mains and manholes have been identified selected for this project, and most field work has been completed. Collections Systems Supervisor Ryan Dwelly, recently met with a main line and manhole rehabilitation company to assess manholes associated with the rehab project. Manhole rehab methods chosen can vary with the style of each, as well as the degree of deterioration. A specific rehab method needs to be determined yet for each.

4. Collection System Technician (Sewer Maintainer): One position remains vacant. A candidate was interviewed on August 19, 2022 but did not meet requirements. Advertising for this position commenced again on August 24, 2022 and closes September 12, 2022. Staff are hopeful to receive qualified candidates.
5. Wastewater Plant Operations Technician: All positions have been filled.
6. Hiring and training of new staff continue to be a challenge for the utility. These positions 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. New Wastewater equipment has been installed and awaiting full start up on the new dryer and disc filters. Veolia Dryer start up, training, and performance testing has been postponed until further notice due to malfunction of injection hoses. Kruger Disk Filter start up, training, and performance testing has been rescheduled for the week of September 12, 2022. Start-ups and training have been delayed because of the availability of vendor staff and other reasons outside the control of wastewater staff.
8. Collection System staff have been demoing various manufactures of camera trucks to select the truck that best fits the needs of the Utility. Supporting computer software demoing will take place in September 2022. Staff will finalize their decision once computer software demoing has been completed.



TO: Wausau Waterworks Commission

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

DATE: September 6, 2022

SUBJECT: Staffing/Wages – Fiscal Impact Scenarios and Increases

Included and attached are the documents from HR and finance noting the disparities over the years with the lack of pay raises, minimal cost of living allowances and the fiscal impacts currently being presented to the council for consideration. This information outlines how far behind we are in maintaining wages for employees which is directly related to the utility lack of staffing.

We have seen around the country how lack of staffing has affected operations, most recently in Jackson Mississippi where lack of staffing has played a significant role in unsafe water and is playing out in national news.

Fiscal impacts have been prepared for cost of living adjustments (COLA). For each COLA this is an across the board increase for all employees, these types of increases adjust the entire wage scale by the percentage indicated. The wage scale is a 17-step scale and Step 8 is when an employee will reach market. Here is an example, you will see with a COLA that each step within the scale increases by the designated percent:

Current Pay Scale - Pay Grade 19 (Collection System technician & Distribution technician)																
Min	each step is 3% increase						Mid	each step is 1.5% increase						Max		
20.47	21.08	21.72	22.37	23.04	23.74	24.45	25.18	25.56	25.95	26.34	26.73	27.13	27.54	27.96	28.38	28.66

Proposed 3% COLA - Pay Grade 19 (Collection System technician & Distribution technician)																
Min	each step is 3% increase						Mid	each step is 1.5% increase						Max		
21.09	21.72	22.37	23.04	23.73	24.45	25.18	25.94	26.33	26.73	27.13	27.54	27.95	28.37	28.80	29.23	29.52

The staffing assessment is ongoing and is being prepared by Baker Tilly. Once the assessment is completed it will be presented to the Commission for any recommended considerations. Wages will need to be addressed in order to recruit and retain employees. Wausau is the largest utility in the region and the operations are significantly more sophisticated than any other communities in the region. Wages need to be commensurate to the job skills needed and currently they are well below market.

Previous Information Presented to the Commission

Over the past year recruitment/retention and staffing issues have been on the agenda for 10 of those months for discussion by the commission. Staff has and continues to express ongoing concerns over staffing issues and wages related to recruitment and retention. Action is needed by the commission to ensure we can do everything possible to stabilize our workforce. Waiting for the city to complete their market study in 2-years will result in the continued failure of the utility to maintain staffing and skilled labor for the required work to be completed.

At the July meeting staff proposed wage increases for the utility and provided a couple different options. Since the July meeting consideration of other options were discussed with Finance, HR and the Mayor. The conversation led to proposing a minimum of 3% COLA city wide for employees to begin January 1, 2023. This COLA is proposed to go to the August 8 HR Committee meeting and then subsequent finance and council meeting for consideration.

Staff is asking for the commission to act and support a COLA of a minimum of 3% to be included in the 2023 budget and implemented on January 1, 2023. Current utility staff are being paid significantly less than other municipalities for the same job responsibilities as their peers.

It is important for the Commission to understand the proposed market study to be completed for the 2024 budget is likely to show a significant increase in the city's current pay scale. This is what happened in 2019 when the council determined the wage study was not affordable and implemented the wage study over a 3-4 year period of time and it created many pay issues; primarily compression and internal equity issues. Approving COLA's on a frequent basis will help to mitigate these types of issues moving forward.

The following is information presented at past commission meetings and also some new information as requested by the commission from the July meeting. Staff will also bring back an update to the September meeting with progress on the COLA proposed.

During past commission meetings HR and utility staff presented reasons for some employees leaving and employees either not accepting the positions or leaving the positions after hire. Here are some of the reasons that have been discussed over the past year.

1. Employees take other positions for higher wages.
2. Employees take other positions for relocating (closer to family, preferred location, etc.)
3. Employees have left due to the level of work and "culture" of the utility. The following is some clarity on what was meant by the "culture" as was presented to utility staff.
 - a. Level of work is the amount of work one individual must take on. This is extremely high compared to other utilities. Other utilities of similar size have 150-200% more staffing than Wausau.
 - b. Culture is related to the expectations of the amount of work and that routine maintenance is deferred because the utility is almost always in a state of fixing emergent issues. This becomes a high stress environment and with the staffing shortages this has been significantly increased.
 - c. Dues to shortages of staff on-call time is significantly increased and leads to burn out. This is the current culture we are living in and the culture needs to change to be successful.
4. Employees left because the job was not what they expected. High level/volume of workload, lots of on-call time, frequently not working in their field of expertise, staffing levels are too low, etc.

Over the past year the city has begun to take actions to make changes to employees benefits and wages. Approved actions by the city to date:

1. The city approved waiving wage Steps 1&2 and allowed minimum pay to start at step 3 in a 17 step pay scale. This has been in effect for 2022.
2. The city approved advancing employees (who are below mid-point) two steps a year instead of one, so they may reach midpoint sooner and help with recruitment.
3. The city approved a 2% market adjustment or COLA beginning in 2022. This is the first COLA approved in over 6-years.
4. Other non-monetary actions have also been approved; increased vacation days, ability to use vacation from day one of employment, flexible work schedule for those who have the ability to work remotely, etc.
5. During the 2022 budget approval the City approved consideration of a COLA each year during budget discussions moving forward. For 2023 it is anticipated there will be consideration for an additional COLA.

Wausau Water Works is moving forward with some actions to gather information and make some well documented and data driven decisions on the utility workforce moving forward.

These actions currently underway are as follows:

1. Baker Tilly is working on a staffing analysis for both water and wastewater. This analysis will be completed prior to the 2023 budget approval process.
2. This analysis considers staffing needs and number of employees; it does not look at or investigate wages.
3. Based on the findings of the analysis a revised organizational chart will be prepared and presented to the Commission for their review and approval for any staffing needs or impacts moving into 2023.
4. This information will also be used for consideration in the city wide market analysis expected to be completed in 2023 for 2024 implementation.

Please see wage comparisons in the table attached. The table compares the City's mid-point or market rate wage to other municipality wages with the same or very similar job descriptions. In every category Wausau is below the average of wages. Other compared wages were from the 2020 AWWA Wage Survey and from the 2021 WI Rural Water Wage Survey

Pay is not the only issue with recruitment and retention but it is one item the Commission needs to consider as an immediate action to support and help foster retention and stabilize the workforce. Not being competitive in the market puts us at great risk for losing staff to jobs outside the city.

We understand there are other items we may consider for implementation as we move forward. The critical item we need to address, first and foremost, is stabilizing our work force so we can ensure we are meeting our requirements placed on us from the WDNR. Once the workforce is stabilized, we would be able to work on items like an apprenticeship program, having seasonal help year round, reestablishing the intern program for the lab, etc.

We have looked at bringing retirees back for temporary work, and this may be an option if they are willing to come back and if there would be a contract prepared in order for this to be an option. One issue would likely be that the retirees would likely have a much higher wage per hour than our current staff which would likely create issues internally.

We also considered LTE's but the issue would be training and establishing how LTE's would be paid and terms of their employment. We currently do not have time to meet all of our daily requirements and to put time into an LTE just to see them leave and have to start over would not be time well spent when we are already short staffed and behind on routine maintenance and regulation requirements.

Comparison Chart - Wausau Current Market Rate versus Compensation Surveys & Other Utilities

City Job Title	City Current Pay (Mid-Point)	AWWA 2020 Comp Survey (Mid-Point)	AWWA 2020 Comp Survey (Average)	2021 WI Rural Water	Ave Difference of City Pay Compared to Surveys	¹ Merrill 2021 (Mid-Point)	Oshkosh 2022 (Mid-Point)	Ave Difference of City Pay Compared to Other Utilities
Water Superintendent	\$37.74	\$46.15	\$47.01	\$44.28	(\$8.07)	44.87	46.67	(\$8.03)
WW Superintendent	\$37.74	\$46.15	\$47.01	\$44.28	(\$8.07)	44.87	46.67	(\$8.03)
Water Supervisor	\$28.85	\$40.19	\$40.18	\$44.28	(\$12.70)		38.53	(\$9.68)
WW Supervisor	\$28.85	\$40.19	\$40.18	\$44.28	(\$12.70)		38.53	(\$9.68)
Water Plant Operator	\$25.77	\$31.30	\$31.77	\$29.11	(\$4.96)		28.91	(\$3.14)
WW Lab tech	\$25.77	\$39.09	\$31.77	\$29.11	(\$7.55)		28.91	(\$3.14)
Sr. Water Distr. Maintainer	\$25.77	\$29.57	\$32.93	\$29.11	(\$4.77)	28.56	28.91	(\$2.97)
Sr. WW Collection Maintainer	\$25.77	\$29.57	\$32.93	\$29.11	(\$4.77)	28.56	28.91	(\$2.97)
Sewer Maintainer	\$24.09	\$26.73	\$28.84	\$29.11	(\$4.14)	25.23	25.88	(\$1.47)
Water Maintainer	\$24.09	\$26.73	\$28.84	\$29.11	(\$4.14)	25.23	25.88	(\$1.47)
Plant Mechanic (Sewer)	\$25.77	\$28.13	\$26.96	\$29.11	(\$2.30)	25.23	28.91	(\$1.30)
Plant tech. (Water)	\$25.77	\$28.13	\$26.96	\$29.11	(\$2.30)	25.23	28.91	(\$1.30)
Admins	\$21.97	\$21.49	\$20.39	\$26.17	(\$0.71)		22.85	(\$0.88)

¹The utility also has certification pay of up to \$1.00/hour

Human Resource Committee Packet

August 8, 2022

Agenda Item
Discussion and possible action granting \$1000 one time lump non-base building market adjustment for designated employees.
Background
In October of 2021, the Human Resources staff presented several recruitment and retention initiatives. Two levels of recommendations were discussed, including initiatives that could be implemented immediately and those to be considered in the 2022 budget. One item identified for consideration in the 2022 budget is a lump sum increase for non-represented employees who are at or over midpoint. The Human Resources department identified 101 employees who will be at or over midpoint in 2021. Recruitment and retention efforts are currently focusing on non-represented employees, who have not received cost-of-living increases while the City was funding the implementation of the wage study. The Human Resources and Finance departments compared a flat rate lump sum payment against a lump sum equivalent to 1% of an employee's base pay. A lump sum of \$1000 is greater than 1% of employee pay for all but 8 of our highest paid employees (mostly department directors). For some employees, \$1000 represents a pay increase of nearly 2%. This amount would be prorated for part time employees. At the December 14, 2021, Common Council, the Common Council referred this to go back to Human Resources Committee.
Fiscal Impact
\$101,000
Staff Recommendation
Approve one time lump sum non-base market adjustment for non-represented employees at or above midpoint on December 31, 2021, to be implemented in 2022.
Staff contact: Anne Keenan (715-261-6632)

NON-REPRESENTED LUMP SUM NON-BASE BUILDING MARKET ADJUSTMENT

DISCUSSION AND POSSIBLE ACTION APPROVING A ONE-TIME LUMP SUM NON-BASE
BUILDING MARKET ADJUSTMENT TO DESIGNATED NON-REPRESENTED EMPLOYEES

THE HR DEPARTMENT WAS TASKED WITH ADDRESSING RECRUITMENT AND RETENTION CONCERNS ARISING FROM CURRENT LABOR MARKET CONDITIONS

- One large recruitment and retention concern identified is the amount of time it takes a non-represented employee to reach midpoint of the salary scale
 - A non-represented employee who starts at the minimum starting salary reaches midpoint after 8-9 years, and reaches maximum pay after 17-21 years
 - Under the 2022 budget, time to midpoint for non-represented employees was addressed. However, this created a retention concern for employees above midpoint, who were unaffected by this adjustment.
 - This employee group (non-represented above midpoint) also experienced delayed implementation of the 2019 wage study; they are receiving full implementation of the 2019 wage study in the 2022 budget.

- The lump sum being considered today was not intended as a pandemic hardship or hazard pay.
- Those items would be a separate initiative, which staff can investigate for future consideration but are not agenzized for discussion today.
- The lump sum adjustment is also identified for one market group only, non-represented employees, and is a retention effort for employees who are experiencing market pressures but aren't impacted by the step system adjustment.

- Represented employees align with their markets (i.e. Police officer to Police Officer) during contract negotiations which are anticipated to be held next year.
 - Police and Fire contracts are valid through 2022, and the Transit contract expires June 30, 2022.
 - HR and Metro management are in discussions with the Transit union to adjust their pay schedule to address significant recruitment issues; this was done previously under the last contract.
 - Other recruitment and retention efforts such as the increase in vacation time also do not apply to represented employees and are subject to contract negotiation.

THE CITY HAS HISTORICALLY APPROACHED REPRESENTED AND NON-REPRESENTED MARKETS SEPARATELY

COST OF LIVING INCREASES

Cost of Living Increases		
2022		Notes
Police Union	3%	midyear split
Fire Union	2.5%	midyear split
Transit Union	2%	
Non-Represented	2%	
2021		Notes
Police Union	3%	midyear split
Fire Union	2%	3% LT
Transit Union	2%	
Non-Represented	0%	
2020		Notes
Police Union	2.5%	midyear split
Fire Union	2.5%	
Transit Union	3%	5.6% Operator I
Non-Represented	0	
2019		Notes
Police Union	2.5%	midyear split
Fire Union	2.5%	midyear split
Transit Union	2%	midyear split
Non-Represented	0	

STEP INCREASES OVER 3 YEARS

Total Step Increases (3 year period)	
Police Officer	18.7%
Firefighter	12.6%
Bus Operator	22.50%
Non-Represented	9%

THE CITY HAS HISTORICALLY APPROACHED REPRESENTED AND NON-REPRESENTED MARKETS SEPARATELY

- From 2019-2022, a new hire who started at minimum received the following total base pay increase:
 - Police Officer: 29.7%
 - Firefighter: 22.1%
 - Bus Operator: 31.5%
 - Non-Represented: 11%
- If the City wishes to consider cross-market alignment, the benefits will need to flow both ways with non-represented employees receiving commensurate benefits to represented employees.

THE PAY STRUCTURES FOR REPRESENTED AND NON-REPRESENTED EMPLOYEES IS ALSO DISTINCT

- Each pay group reaches maximum pay after different lengths of time:
 - Non-represented: 17-21 years
 - Police Officer: 6 years (less with higher education)
 - Firefighter: 10 years
 - Bus Operator: 6 years
- During last contract negotiations, all three unions negotiated a reduction in either the number of steps or the time it takes to move through steps.

THE PROPOSAL BEFORE YOU TODAY

- This is a retention bonus extended to non-represented employees whose pay structure length reflects negatively in current market, but aren't receiving a base-building adjustment to this structure in 2022 (i.e. non-represented employees who are over midpoint)
- \$1,000 represents approximately 1-2% of an employee's annual salary, with lower-paid employees receiving a larger % impact

THE PROPOSAL BEFORE YOU TODAY

- Why an adjustment?
 - Non-base building reduces ongoing costs
 - Eligible for non-reoccurring funding sources
- FLSA Discretionary adjustments
 - Discretionary adjustments are not eligible for inclusion in overtime calculations
 - To remain compliant with FLSA Discretionary Adjustments regulations, this should be issued as soon as practicable after approval and cannot be contingent upon items like attendance, production or other goals.

THE PROPOSAL BEFORE YOU TODAY

Questions?

Human Resource Committee Packet

August 8, 2022

Agenda Item
Discussion and possible action approving 2023 of a cost of living adjustment for non-represented employees.
Background
According to the Consumer Price Index for the Midwest Region's June report, the CPI-U rose to 9.1% which was an additional .9% from last month. The City granted a 2% cost of living increase in the 2022 budget for non-represented employees. The Transit union negotiated a 2% increase for 2022 and with ratification a successor agreement of an additional 2% for the second half of 2022, and a 3% split for 2023. The Police union negotiated a 3% increase for 2022, split midyear and the Fire union negotiated a 2.5% increase for 2022, split mid-year. With contracts expiring at the end of this year there are expected to be wage increases. The Human Resources Department has initiated the RFP process for a market study to align our non-represented pay structures to the existing labor market. However, that study is expected to take a minimum of 6-9 months to complete and implement. Per handbook section 5.01, Human Resources will coordinate and recommend benefits design changes annually to the Common Council through the Human Resources Committee.
Fiscal Impact
See below
Staff Recommendation
Approve a cost of living adjustment pay scales for non-represented employees of 3%
Staff contact: Anne Keenan (715-261-6632)

General Fund	285,203.31
Community Development	33,580.67
Public Access	645.72
Water	47,155.62
Sewer	26,923.23
Transit	16,812.99
Motor Pool	17,857.04
Parking	5,728.03
Animal Control	1,885.64
Other Grants Voca	2,888.82
Total	438,681.08

Step Increases after 6 years	
Police Officer	25.70%
Firefighter	22.10%
Bus Operator	42.60%
Non-Represented	18%

Cost of Living Increases		
2022		Notes
Police Union	3%	midyear split
Fire Union	2.5%	midyear split
Transit Union	4%	midyear split -tentative
Non-Represented	4%	midyear split
2021		Notes
Police Union	3%	midyear split
Fire Union	2%	3% LT
Transit Union	2%	
Non-Represented	0%	
2020		Notes
Police Union	2.5%	midyear split
Fire Union	2.5%	
Transit Union	3%	5.6% Operator I
Non-Represented	0	
2019		Notes
Police Union	2.5%	midyear split
Fire Union	2.5%	midyear split
Transit Union	2%	midyear split
Non-Represented	0	

Total Step Increases (3 year period)	
Police Officer	18.7%
Firefighter	12.6%
Bus Operator	22.50%
Non-Represented	9%

Total COLAs 2019-2022	
Police Union	11%
Fire Union	9.5%
Transit Union	9%
Non-Represented	2%

Total Increase (3 year period)	
Police	29.7%
Fire	22.1%
Transit	31.5%
Non-Rep	11%

Wausau Drinking Water Treatment Facility - Project Status

August 30, 2022

Drinking Water Treatment Facility

Contractors are using two City supply wells to run water through the new facility and continue start up / testing of equipment. Chemicals are being delivered to the plant and in the next week contractors will begin operating the treatment systems and start testing performance. Systems demonstration, where the plant systems are operated for 7 days continuously, are scheduled to begin mid-September.

Administration Building and Garage

The administration building and garage are essentially complete. Touch up work continues, and final cleaning will begin in the next few weeks. Before the building is accepted, there will be a final walkthrough completed by city staff and engineering team. City staff is planning to occupy the building once the new treatment facility is online.

Well House Improvements

Physical improvements are being completed on the final well house and should be completed by late September.

Offsite Utility Modifications

Contractors began cleaning the water main that delivers well water to the existing drinking water treatment facility. This pipe will be re-used to supply treated water to the distribution system. The pipe is being cleaned by a process called ice pigging where several tons of ice slurry is injected into the pipe and the ice scrubs loosely attached sediment off the piping. The pipe is cleaned in 500-foot increments to ensure the pipe is filled with ice.

View of the Treatment Facility and Administration Building, looking Southeast



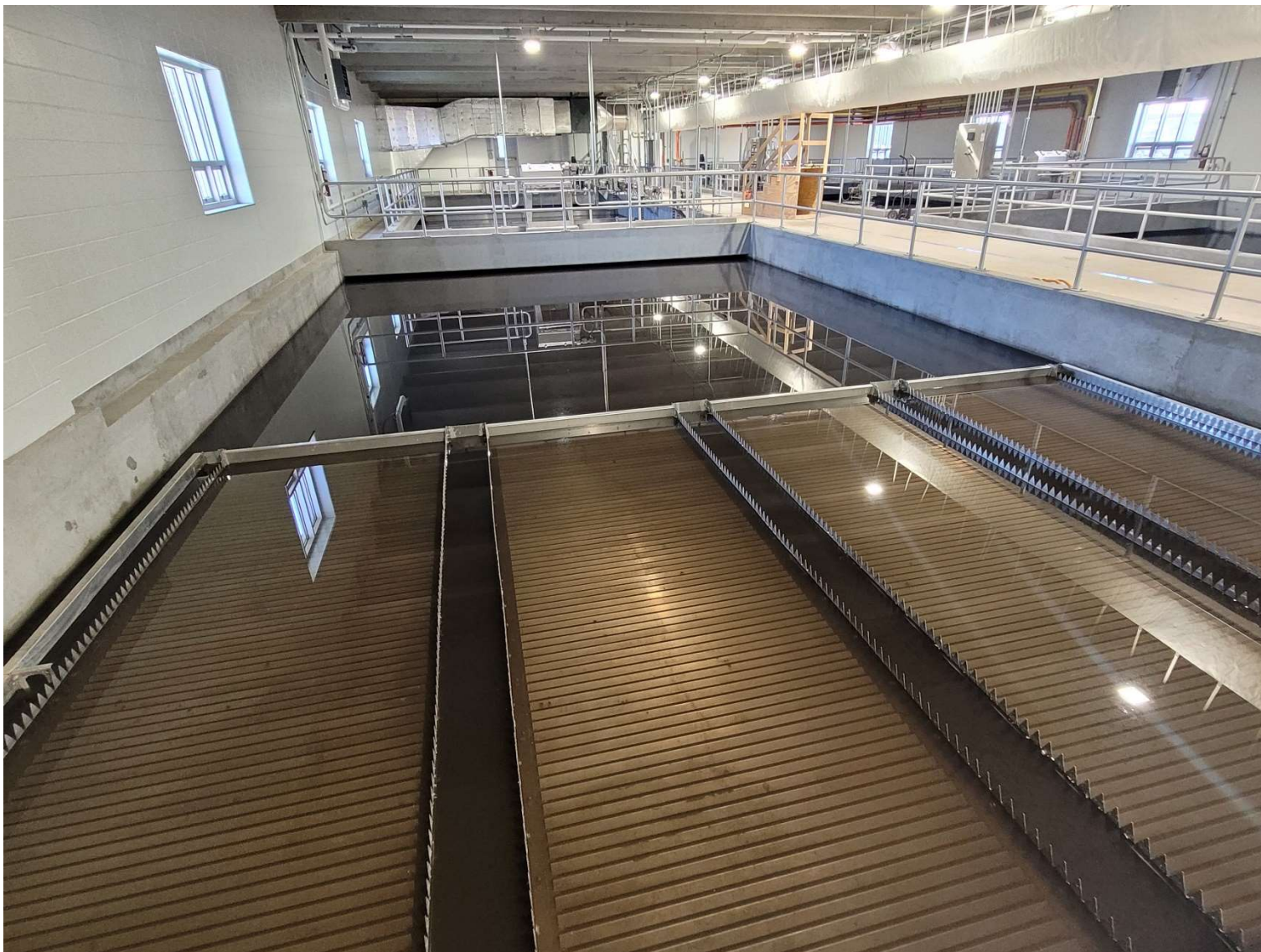
Landscaping installed along Administration Building



Water Filter in Operation



Water Treatment Process Room



Chemical storage and Dosing Testing



Well House Improvements – Elimination of Ground Level Windows & Generator Installation



Optimal Corrosion Control Treatment (OCCT) Study Update:

CDM Smith has been working with WWW on collecting and reviewing the existing raw, finished, and distribution system water quality. Lead data from Lead and Copper compliance sampling and the first round of sequential sampling (collected 3rd quarter 2022 by WWW staff) is also being reviewed. At least one lead pipe sample has been collected and sent to a third party for scale analysis, and these results are expected by the end of September.

CDM Smith will begin to map out the distribution water quality data to look for spatial trends in water quality changes. Further analysis will occur once scale analysis has been completed by the third-party lab. Once the new Plant is online (anticipated substantial completion is October 4th). CDM Smith will review the new finished and distribution system water quality. Potential process changes stemming from PFAS treatment study will also be important to review. Once this information has been collected CDM Smith can perform the required desktop and pipe loop study. Additional distribution system data may be requested after CDM Smith's review.

CDM Smith and WWW met with WDNR on August 24 to provide an update and discuss next steps and overall Study schedule. The action items from the Meeting include:

1. WDNR will work with and provide WWW monitoring requirements during the transition to the new Plant. WDNR will review same results from prior to the transition and sample results from one month, three-month, and six-month after the transition. The WDNR will also provide guidance on requirements for the monthly monitoring reports. The WDNR will have additional requirements for sampling specifically for lead and copper corrosion.
2. WDNR will review the overall Study schedule and deadline for the final report given the delay in the new Plant being online and the limited projected water quality information. A follow-up meeting with WDNR should be scheduled once they review the schedule and get back to WWW.

Regarding the initial corrosion study deadline of March 2023, with the new Plant delays, CDM Smith anticipates that an extension will be required to complete the CCT study. While WDNR could not provide a specific timeframe right now for an extension, the WDNR will consult within the organization to propose an alternative timeline. WDNR did note that because this CCT study is due to a water quality change rather than a lead exceedance, more flexibility may be possible on the deadline. March 2023 may be a status check-in.

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | July 3, 2022 – August 6, 2022

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Engineer Activities This Period

- Construction administration services related to technical review of contractor shop drawings, responding to contract interpretation questions (RFIs), initiating requests for proposals (RFPs), attending weekly and monthly construction progress meetings, processing work change directives to the contract, and contractor monthly payment requests.
- Prepared and submitted Clean Water Fund disbursement request and provided CWF administration.
- Provided full time Resident Project Representative (RPR).
- Provided part time on-site observation of selected work by Becher-Hoppe.
- Becher-Hoppe also provided input into appropriate shop drawing reviews, RFI responses, and RFP requests.
- Prepared Work Change Directives to address unforeseen work that needed to be expedited to allow the Contractor to maintain their construction scheduled progress.
- Design Team participated in weekly coordination calls to facilitate contractor startup of the various systems that are being scheduled for near-future startup, discussions pertaining to system commissioning and how all systems tie together to provide further detail to the construction schedule.
- The Engineer's application engineering staff worked on the various systems programming that will need to be completed as the new unit process systems are brought into operation.
- Donohue continued working with the WDNR and Owner to add a Class A [biosolids] outfall to the WPDES permit.
- Processed Change Orders 20 and 21.
- In Process of preparing Change Order 22 and 23.
- Preparing SOPs and Training materials. Assisting with process startups.
- Starting to issue Partial Certificates of Substantial Completion for those process systems that the Owner has begun to operate.
- Final Walk Through for Punchlist on remaining structures at the end of the month.

Engineer Near-Term Activities

- As the project proceeds, the engineer will continue to provide construction administration services including the technical review of shop drawings, responding to RFIs, preparing RFPs, attending weekly and monthly construction progress meetings, processing change orders, reviewing contractor payment requests, and providing full-time on-site resident engineering services.
- Application Engineering programming, assist with I/O and process check out.
- Continuing to prepare SOPs and assisting the Owner in the remaining process startups.

Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

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Contractor Progress to Date

- The Notice to Proceed with Construction was issued to the Contractor on June 18, 2020 and established the final completion date as June 3, 2023.
- Construction on the improvements to the Wastewater Treatment Facility (WWTF) began on July 6, 2020.
- Structure 100 (Main Building):
 - Quality Roofing installed the roofing insulation and new membrane over the raw wastewater pump room and new precast roof.
 - Miron completed necessary demolition and installed the new north truck bay equipment washdown area.
 - New roof hatches were installed in the new precast roof for the raw wastewater pump room; the old pump room interior access hatch was removed and filled in with concrete.
 - August Winter & Sons has started installation of the HVAC equipment on the roof of the raw wastewater pump room
 - Contractor continued demolition of old concrete basin in equipment/maintenance storage area.
 - Set up shoring for new floor in equipment/maintenance area.
 - Lighting and conduit were completed in old belt filter press area.
 - Van Ert Electric continued conduit demolition, pulling of wire, placement of conduit in pump and belt filter press areas.
- Structure 110 (Vehicle Storage Garage) – Construction for new septage receiving station and site entrance gate east of Structure 110 have started.
- Structure 120 (Administration Building):
 - Silt fence removed around the east and north sides of the structure.
 - Dorner Company completed training for all automated/actuated valves around the site in the new training room and at valve locations.
- Structure 200 (Grit Building)—Structure 200:
 - Final equipment/valve removal for the influent structures to Structures 310 and 320 (Primary Clarifiers 1 and 2) has been completed.
 - Miron removed concrete removal for the new influent gates which were installed by August Winter and Sons.
 - New concrete influent basin walls installed.

Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

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- Structures 310, 320, 330 and 340 (Primary Clarifiers 1, 2, 3, and 4) along with Structure 350 (Primary Effluent Channel):
 - Demolition and removal of the mechanism of Structure 320 (Primary Clarifier 2) was completed.
 - Omni Painting finished sand blasting and coating of the clarifier launder for Structure 320; additionally, Omni completed the final coating on the mechanism and access structure for the clarifier.
 - August Winter and Sons completed installation of the new mechanism for Structure 320.
 - Van Ert installed new conduit and wiring for controls and power to the new mechanism.
 - Vendor representative for Walker on site to perform torque test and startup of the new Structure 320 mechanism.
- Structure 400 (Activated Sludge Building)— New overhead door installed on the south side of structure.
- Structure 404 (Junction Box)— Structure is in operation.
- Structure 405 (Anoxic Selector Tank) and Structure 406 (Mixing Tank)— Structures are in operation.
- Structure 410 (Activated Sludge Basins)—New handrail is being installed around the basins.
- Structure 415 (Basin Drain Pump Station)— Work has been completed on the basin drain pump station.
- Structure 420 (Mixed Liquor Channel) and Structure 500 (Secondary Splitter)— Temporary effluent flow meter working well.
- Structures 510 and 520 (Secondary Clarifier 1 and 2) and Structure 515 (Secondary Scum Manhole 1)— Clarifiers in operation, no issues with new equipment.
- Structure 530 (Secondary Clarifier 3)—The clarifier has been taken out of service to allow for the installation of the return activated sludge line air release valve.
- Structure 535 (Secondary Scum Manhole 3)—This structure is in operation.

Wastewater Treatment Facility Improvements Project – Engineer During Construction

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- Structure 600 (Effluent Building) – Vendor Reps still on site for checkout and testing of Disc Filters. Secondary Effluent pumps have been running on and off during disc filter checkout.
- Structure 610 (Chemical Building) – New stainless steel fill and suction piping installed for the Magnesium Hydroxide Solution system.
- Structure 700 (Digester Building) and Structures 710, 720, 730 and 740 (Digesters 1, 2, 3 and 4): Systems operating in structure. Some issues with digester gas boilers that are being worked out with engineers and vendor.
- Structure 755 (Waste Gas Burner)— Vendor representative on site to troubleshoot operational items regarding the new flare. Issues with flare operation were resolved and flare operating as expected. Owner training was completed on the Waste Gas Burner (Flare) and Bio-Gas Safety Equipment.
- Structure 760 (Biosolids Storage Building)— Van Ert completed lighting in all of the bays; currently, work is ongoing for controls and installation of the light panel, and fire safety equipment.
- Structure 770 (Solids Building):
 - Replacement of 770-MCC-1 main breaker was completed by vendor representative and Van Ert.
 - Ongoing dryer and associated equipment training and operator shadowing provided to Owner. Veolia has been onsite to get the dryer operation tuned in.
- Structure 775 (PSD Thickener) and Structure 776 (Basin Drain Pump Station 2)—Structure 775 and 776 have been placed in service and continue to operate.
- Tunnel 900— Painting continues in tunnel with minimal amount remaining; pipe insulation being installed.
- Tunnel 910— Work in the 910 Tunnel remains idle, except for some cleanup of equipment and materials.

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

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- Site Work:
 - Curb and gutter, septage receiving and site roadway concrete work continued north of Structure 770 (Solids Building) and east of Structure 700 (Digester Building).
 - Asphalt removal, placement of road base, final grading and placement of the asphalt binder occurred on Adrian Street.
 - Replacement of two manhole castings and lids also occurred on Adrian Street.
 - Grading and seeding for new grass around Structures 404, 405, 530 and 540 (Junction Structure Anoxic Selector Tank, Secondary Clarifier 3 and Secondary Clarifier 4), has occurred.
 - Sidewalk placement between Structures 530, 540 and 420 (Secondary Clarifier 3, Secondary Clarifier 4 and Mixed Liquor Channel) has been completed.
 - Final grading work for asphalt placement around and under the waste gas storage ball, between Structures 110 and 700 (Vehicle Storage Building and Digester Building) has been completed along with the placement of the asphalt binder in this area.
 - Remaining fence was removed between Structure 100 and 110.
 - Preparation started for south side stoops at Structure 400.
- Construction progress photographs are located at the end of this progress report.

Project Status Report

Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

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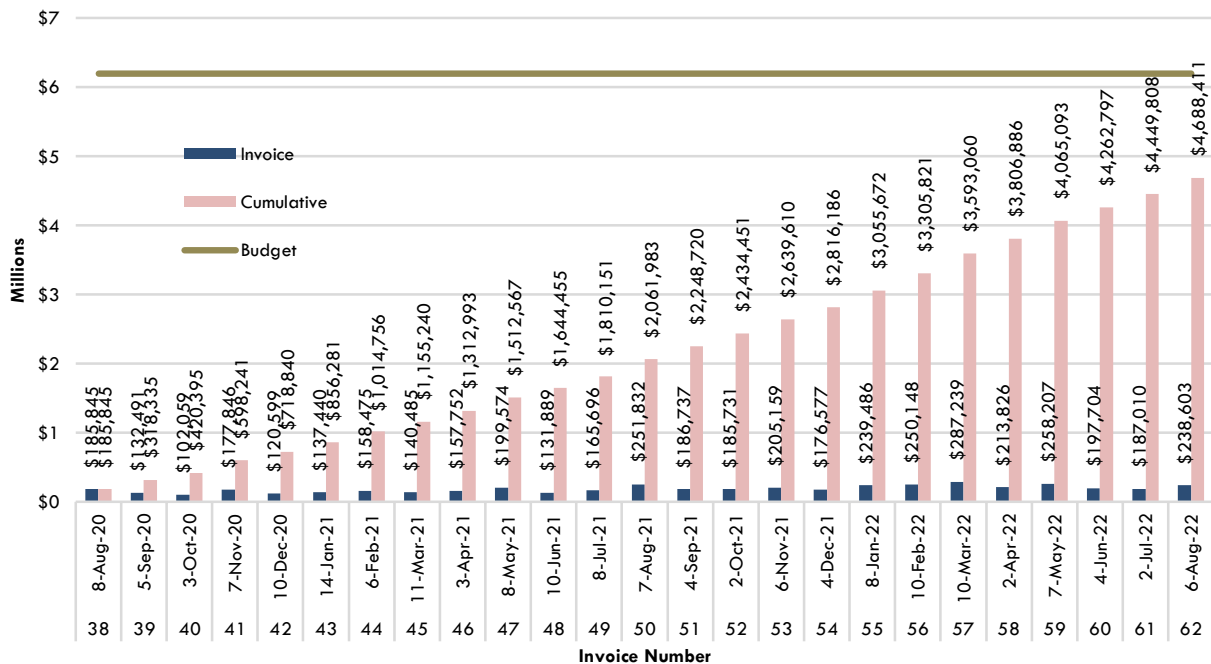
Invoice 62

Construction Schedule

- The Contractor has developed a detailed construction schedule that defines a timeline for the orderly completion of the work and a breakdown by structure of the work to be done in the various work areas. We continue to review the timeline and work tasks against the various constraints identified in the project manual to confirm that the contractor has adequately addressed them and accounted for shutdown time limits as their work proceeds.

Project Related Budget Snapshot

Construction Engineering Budget



Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

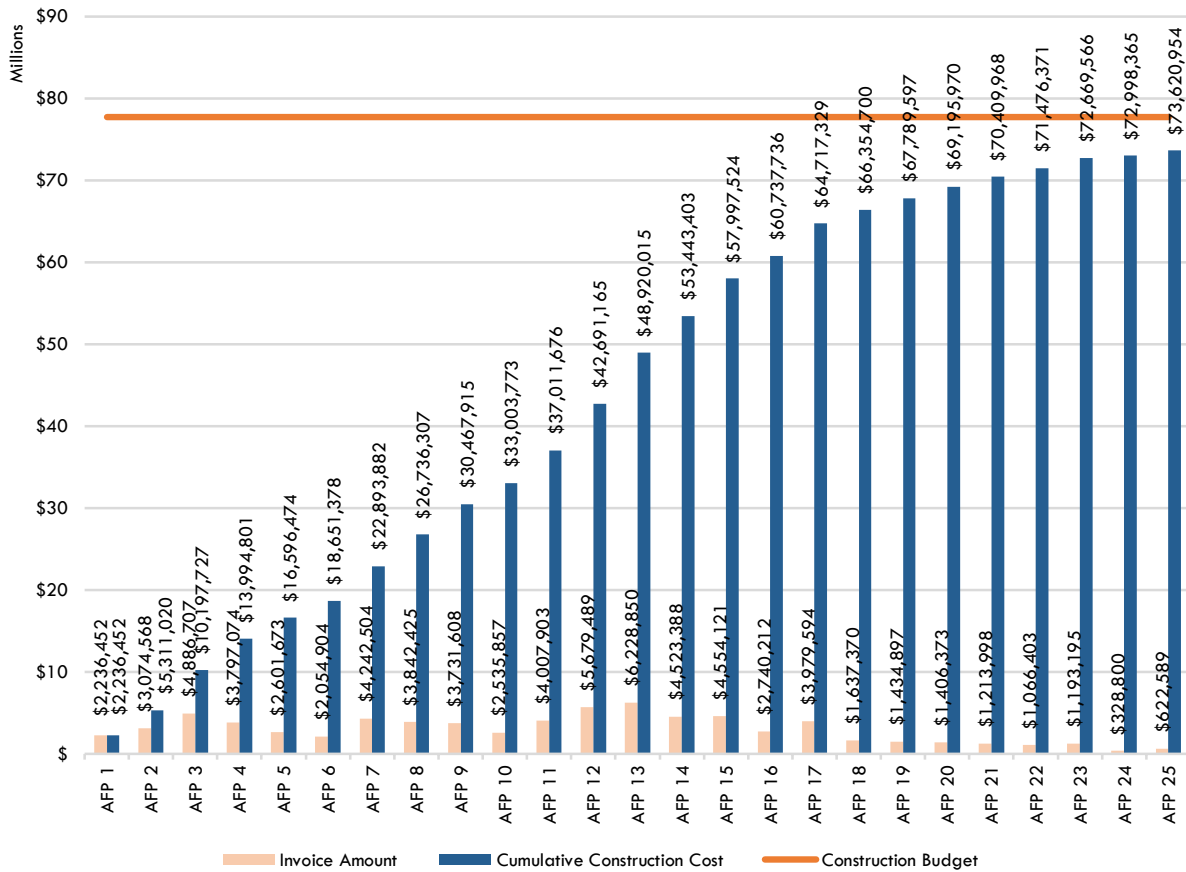
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Construction Budget: Pay Applications Approved by Engineer



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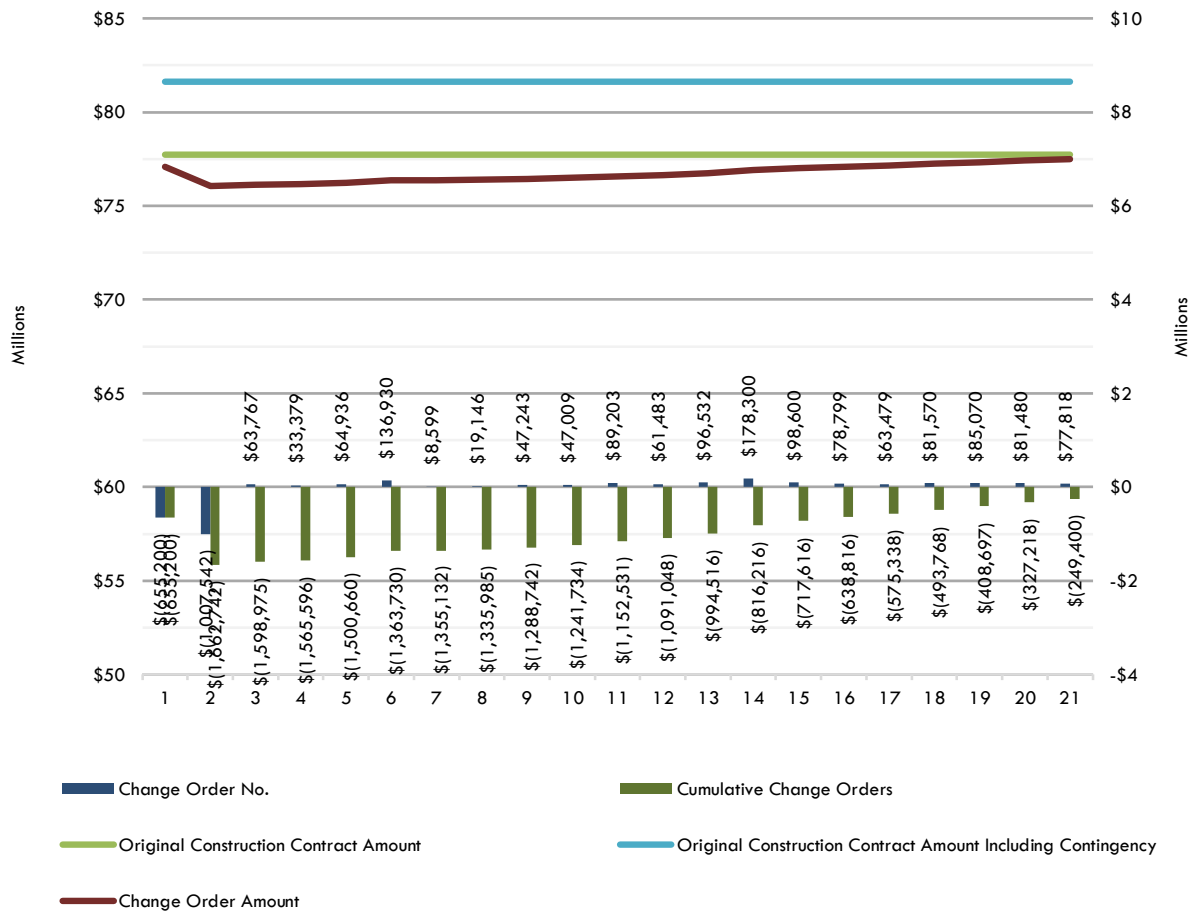
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Overall Project Budget



Budget Notes:

1. No budget issues at this time.

Remarks

1. None.

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Construction Photographs



Quality Roofing installing insulation over new precast roof for the raw wastewater pump room of Structure 100 (Main Building).



New roof hatches for raw wastewater pump room of Structure 100 (Main Building).

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Concrete work to fill in old pump room access hatch of Structure 100 (Main Building).



New roof membrane and topside view of new raw wastewater pump room access hatches of Structure 100 (Main Building).

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Finishing formwork for the new equipment wash down area in the north garage of Structure 100 (Main Building).



Concrete demolition continues in the new equipment maintenance/storage area of Structure 100 (Main Building).

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New lighting installed in existing belt filter press area of Structure 100 (Main Building).

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Structure 100 (Main Building): start of shoring and rebar for equipment/maintenance storage area floor.



Concrete pour for new primary influent walls at Structure 200 (Grit Building).

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New Structure 320 (Primary Clarifier 2) influent gate installed.

Project Status Report

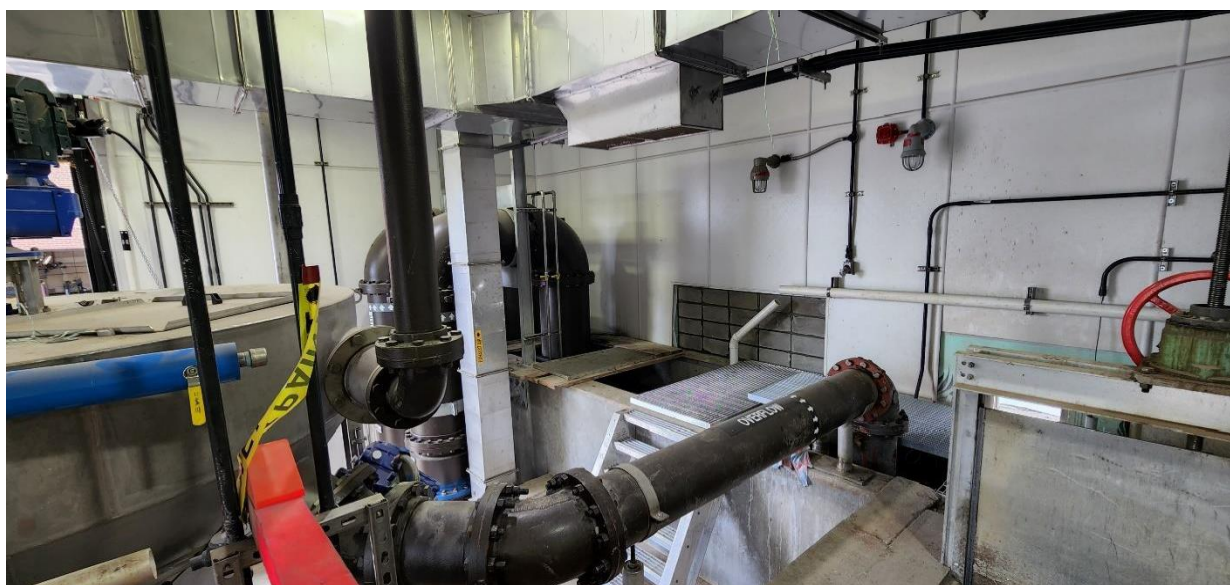
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Second raw wastewater influent pipe into Structure 200 (Grit Building) complete, block fill in of wall where bypass piping was formerly located.



R-Industries removing the old mechanism and weirs of Structure 320 (Primary Clarifier 2).

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City of Wausau, Wisconsin

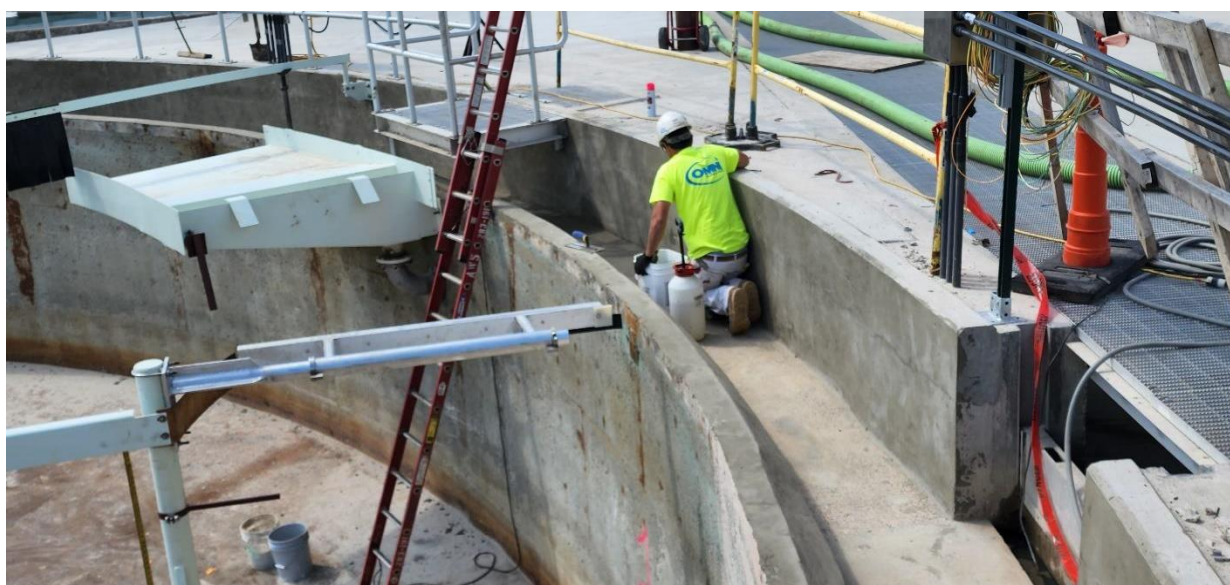
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Installation of the new mechanism for Structure 320 (Primary Clarifier 2).



Omni Painting prepping the newly sandblasted launder trough for coating application.

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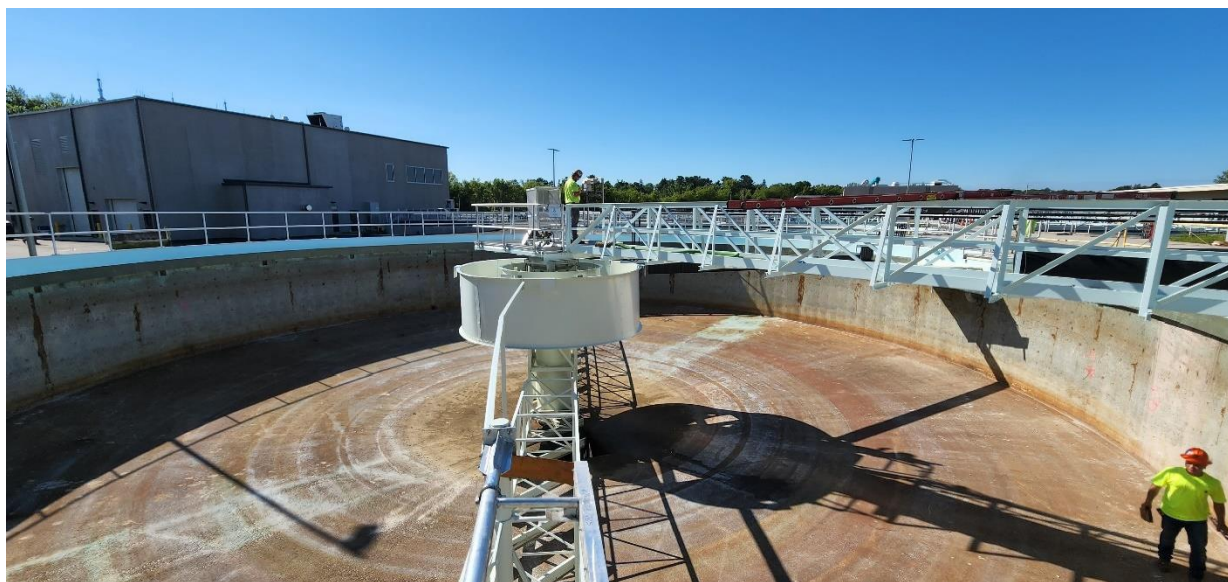
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Mechanism installed, launder trough coated for Structure 320.



Walker representative inside basin with August Winter and Sons assisting on torque test and startup of Structure 320 (Primary Clarifier 2).

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With new influent gates installed and Structure 320 (Primary Clarifier 2) complete, filling of both Structure 310 (Primary Clarifier 1) and Structure 320 can begin.



Inside view of new overhead door in Structure 400 (Activated Sludge Building).

Project Status Report

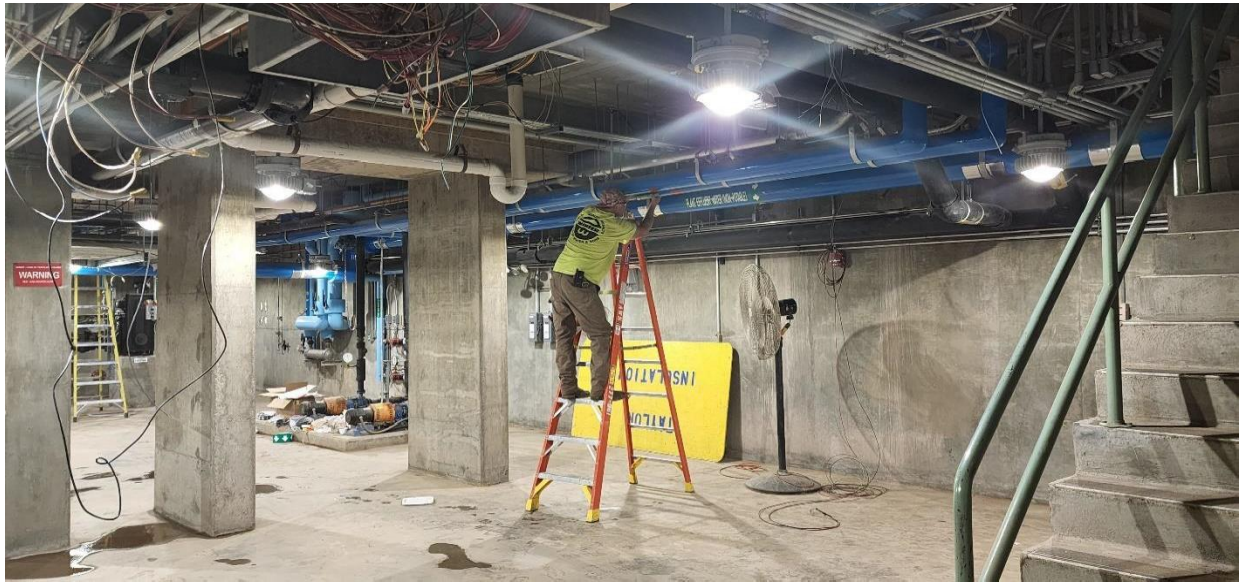
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Labeling of new piping in the lower level of Structure 400 (Activated Sludge Building). Labeling has been occurring sitewide.



Activated sludge basins in operation and working well.

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IGE installing the new RAS line air release valve.

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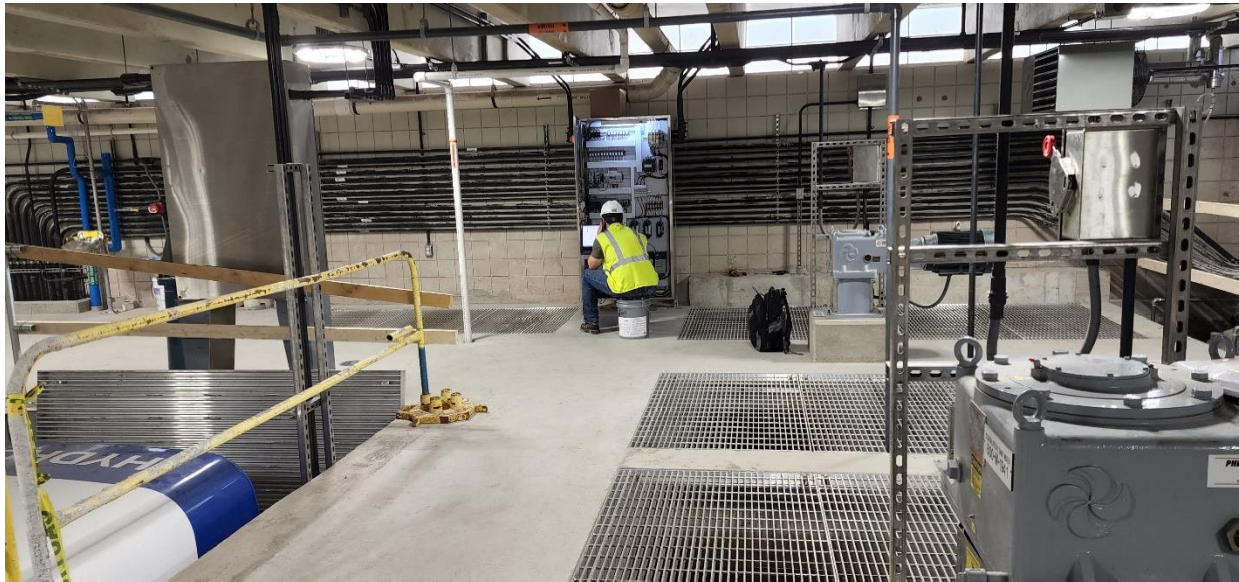
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Manufacturer representative checking out control panel for secondary effluent mix, coagulation and flocculation mixers.



Secondary effluent pump in operation, new flow meter readout at Structure 600 (Effluent Building).

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New Magnesium Hydroxide Solution (MHS) stainless fill connection piping and valves at Structure 610 (Chemical Building).

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Stainless fill piping tank connections for MHS at Structure 610 (Chemical Building).



The correct tote storage containment racks arrived for the sodium hypochlorite (SHC) System at Structure 610 (Chemical Building).

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New outlets installed in center bay of Structure 760 (Biosolids Storage Building).

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Start of conduit and junction boxes for control panel installation in the north bay Structure 760 (Biosolids Storage Building).

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Old 770-MCC-1 breaker out, new one installed with correct amperage rating.

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Modification of the viewing windows for the Sludge Screen and Thermal Oil rooms has been started.

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New fence posts set for new east access gate.



Van Ert Electric installing conduit and control wiring for new gate and access card reader.

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Concrete gate entrance mat installed.



Asphalt removal completed along Adrian Street.

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Final grading around Structure 750 (Gas Sphere).



New concrete for modified septage receiving area.

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Preparing for asphalt on Adrian Street.



New concrete sidewalk between Structure 530 (Secondary Digester 2) and Structure 420 (Mixed Liquor Channel).

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City of Wausau, Wisconsin

Donohue Project Number 13229

Period | July 3, 2022 – August 6, 2022

Invoice 62



Grading of area between Structure 500 (Secondary Splitter) and the Structures 510 and 520 (Secondary Clarifiers 1 and 2) on the southeast side of the site.



Site grading around Structures 530 and 540 (Secondary Clarifiers 3 and 4).

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | July 3, 2022 – August 6, 2022

Invoice 62



New stoops ready for concrete on south side of Structure 400 (Activated Sludge Building).



Binder course of asphalt being placed on Adrian Street.

Project Status Report

Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

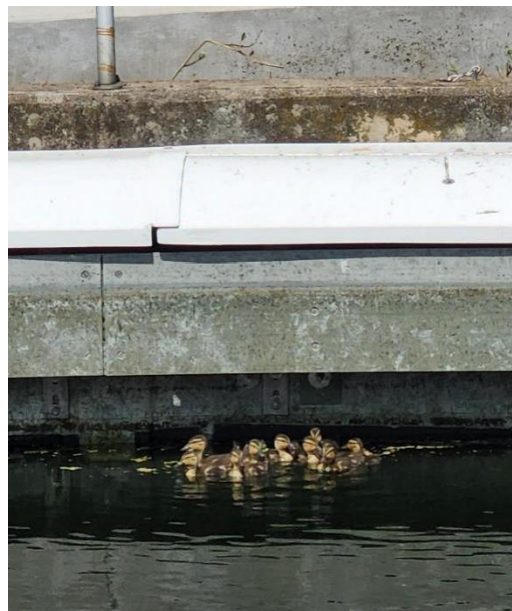
Donohue Project Number 13229

Period | July 3, 2022 – August 6, 2022

Invoice 62



Momma mallard and ducklings enjoying Structure 530 (Secondary Clarifier 3) with construction going on all around them.



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:

August 11, 2022

Donohue Project No.:

13229

Invoice No:

13229-62

Project Manager:

Mike Gerbitz

Terms:

Net 30 Days

Billing Period:

07/03/22 - 08/06/22

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	\$	9,138,646.10
Charges Previously Billed	\$	8,900,043.21
Current Charges	\$	238,602.89

Summary of Current Charges

Labor (1315.0 hours)	\$	219,285.00
Reimbursable Expenses	\$	11,938.89
Permit Review Fees	\$	-
Subconsultants	\$	7,379.00
Total	\$	238,602.89

Current Charges Due	\$	238,602.89
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Please Remit to:

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

Aged Receivables

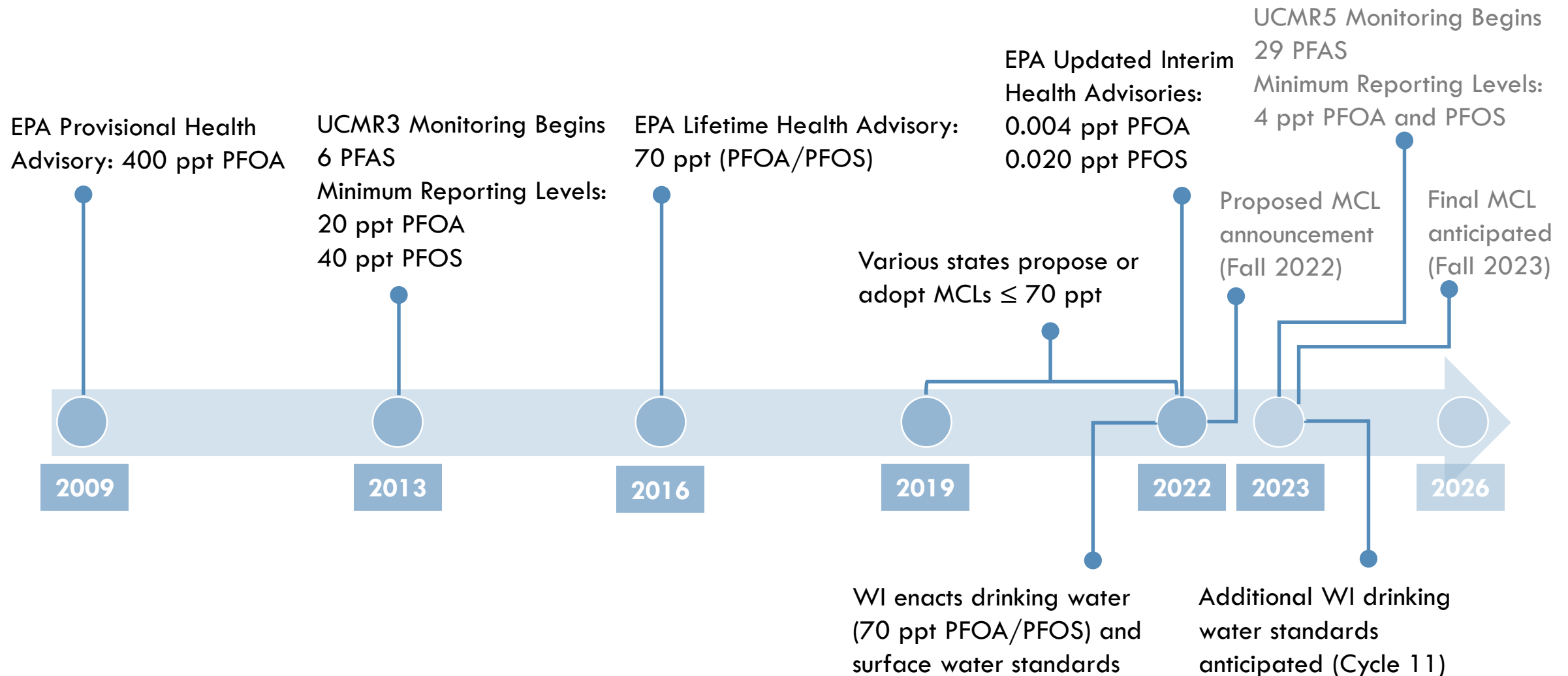
<u>Current</u>	<u>31 - 60 Days</u>	<u>61 - 90 Days</u>	<u>91 - 120 days</u>	<u>>120 days</u>
\$238,602.89	\$187,010.28	\$0.00	\$0.00	\$0.00

Wausau Water Works Commission PFAS Pilot Study Briefing



September 6, 2022

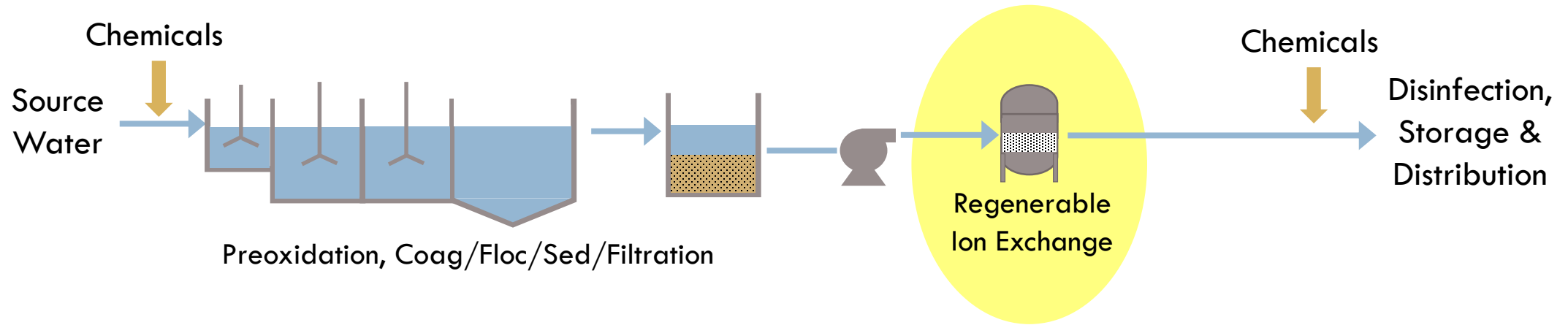
Rapidly Evolving PFAS Regulatory Landscape



Pilot Study Objectives

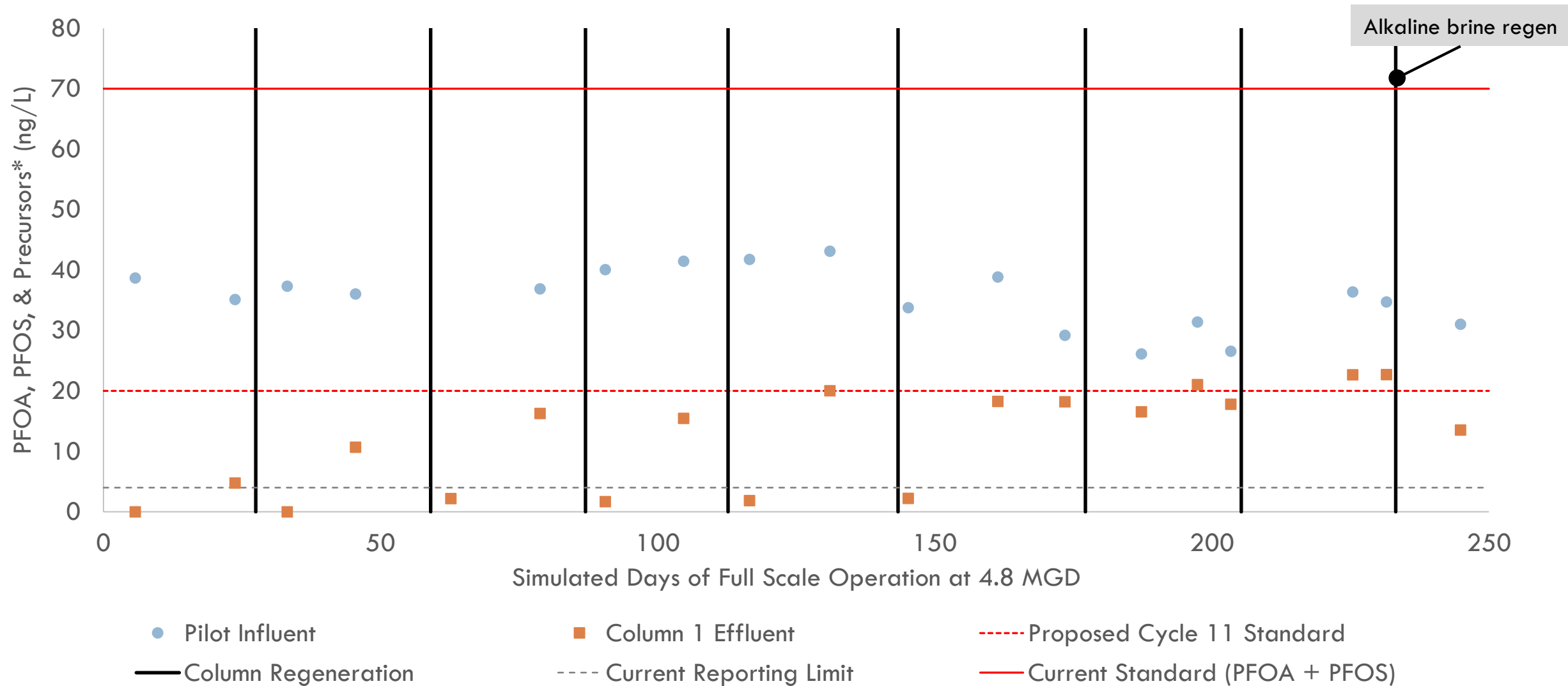
Objective	Status
1. Characterize interim PFAS removal capabilities of new DWTF that will include a regenerable ion exchange process designed for removal of natural organic matter.	✓
2. Demonstrate removal of PFAS from Wausau's water to consistently low levels using two established technologies that can be incorporated at the new DWTF.	✓
3. Characterize PFAS content of IX regeneration waste produced at new DWTF.	✓

Pilot Test Evaluated The Interim PFAS Removal Strategy: The New DWTF at Startup



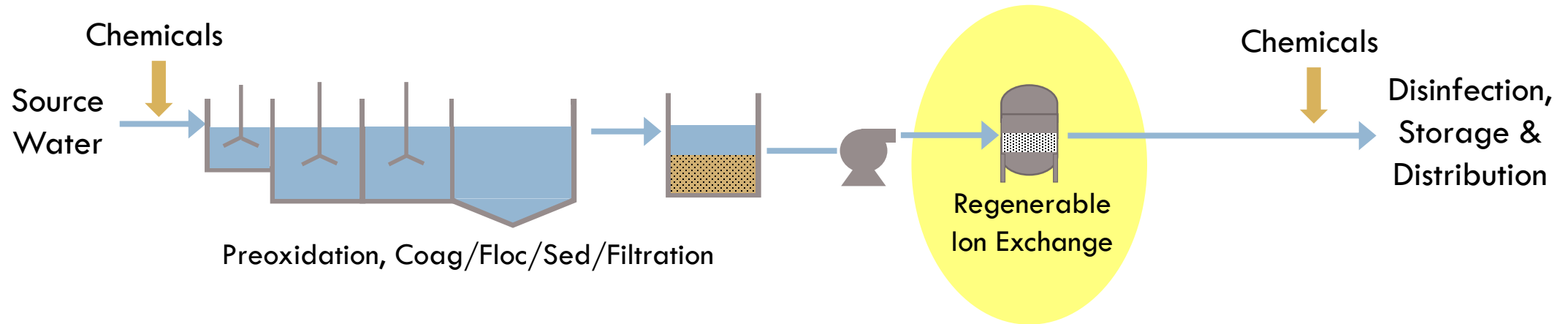
*Objective: Reduce Focus PFAS Concentrations
to an Acceptable Interim Level*

Regenerable IX Provides On-Going (but Diminishing) Reduction in PFAS Concentrations



*Sum of PFOA, PFOS, FOSA, NEtFOSA, NEtFOSAA, NEtFOSE

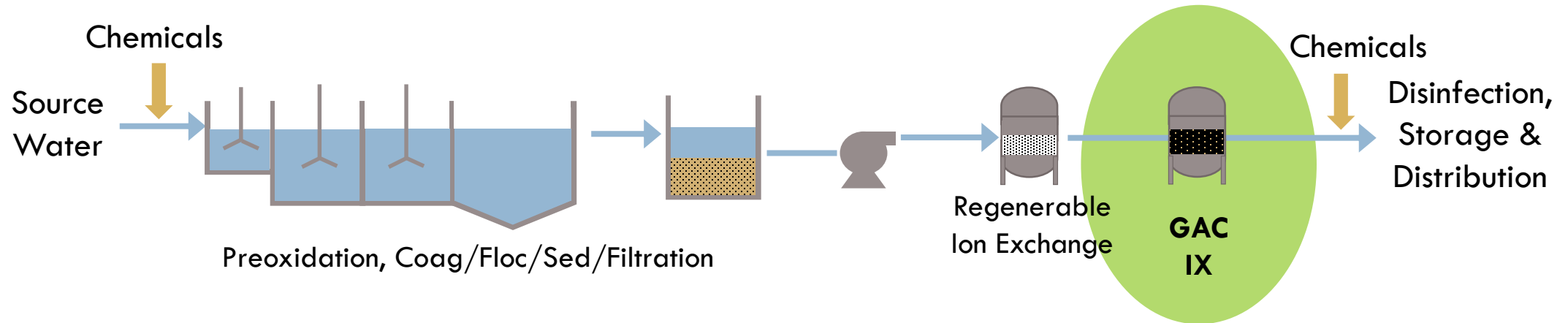
PFAS Removal Decreases Over Time



*Objective: Reduce Focus PFAS Concentrations
to an Acceptable Interim Level*

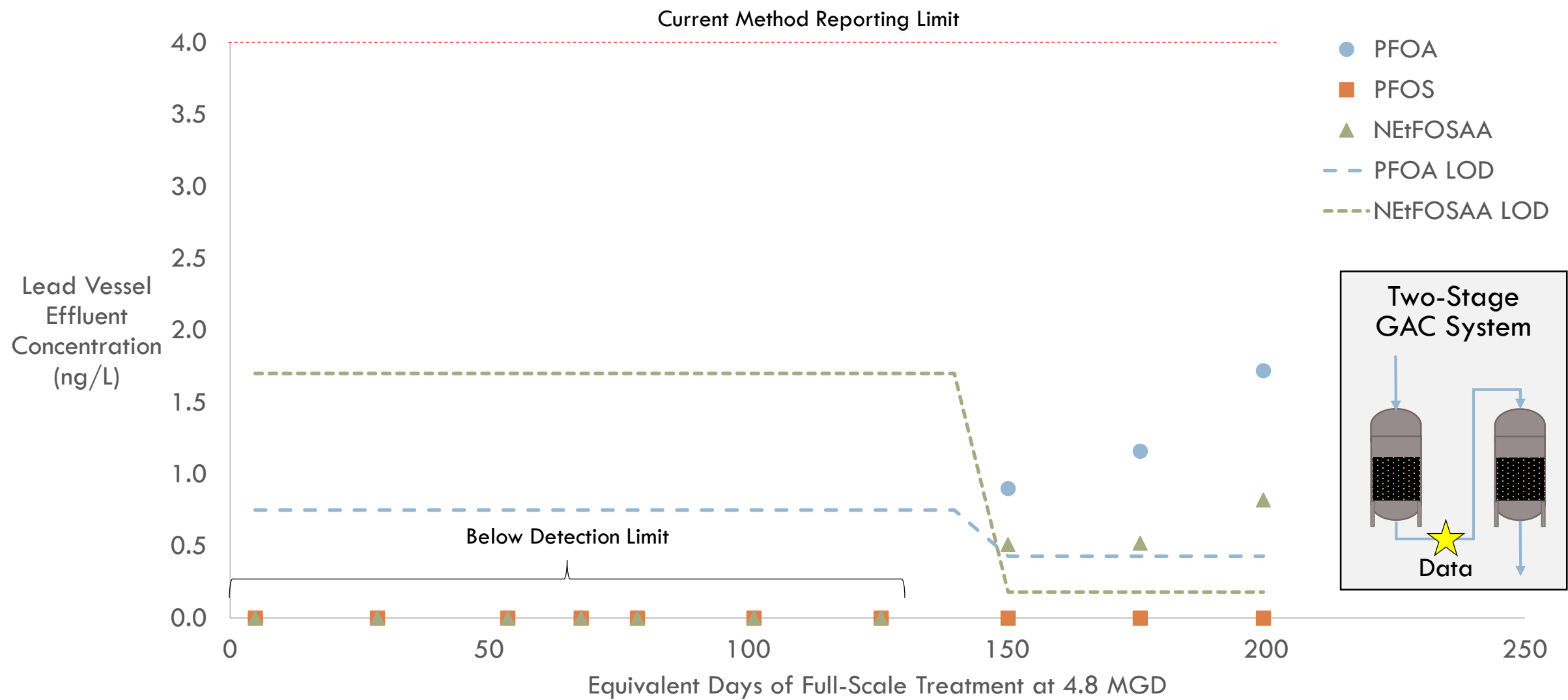
Pilot test data informs media replacement planning
(timing, budget) based on plant production trends
(volume treated) and acceptable interim concentrations.

Pilot Test Evaluated Long-Term PFAS Removal Strategies: GAC and IX

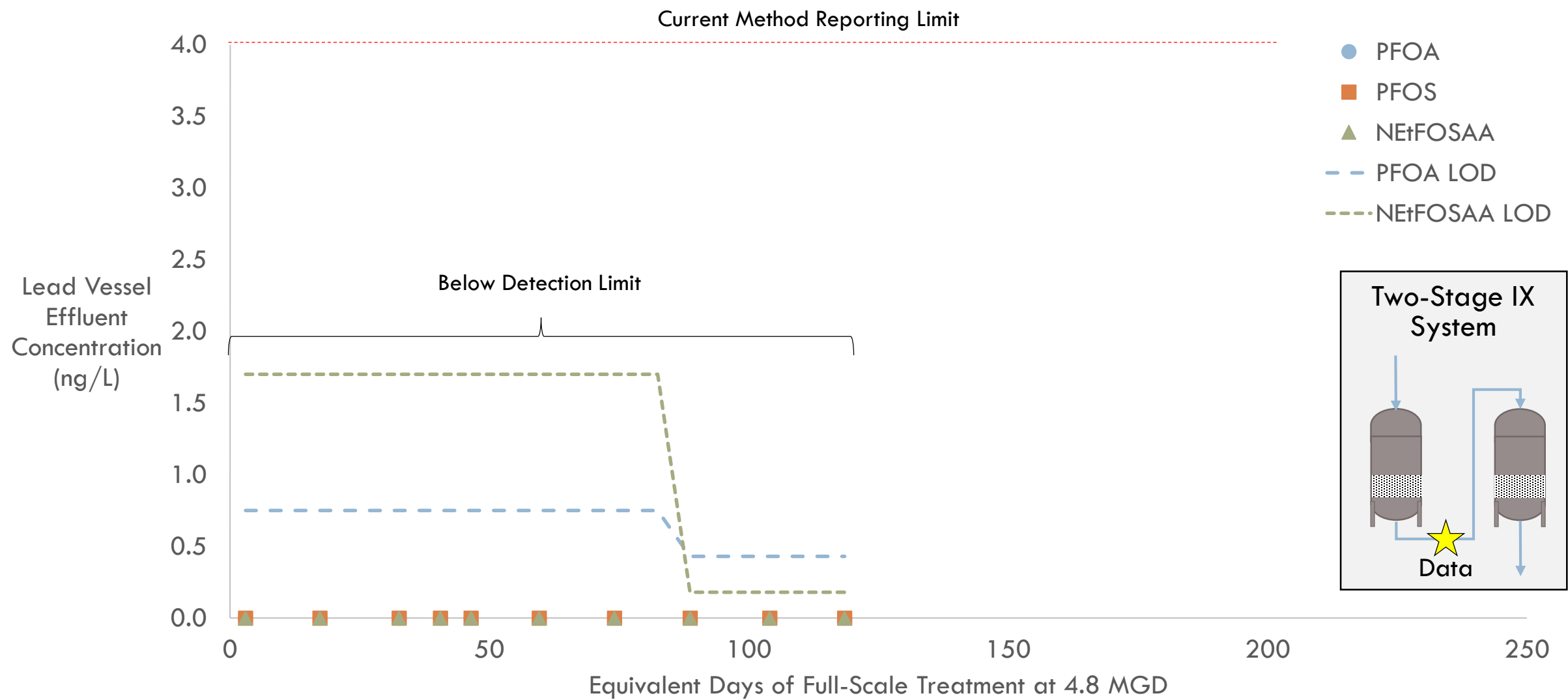


Objective: Remove PFAS to Levels Below Current and Anticipated Future Standards

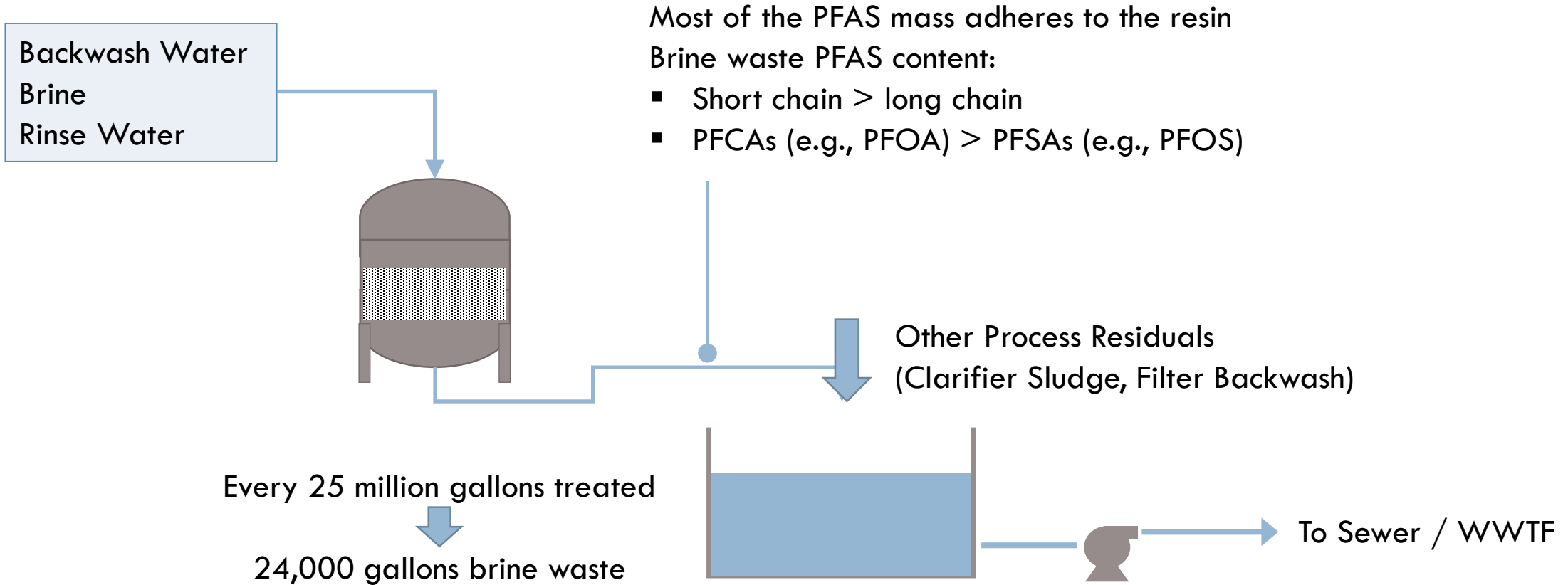
Low-Level Removal Demonstration: GAC



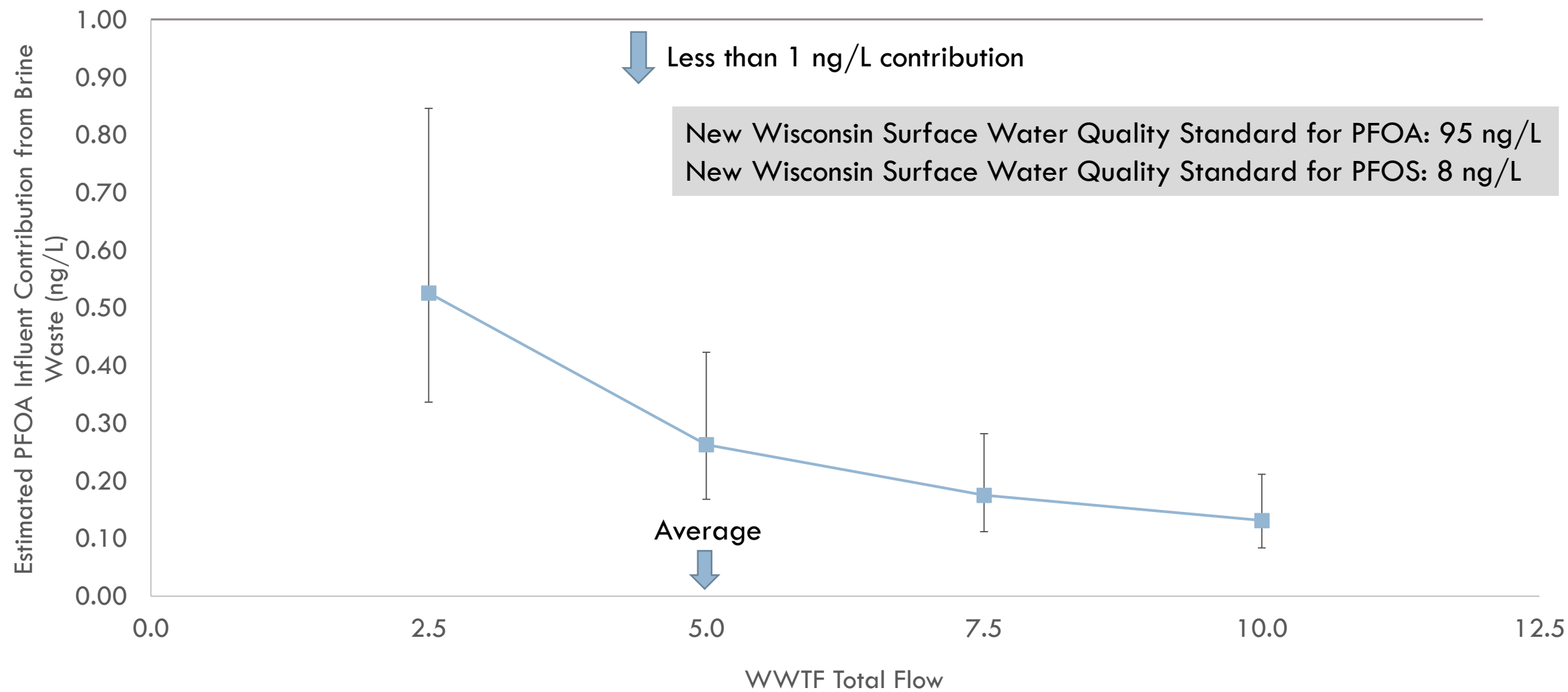
Low-Level Removal Demonstration: IX



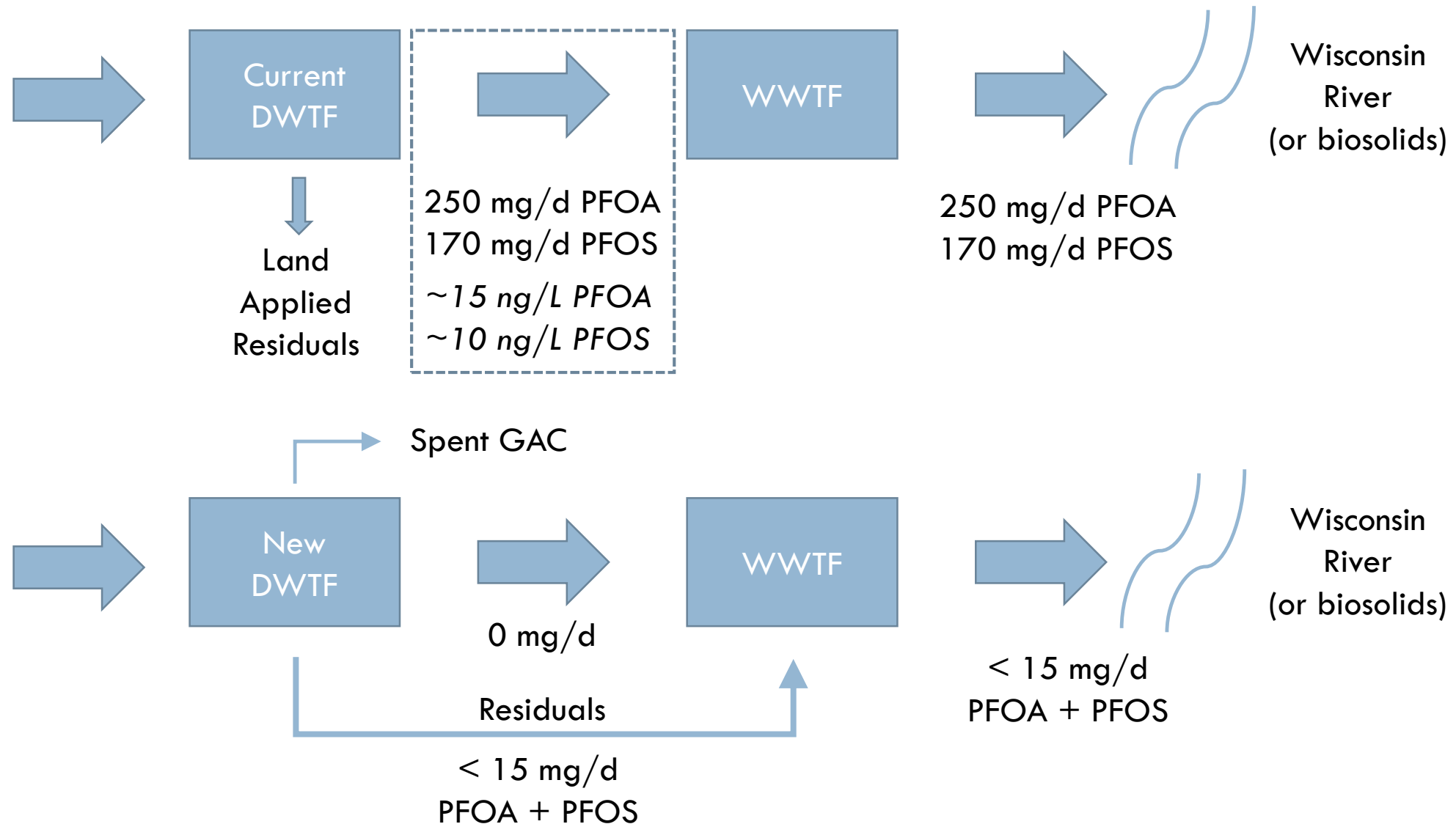
Pilot Test Helped Characterize PFAS in Brine Waste and PFAS Delivered to WWTF



Brine Waste PFOA Contribution to WWTF Well Below New Surface Water Standard



PFAS Removal at New DWTF Greatly Reduces PFAS Delivered to WWTF/Environment



Recommendations for Concluding Pilot Study

- Limit remaining analytical costs with a focus on regenerable IX and GAC only, which simulate the interim and long-term treatment strategies selected
- Conclude pilot test operation in mid September (6 months total operation)
- Analyze and incorporate data collected throughout final weeks of pilot operation
- Use the additional information characterizing PFAS removal trends with the regenerable IX process to inform budgeting for resin replacement as an interim solution for PFAS

Future Flexibility and Testing Opportunities

- Wise to design the system for GAC treatment (largest footprint and height requirements)
- GAC offers other potential benefits as a polishing treatment
- High levels of TOC in Wausau’s water are likely to result in an OPEX premium for GAC
- Pilot testing in the future could be designed for competitive evaluation of media alternatives – can adapt media used over time based on best value for treatment needs

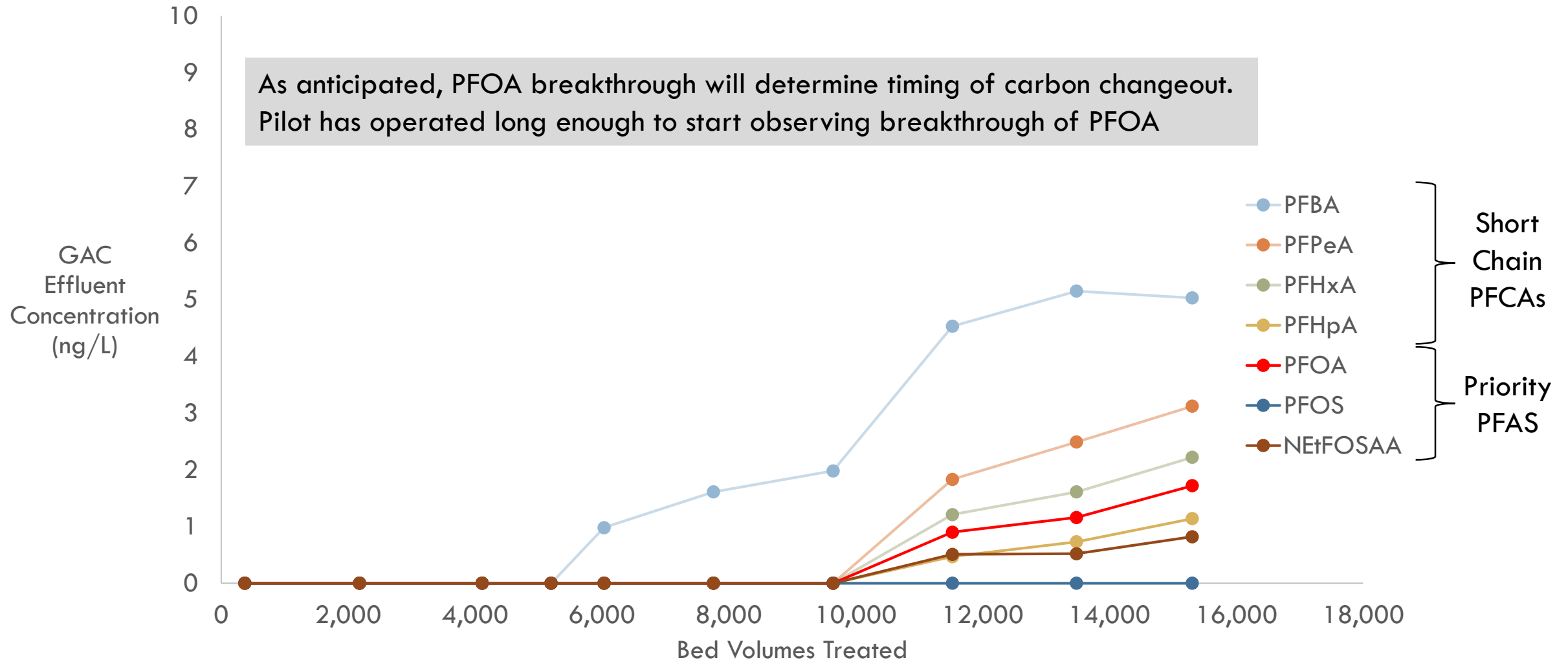
Supplemental Treatment System Designed to Accommodate Any of these Options

Consideration	GAC	IX	Novel Media
Initial PFAS Removal Capability	Excellent	Excellent	Excellent
Specificity for PFAS	Low	High	Very High
Potential for Secondary Water Quality Benefits	High	Low	Low
Life-Cycle Cost Savings Potential	Baseline	Moderate-High	Moderate-Very High

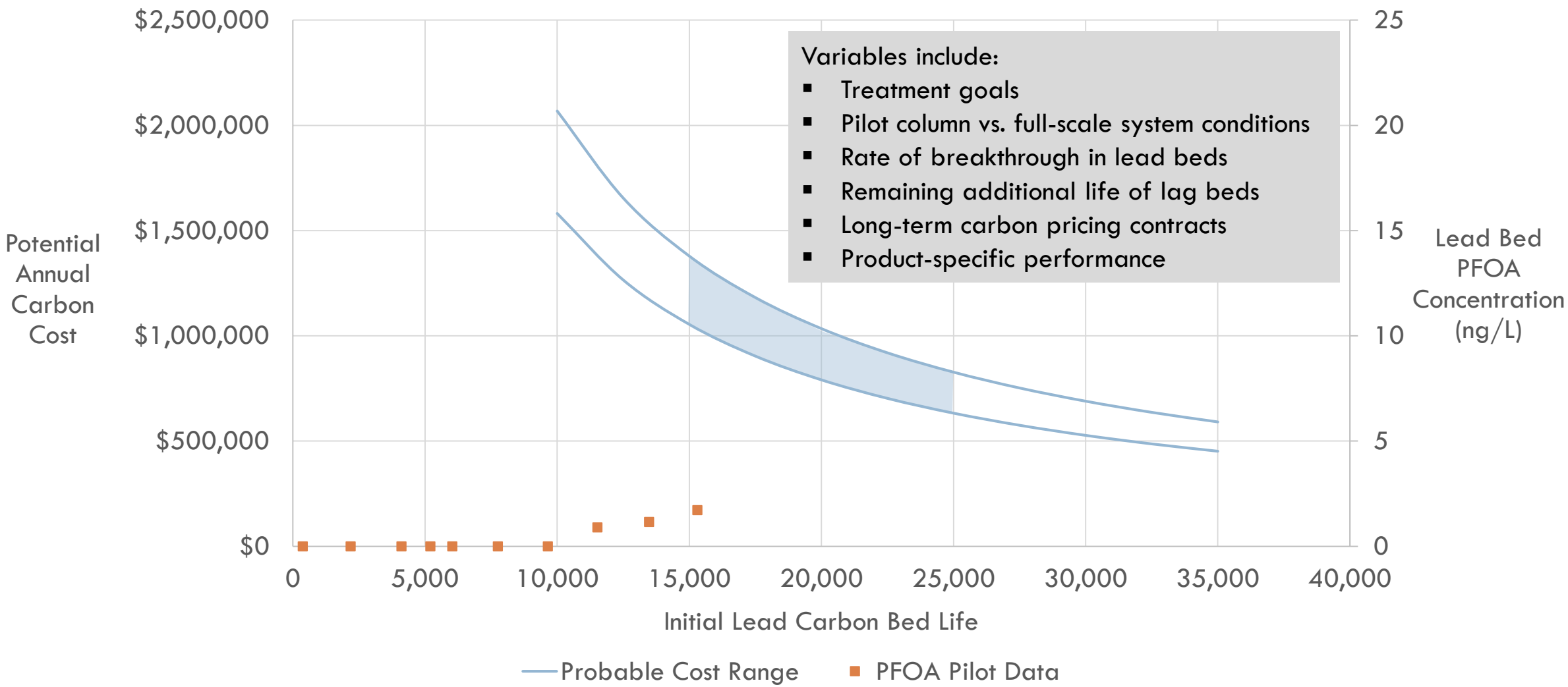
Questions & Discussion

Additional Material

Additional GAC Insights



GAC Bed Life and Cost Implications



Department of Public Works
and Utilities



Eric Lindman, P.E.

Director of Public Works and Utilities

TO: Wausau Waterworks Commission

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

DATE: September 6, 2022

SUBJECT: Pilot Study Continuation

Approval for the design of the Granulated Activated Carbon (GAC) system was approved at the July meeting without the continuation of the ongoing pilot study for PFAS treatment. The commission approved the pilot study to continue for one additional month to determine another funding source; no other source of funding has been committed.

The pilot study is an essential piece of data collection as we move forward for the following reasons:

1. The most accurate way to determine life cycle costs for PFAS treatment.
2. Provide the most accurate information on bed life and media use rates.
3. Assist the utility in determining sampling frequency with the new system. The less sampling required will be significantly less costs.
4. Cost to continue the pilot is minor compared to excessive sampling and changing out media.

Scaling back the pilot study and only keeping the GAC pilot running will reduce costs and continue to gather very critical data to help determine life cycle costs and help reduce sampling frequency/costs once the new facility is place online.

Discontinuing the pilot study now would be irresponsible and would throw away some very critical data for determining operational costs. The data collected will be used to determine our frequency of testing by the DNR as we will have a better understanding of bed life.

Staff, engineers and WDNR recommend continuing the pilot study for as long as possible and continue to gather data.

WAUSAU WATER WORKS - DRINKING WATER DIVISION		7/22/2022							
CAPITAL PLAN - CAPITAL ASSETS 2022-2027									
IMPROVEMENTS/PROJECTS	COST EST 2022-2027	FUND SOURCE	2022	2023	2024	2025	2026	2027	Comments
WATER TREATMENT PLANT									
TOWERS/ RESERVOIRS/ BOOSTER STATIONS									
GENERATOR - ONSITE (W. WAUSAU)	480,000	BORROW	240,000		240,000				
SCADA UPGRADES - BOOSTER STNS	360,000	BORROW		360,000	0				05/18/21 Moved from 2024 to 2023
MONROE BOOSTER STATION RECONSTRUCTION	560,000	BORROW			60,000	500,000			11/12/21 Moved to '24/'25
SUBTOTAL	\$1,400,000		\$240,000	\$360,000	\$300,000	\$500,000	\$0	\$0	
WELLS									
FUTURE WELL	650,000	BORROW				0	650,000		05/18/21 Moved from 2025 to 2026
SUBTOTAL	\$650,000		\$0	\$0	\$0	\$0	\$650,000	\$0	
TOOLS, SHOP AND GARAGE									
BACKHOE/ WHEELED EXCAVATOR	\$685,000	BORROW			160,000	325,000		200,000	
VACUUM TRUCK	500,000	BORROW		500,000					11/12/21 Moved up to '22
SUBTOTAL	\$1,185,000		\$0	\$500,000	\$160,000	\$325,000	\$0	\$200,000	
DISTRIBUTION/SUPPLY MAINS									
STREET PROJECTS									
4th St (McClellan St- Scott St)	30,000	BORROW	30,000						
Bugbee Ave (Burek Ave - Tiernaey Rd)	120,000	BORROW	120,000						
4th Ave (Bridge St - Knox St)	330,000	BORROW	330,000						
Emerson Street, EauClaire to Kent	20,000	BORROW			20,000				05/18/21 Moved from 2023 to 2024
Mount View Blvd., EauClaire to Kent	20,000	BORROW			20,000				05/18/21 Moved from 2023 to 2024
Pied Piper Lane, EC to Kent	40,000	BORROW			40,000				05/18/21 Moved from 2023 to 2024
Eau Claire BLVD	510,000	BORROW			510,000				05/18/21 Moved from 2023 to 2024
10th Ave (Bridge to West Wausau)	420,000	BORROW		420,000					05/18/21 Moved from 2024 to 2023
Grant St (6th St to 7th St)	100,000	BORROW		100,000					05/18/21 Moved from 2024 to 2023
Stark St (5th St- 12th St)	1,200,000	BORROW				1,200,000			
Hennrietta St (Bellis St - 13th St)	320,000	BORROW		320,000					05/18/21 Moved from 2023 to 2025
W. Randolph (Burek to Merrill)	350,000	BORROW					350,000		05/18/21 Added
S. 11th Ave (W. Thomas to Flieth)	180,000	BORROW					180,000		05/18/21 Added
North 17th Ave, Stewart to Elm	220,000	BORROW		220,000					05/18/21 Possible TID Funding
SUBTOTAL	\$3,860,000		\$480,000	\$1,060,000	\$590,000	\$1,200,000	\$530,000	\$0	
GENERAL DISTRIBUTION PROJECTS									
Stewart Ave Looping-12"-60/68 Ave.	315,000	BORROW			315,000				
Looping main Stettin Dr. Stewart to the Park	160,000	BORROW		160,000					
Looping Main Stettin Drive, 48th Ave to 52nd Ave	260,000	BORROW				260,000			05/18/21 Moved to 2025
14" WM Replace (Elm St; 14th- 17th Ave & 17th Ave; Elm St to HWY)	450,000	BORROW			450,000				11/12/21 Moved to 2024
LSL Replacements (Public Side)	1,800,000	BORROW	300,000	300,000	300,000	300,000	300,000	300,000	05/18/21 Increase to \$300k annually
14" WM Extension Bugbee & Campus	550,000	BORROW	550,000						05/18/21 ARPA or IIJA funding?
Misc Extensions	0	BORROW							
SUBTOTAL	\$3,535,000		\$850,000	\$460,000	\$1,065,000	\$560,000	\$300,000	\$300,000	
TOTAL CAPITAL	\$10,630,000		\$1,570,000	\$2,380,000	\$2,115,000	\$2,585,000	\$1,480,000	\$500,000	
CUMULITIVE CAPITAL			\$1,570,000	\$3,950,000	\$6,065,000	\$8,650,000	\$10,130,000	\$10,630,000	
	WATER CIP FUNDING								
			2022	2023	2024	2025	2026	2027	
		OP FUNDS	\$0	\$0	\$0	\$0	\$0	\$0	
		POSSIBLE ARPA or IIJA	\$550,000	\$0	\$0	\$0	\$0	\$0	
		BORROW	\$1,020,000	\$2,380,000	\$2,115,000	\$2,585,000	\$1,480,000	\$500,000	
		PROJ TOTAL	\$1,570,000	\$2,380,000	\$2,115,000	\$2,585,000	\$1,480,000	\$500,000	

WAUSAU WATER WORKS - DRINKING WATER DIVISION		7/22/2022							
CAPITAL PLAN-OPERATING 2022-2027									
IMPROVEMENTS/PROJECTS	COST EST 2022-2027	FUND SOURCE	2022	2023	2024	2025	2026	2027	Comments
SOFTWARE & STUDIES									
STAFFING LEVEL ANALYSIS/ STUDY	30,000	OP FUNDS	30,000						12/28/21 Added 11/12/21 with ERP Software 12/1/21 WDNR Compliance 11/12/21 WDNR Compliance
ASSET MANAGEMENT SOFTWARE	100,000	OP FUNDS	100,000						
LSL REPLACEMENT PLAN	90,000	OP FUNDS	90,000						
CORROSION CONTROL STUDY	120,000	OP FUNDS	120,000						
SUBTOTAL	\$340,000		\$340,000	\$0	\$0	\$0	\$0	\$0	
TOWERS/ RESERVOIRS/ BOOSTER STATIONS									
RESERVOIR INSPECTIONS	40,000	OP FUNDS			40,000				Inspected 2019-required at 5 years On-going for reservior work
RESERVOIR INTER/ EXTER COATINGS & MAIN	1,000,000	OP FUNDS	180,000	180,000	180,000	310,000	150,000		
SUBTOTAL	\$1,040,000		\$180,000	\$180,000	\$220,000	\$310,000	\$150,000	\$0	
METERS & RADIO READ BOXES									
METER & RADIO BOX RPLCMT (ON-GOING)	2,520,000	OP FUNDS	420,000	420,000	420,000	420,000	420,000	420,000	started 2021 to catch up Meter supply
SUBTOTAL	\$2,520,000		\$420,000	\$420,000	\$420,000	\$420,000	\$420,000	\$420,000	
TRANSPORTATION EQUIPMENT - VEHICLES									
LIGHT DUTY TRUCK (ON-GOING)	325,000	OP FUNDS	40,000	85,000	50,000	50,000	50,000	50,000	On-going
SUBTOTAL	\$325,000		\$40,000	\$85,000	\$50,000	\$50,000	\$50,000	\$50,000	
TOOLS, SHOP AND GARAGE									
SNOW REMOVAL EQUIPMENT	90,000	OP FUNDS	90,000						
FORKLIFT	40,000	OP FUNDS	40,000						
MATERIAL SCREENER	70,000	OP FUNDS		70,000					
BOX AND TAG AXLE	40,000	OP FUNDS		40,000					
SUBTOTAL	\$240,000		\$130,000	\$110,000	\$0	\$0	\$0	\$0	
TOTAL CAPITAL	\$4,465,000		\$1,110,000	\$795,000	\$690,000	\$780,000	\$620,000	\$470,000	
CUMULITIVE CAPITAL			\$1,110,000	\$1,905,000	\$2,595,000	\$3,375,000	\$3,995,000	\$4,465,000	
	WATER CIP FUNDING								
			2022	2023	2024	2025	2026	2027	
		OP FUNDS	\$1,110,000	\$795,000	\$690,000	\$780,000	\$620,000	\$470,000	
	POSSIBLE ARPA or IIJA								
		BORROW	\$0	\$0	\$0	\$0	\$0	\$0	
	PROJ TOTAL		\$1,110,000	\$795,000	\$690,000	\$780,000	\$620,000	\$470,000	

WAUSAU WATER WORKS - DRINKING WATER DIVISION		6/30/2022							
CAPITAL PLAN - CAPITAL ASSETS 2022-2027									
IMPROVEMENTS/PROJECTS	COST EST 2022-2027	FUND SOURCE	2022	2023	2024	2025	2026	2027	Comments
WATER TREATMENT PLANT									
TOWERS/RESERVOIRS/BOOSTER STATIONS									
GENERATOR - ONSITE (W. Wausau)	480,000	BORROW	240,000		240,000				
SCADA UPGRADES - BOOSTER STNS (\$360K)	360,000	BORROW		360,000	0				05/18/21 Moved from 2024 to 2023
MONROE BOOSTER STATION RECONSTRUCTION	560,000	BORROW			60,000	500,000			11/12/21 Moved to '24/'25
SUBTOTAL	\$1,400,000		\$240,000	\$360,000	\$300,000	\$500,000	\$0	\$0	
WELLS									
FUTURE WELL	650,000	BORROW				0	650,000		05/18/21 Moved from 2025 to 2026
SUBTOTAL	\$650,000		\$0	\$0	\$0	\$0	\$650,000	\$0	
TOOLS, SHOP AND GARAGE									
Backhoe/ wheeled excavator					160,000	325,000		200,000	
Vacuum Truck	500,000	BORROW		500,000					11/12/21 Moved up to '22
SUBTOTAL	\$500,000		\$0	\$500,000	\$160,000	\$325,000	\$0	\$200,000	
DISTRIBUTION/SUPPLY MAINS									
Street Projects									
3rd Ave (Randolph to Bos Creek)	0	BORROW							04/20/21 Actual cost \$242,000
5th Ave (West St to Garfield Ave)	0	BORROW							04/20/21 Actual cost \$267,000
Rosecrans (17th Ave - 22nd Ave)	0	BORROW							
McIntosh St.	0	BORROW							
4th St (McClellan St- Scott St)	30,000	BORROW	30,000						
Bugbee Ave (Burek Ave - Tiernaey Rd)	120,000	BORROW	120,000						
4th Ave (Bridge St - Knox St)	330,000	BORROW	330,000						
Emerson Street, EauClaire to Kent	20,000	BORROW			20,000				05/18/21 Moved from 2023 to 2024
Mount View Blvd., EauClaire to Kent	20,000	BORROW			20,000				05/18/21 Moved from 2023 to 2024
Pied Piper Lane, EC to Kent	40,000	BORROW			40,000				05/18/21 Moved from 2023 to 2024
Eau Claire BLVD	510,000	BORROW			510,000				05/18/21 Moved from 2023 to 2024
10th Ave (Bridge to West Wausau)	420,000	BORROW		420,000					05/18/21 Moved from 2024 to 2023
Grant St (6th St to 7th St)	100,000	BORROW		100,000					05/18/21 Moved from 2024 to 2023
Stark St (5th St- 12th St)	1,200,000	BORROW				1,200,000			
Hennrietta St (Bellis St - 13th St)	320,000	BORROW		320,000					05/18/21 Moved from 2023 to 2025
W. Randolph (Burek to Merrill)	350,000	BORROW					350,000		05/18/21 Added
S. 11th Ave (W. Thomas to Flieth)	180,000	BORROW					180,000		05/18/21 Added
North 17th Ave, Stewart to Elm	220,000	BORROW		220,000					05/18/21 Possible TID Funding
SUBTOTAL	\$3,860,000		\$480,000	\$1,060,000	\$590,000	\$1,200,000	\$530,000	\$0	
General Distribution Projects									
STEWART AVE LOOPING-12"-60/68 AVE	315,000	BORROW			315,000				
Looping main Stettin Dr. Stewart to the Park	160,000	BORROW		160,000					
LOOPING MAIN STETTIN DRIVE, 48TH AVE TO 52ND AV	260,000	BORROW				260,000			05/18/21 Moved to 2025
14" WM Replace (ELM ST;14TH- 17TH AVE & 17th Ave; El	450,000	BORROW			450,000				11/12/21 Moved to 2024
LSL REPLACEMENTS (Public Side)	1,500,000	BORROW	300,000	300,000	300,000	300,000	300,000		05/18/21 Increase to \$300k annually
14" WM Extension Bugbee & Campus	550,000	BORROW	550,000						05/18/21 ARPA or IJA funding?
MISC EXTENSIONS	0	BORROW							
SUBTOTAL	\$3,235,000		\$850,000	\$460,000	\$1,065,000	\$560,000	\$300,000	\$0	
TOTAL CAPITAL	\$9,645,000		\$1,570,000	\$2,380,000	\$2,115,000	\$2,585,000	\$1,480,000	\$200,000	
CUMULITIVE CAPITAL			\$2,789,000	\$5,169,000	\$7,284,000	\$9,869,000	\$11,349,000	\$11,549,000	
WATER CIP FUNDING									
			2022	2023	2024	2025	2026	2027	
	OP FUNDS		\$0	\$0	\$160,000	\$325,000	\$0	\$200,000	
	POSSIBLE ARPA or IJA		\$550,000	\$0	\$0	\$0	\$0	\$0	
	BORROW		\$1,020,000	\$2,380,000	\$1,955,000	\$2,260,000	\$1,480,000	\$0	
	PROJ TOTAL		\$1,570,000	\$2,380,000	\$2,115,000	\$2,585,000	\$1,480,000	\$200,000	

WAUSAU WATER WORKS - DRINKING WATER DIVISION			6/30/2022							
CAPITAL PLAN-OPERATING 2022-2027										
IMPROVEMENTS/PROJECTS	COST EST 2022-2027	FUND SOURCE	2022	2023	2024	2025	2026	2027	Comments	
SOFTWARE & STUDIES										
Staffing Level Analysis/Study	30,000	OP FUNDS	30,000						12/28/21 Added	
ASSET MANAGEMENT SOFTWARE	100,000	OP FUNDS	100,000						11/12/21 Added by ERL, with ERP Software	
LSL REPLACEMENT PLAN	90,000	OP FUNDS	90,000						12/1/21 Added by ERL, for WDNR Compliance	
CORROSION CONTROL STUDY	120,000	OP FUNDS	120,000						11/12/21 Added by ERL, WDNR Compliance	
SUBTOTAL	\$340,000		\$340,000	\$0	\$0	\$0	\$0	\$0		
TOWERS/RESERVOIRS/BOOSTER STATIONS										
RESERVOIR INSPECTIONS	40,000	OP FUNDS			40,000				Inspected 2019-required at 5 years	
RESERVOIR INTER/EXTER COATINGS & MAINT	1,000,000	OP FUNDS	180,000	180,000	180,000	310,000	150,000		On-going for resevior work	
SUBTOTAL	\$1,040,000		\$180,000	\$180,000	\$220,000	\$310,000	\$150,000	\$0		
METERS & RADIO READ BOXES										
METER & RADIO BOX REPLACEMENT (ON-GOIN	2,100,000	OP FUNDS	420,000	420,000	420,000	420,000	420,000	420,000	11/12/21 Meter supply shortages	
SUBTOTAL	\$2,100,000		\$420,000	\$420,000	\$420,000	\$420,000	\$420,000	\$420,000		
TRANSPORTATION EQUIPMENT - VEHICLES										
LIGHT DUTY TRUCK	275,000	OP FUNDS	40,000	85,000	50,000	50,000	50,000	50,000	On-going	
SUBTOTAL	\$275,000		\$40,000	\$85,000	\$50,000	\$50,000	\$50,000	\$50,000		
TOOLS, SHOP AND GARAGE										
Snow Removal Equipment		OP FUNDS	90,000							
Material Screener		OP FUNDS		70,000						
Box and Tag Axle		OP FUNDS		40,000						
Forklift	40,000	OP FUNDS	40,000							
SUBTOTAL	\$40,000		\$130,000	\$110,000	\$0	\$0	\$0	\$0		
TOTAL CAPITAL	\$3,455,000		\$1,110,000	\$795,000	\$690,000	\$780,000	\$620,000	\$470,000		
CUMULITIVE CAPITAL			\$1,765,000	\$2,560,000	\$3,250,000	\$4,030,000	\$4,650,000	\$5,120,000		
WATER CIP FUNDING										
			2022	2023	2024	2025	2026	2027		
		OP FUNDS	\$1,110,000	\$795,000	\$690,000	\$780,000	\$620,000	\$470,000		
	POSSIBLE ARPA or IJJA									
	BORROW		\$0	\$0	\$0	\$0	\$0	\$0		
	PROJ TOTAL		\$1,110,000	\$795,000	\$690,000	\$780,000	\$620,000	\$470,000		

WAUSAU WATER WORKS - WASTEWATER DIVISION
CAPITAL PLAN - CAPITAL ASSETS 2022-2027

7/22/2022

7/22/2022

IMPROVEMENTS/PROJECTS	COST EST 2022-2027	FUND SOURCE	2022	2023	2024	2025	2026	2027
WWTF IMPROVEMENTS:								
Headworks upgrade:	800,000	ARPA		800,000				
Cellular Amplification in underground tunnels:	300,000	BORROW		300,000				
Sludge Barn floor replacement:	250,000	BORROW				250,000		
SUBTOTAL	1,350,000		-	1,100,000	-	250,000	-	-
SEWER LIFT STATIONS								
Lift Station Engineering Report & Design:	494,500	BORROW	244,500				250,000	
Airport Lift Station upgrade:	700,000	BORROW				700,000		
Greenwood Hills & Northwestern LS upgrades:	1,100,000	BORROW		1,100,000				
Cherry & Crocker St. lift station upgrades:	1,100,000	BORROW			1,100,000			
24th & 44th Ave LS Upgrades	1,100,000	BORROW						1,100,000
Industrial Park LS Parallel Force Main	300,000	BORROW						300,000
32nd Ave lift station upgrade:	600,000	BORROW					600,000	
SUBTOTAL	5,394,500		244,500	1,100,000	1,100,000	700,000	850,000	1,400,000
TRANSPORTATION/EQUIPMENT								
Dump truck	240,000	BORROW	120,000			120,000		
TV truck	405,000	BORROW		405,000				
Bobcat toolcat	120,000	BORROW		120,000				
SUBTOTAL	765,000		120,000	525,000	-	120,000	-	-
COLLECTION INFRASTRUCTURE								
Street Projects								
Bugbee Ave (Burek Ave - Tierney Rd) partial	90,000	BORROW	90,000					
4th Ave (Bridge St - Knox St)	225,000	BORROW	225,000					
Pied Piper Lane, EC to Kent	30,000	BORROW			30,000			
Eau Claire BLVD	280,000	BORROW			280,000			
North 10th Ave (Oak St. to West Wausau Ave.)	320,000	BORROW		320,000				
Grant St (6th St to 7th St)	85,000	BORROW		85,000				
Stark St (5th St- 122th St)	800,000	BORROW				800,000		
Hennrietta St (Bellis St - 13th St)	200,000	BORROW		200,000				
Fulton Street (1st St to 6th St)	225,000	BORROW				225,000		
North 17th Ave, Stewart Ave to Elm St.	200,000	BORROW		200,000				
SUBTOTAL	2,455,000		315,000	805,000	310,000	1,025,000	-	-
Proposed Developments/Extensions								
Northwestern Avenue (Higgenbotham)	120,000	BORROW					120,000	
SUBTOTAL	120,000		-	-	-	-	120,000	-
Sewer Collection System Projects								
Stewart Ave Force Main & Sewer Improvement	1,800,000	BORROW	100,000	200,000	1,500,000			
River Crossing (Washington St Siphon)	400,000	BORROW	400,000					
Unanticipated Sewer Projects	750,000	BORROW	150,000	150,000	150,000	150,000	150,000	
SUBTOTAL	2,950,000		650,000	350,000	1,650,000	150,000	150,000	-
TOTAL PLANNED CAPITAL EXPENDITURES	13,034,500		\$1,329,500	\$3,880,000	\$3,060,000	\$2,245,000	\$1,120,000	\$1,400,000
SEWER CIP FUNDING								
		2022	2023	2024	2025	2026	2027	
	OP FUNDS	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	POSSIBLE ARPA or IIJA	\$100,000	\$1,000,000	\$1,780,000	\$225,000	\$0	\$0	\$0
	BORROW	\$1,229,500	\$2,880,000	\$1,280,000	\$2,020,000	\$1,120,000	\$1,400,000	
	PROJ TOTAL	\$1,329,500	\$3,880,000	\$3,060,000	\$2,245,000	\$1,120,000	\$1,400,000	

Comments
06/30/22 ARPA FUNDED
1,350,000
Set of 4 Lift Sttns per study. Report, design & preconst mtgs. 05/17/21 \$160k carryover from 2021. 2026 next study for LS construction, management & oversight construction, management & oversight construction, management & oversight construction, management & oversight 06/30/22 Moved 2026 to 2027, inspect cndtn of existing FM
3,994,500
Keep until Class A sludge destination is known 06/30/22 Increased cost 2023
765,000
05/17/21 Moved from 2023 to 2024 12/28/21 IIJA GRANT? 05/17/21 from 2023 to 2024, 05/17/21 Moved from 2024 to 2023 05/17/21 Moved from 2024 to 2023
06/30/22 Moved from 2025 to 2023 12/28/21 IIJA GRANT? 05/17/21 from 2022 to 2023 6/30/22 Added from 2023 infrastructure project list
2,455,000
05/17/21 Moved from 2022 to 2026
7/1/22 Possible ARPA or IIJA for 2024 costs? 05/17/21 new project for 2022

WAUSAU WATER WORKS - WASTEWATER DIVISION
CAPITAL PLAN - OPERATING 2022-2027

7/22/2022

7/22/2022

IMPROVEMENTS/PROJECTS	COST EST 2022-2027	FUND SOURCE	2022	2023	2024	2025	2026	2027	Comments
SOFTWARE & STUDIES									
Staffing Level Analysis/Study	30,000	OP FUNDS	30,000						12/28/21 Added/Bakertilly
SUBTOTAL	30,000		30,000	-	-	-	-	-	
SEWER TREATMENT PLANT									
Asset/O&M Management (SW share)	200,000	OP FUNDS	100,000	100,000					11/12/21 Reduced as water to pay half
SUBTOTAL	200,000		100,000	100,000	-	-	-	-	
TRANSPORTATION/EQUIPMENT									
Safety support vehicle	60,000	OP FUNDS			60,000				6/30/22 moved to 2024
SUBTOTAL	60,000		-	-	60,000	-	-	-	
COLLECTION INFRASTRUCTURE									
Street Projects									
Emerson Street, Eau Calaire Blvd to Kent	30,000	OP FUNDS			30,000				04/20/21 CISM pushed project to future year, 2024
Mount View Blvd, Eau Claire Blvd to Kent	25,000	OP FUNDS			25,000				04/20/21 CISM pushed project to future year, 2024
4th St (McClellan St - Scott St)	60,000	OP FUNDS	60,000						
SUBTOTAL	115,000		60,000	-	55,000	-	-	-	
Sewer Collection System Projects									
Slipline Sewers (Cured in Place); I&I Repairs	2,525,000	OP FUNDS	425,000	525,000	525,000	525,000	525,000		Sliplining, combined Storm/Sanitary issues; IIJA GRANT?
Forcemain Pigging and Cleaning	490,000	OP FUNDS		120,000		120,000	250,000		
Interceptor Line H2S Rprs	1,400,000	OP FUNDS	400,000		500,000		500,000		05/17/21 Added \$400k in 2022
SUBTOTAL	4,415,000		825,000	645,000	1,025,000	645,000	1,275,000	-	
TOTAL PLANNED CAPITAL EXPENDITURES	4,820,000		1,015,000	745,000	1,140,000	645,000	1,275,000	0	
TOTAL PLANT & COLLECTION ONLY	4,615,000		925,000	745,000	1,025,000	645,000	1,275,000	0	
CUMULATIVE FULL UPGRADE			1,015,000	1,760,000	2,900,000	3,545,000	4,820,000	4,820,000	
SEWER CIP FUNDING									
			2022	2023	2024	2025	2026	2027	
		OP FUNDS	\$590,000	\$220,000	\$615,000	\$120,000	\$750,000	\$0	
		POSSIBLE ARPA or IIJA	\$425,000	\$525,000	\$525,000	\$525,000	\$525,000	\$0	
		BORROW	\$0	\$0	\$0	\$0	\$0	\$0	
		PROJ TOTAL	\$1,015,000	\$745,000	\$1,140,000	\$645,000	\$1,275,000	\$0	

**WAUSAU WATER WORKS - WASTEWATER DIVISION
CAPITAL PLAN - CAPITAL ASSETS 2022-2027**

6/30/2022

6/30/2022

IMPROVEMENTS/PROJECTS	COST EST 2022-2027	FUND SOURCE	2022	2023	2024	2025	2026	2027	Comments
WWTF IMPROVEMENTS:									
Headworks upgrade:	800,000	ARPA		800,000					ARPA FUNDED
Cellular Amplification in underground tunnels:	300,000	BORROW		300,000					
Sludge Barn floor replacement:	250,000	BORROW				250,000			
Subtotal	1,350,000		-	1,100,000	-	250,000	-	-	1,350,000
SEWER LIFT STATIONS									
Lift Station Engineering Report & Design:	494,500	BORROW	244,500				250,000		set of 4 lift stations per study. Report, design & preconst meetings
Airport Lift Station upgrade:	700,000	BORROW				700,000			05/17/21 \$160k carryover from 2021. 2026 next study for lift stations
Greenwood Hills & Northwestern lift station upgrades:	1,100,000	BORROW		1,100,000					construction, management & oversight
Evergreen Lift Station replace/repair Forcemain	-	BORROW							04/20/21 Currently locating FM near storm sewer
Cherry & Crocker St. lift station upgrades:	1,100,000	BORROW			1,100,000				construction, management & oversight
24th & 44th Ave LS Upgrades	-	BORROW						1,100,000	construction, management & oversight
Industrial Park LS Parallel Force Main	-	BORROW						300,000	06/30/22 Moved from 2026 to 2027, inspect condition of existing FM
32nd Ave lift station upgrade:	600,000	BORROW					600,000		
Subtotal	3,994,500		244,500	1,100,000	1,100,000	700,000	850,000	1,400,000	4,229,500
TRANSPORTATION/EQUIPMENT									
Dump truck	240,000	BORROW	120,000			120,000			Keep until Class A sludge destination is known
TV truck	405,000	BORROW		405,000					06/30/22 Increased cost 2023
Bobcat toolcat	120,000	BORROW		120,000					
Subtotal	765,000		120,000	525,000	-	120,000	-	-	765,000
STREET PROJECTS									
4th St (McClellan St- Scott St)	-	BORROW							11/12/21 \$60K from operating in 2022
Bugbee Ave (Burek Ave - Tierney Rd)	90,000	BORROW	90,000						
4th Ave (Bridge St - Knox St)	225,000	BORROW	225,000						
Emerson Street, EauClaire to Kent	-	BORROW							12/1/21 \$30K from 2023 to 2024 operating
Mount View Blvd., EauClaire to Kent	-	BORROW							12/1/21 \$25K from 2023 to 2024 operating
Pied Piper Lane, EC to Kent	30,000	BORROW			30,000				05/17/21 Moved from 2023 to 2024
Eau Claire BLVD	280,000	BORROW			280,000				12/28/21 IJA GRANT? 05/17/21 from 2023 to 2024,
North 10th Ave (Oak St. to West Wausau Ave.)	320,000	BORROW		320,000					05/17/21 Moved from 2024 to 2023
Grant St (6th St to 7th St)	85,000	BORROW		85,000					05/17/21 Moved from 2024 to 2023
Stark St (5th St- 122th St)	800,000	BORROW				800,000			
Henrietta St (Bellis St - 13th St)	200,000	BORROW		200,000					06/30/22 Moved from 2025 to 2023
Fulton Street (1st St to 6th St)	225,000	BORROW				225,000			12/28/21 IJA GRANT? 05/17/21 from 2022 to 2023
North 17th Ave, Stewart Ave to Elm St.	200,000	BORROW		200,000					6/30/22 Added from 2023 infrastructure project list
Subtotal	2,455,000		315,000	805,000	310,000	1,025,000	-	-	2,888,000
Proposed Developments/Extensions									
Northwestern Avenue (Higgenbotham)	120,000	BORROW					120,000		05/17/21 Moved from 2022 to 2026
Subtotal	120,000		-	-	-	-	120,000	-	
Sewer Collection System Projects									
Stewart Avenue Force Main & Sewer Improvement	1,800,000	BORROW	100,000	200,000	1,500,000				7/1/22 Possible ARPA or IJA for 2024 costs?
River Crossing (Washington St Siphon)	400,000	BORROW	400,000						05/17/21 new project for 2022
Unanticipated Sewer Projects	750,000	BORROW	150,000	150,000	150,000	150,000	150,000		
Subtotal	2,950,000		650,000	350,000	1,650,000	150,000	150,000	-	
TOTAL PLANNED CAPITAL EXPENDITURES	10,284,500		\$1,329,500	\$3,880,000	\$3,060,000	\$2,245,000	\$1,120,000	\$1,400,000	
SEWER CIP FUNDING									
		OP FUNDS	\$0	\$0	\$0	\$0	\$0	\$0	
	POSSIBLE ARPA or IJA		\$100,000	\$0	\$1,780,000	#REF!	\$0	\$0	
	BORROW		\$1,229,500	\$3,080,000	\$1,280,000	#REF!	\$1,120,000	\$1,400,000	
	PROJ TOTAL		\$1,329,500	\$3,080,000	\$3,060,000	#REF!	\$1,120,000	\$1,400,000	

WAUSAU WATER WORKS - WASTEWATER DIVISION
CAPITAL PLAN - OPERATING 2022-2027

6/30/2022

6/30/2022

IMPROVEMENTS/PROJECTS	COST EST 2022-2027	FUND SOURCE	2022	2023	2024	2025	2026	2027	Comments
SOFTWARE & STUDIES									
Staffing Level Analysis/Study	30,000	OP FUNDS	30,000						12/28/21 Added/Bakertilly
Subtotal	30,000		30,000	-	0.00	0.00	0.00	0.00	
SEWER TREATMENT PLANT									
Asset/O&M Management	\$200,000	OP FUNDS	100,000	100,000					11/12/21 Reduced as water to pay half
Subtotal	200,000		100,000	100,000	-	-	-	-	
SEWER LIFT STATIONS									
	-	OP FUNDS							
Subtotal	-		-	-	-	-	-	-	
TRANSPORTATION/EQUIPMENT									
Safety support vehicle	60,000	OP FUNDS			60,000				6/30/22 moved to 2024
Subtotal	60,000		-	-	60,000	-	-	-	
Street Projects									
Emerson Street, Eau Calaire Blvd to Kent	30,000	OP FUNDS			30,000				04/20/21 CISM pushed project to future year, 2024
Mount View Blvd, Eau Claire Blvd to Kent	25,000	OP FUNDS			25,000				04/20/21 CISM pushed project to future year, 2024
4th St (McClellan St - Scott St)	60,000	OP FUNDS	60,000						
Subtotal	115,000		60,000	-	55,000	-	-	-	
Proposed Developments/Extensions									
	-	OP FUNDS							
Subtotal	-		-	-	-	-	-	-	
Sewer Collection System Projects									
Slipline Sewers (Cured in Place); I&I Repairs	2,525,000	OP FUNDS	425,000	525,000	525,000	525,000	525,000		Sliplining, combined Storm/Sanitary issues; IJJA GRANT?
Forcemain Pigging and Cleaning	490,000	OP FUNDS		120,000		120,000	250,000		
Interceptor Line H2S Rprs	1,400,000	OP FUNDS	400,000		500,000		500,000		05/17/21 Added \$400k in 2022
Subtotal	4,415,000		825,000	645,000	1,025,000	645,000	1,275,000	-	
TOTAL PLANNED CAPITAL EXPENDITURES	4,790,000		1,015,000	745,000	1,140,000	645,000	1,275,000	0	
TOTAL PLANT & COLLECTION ONLY			925,000	745,000	1,025,000	645,000	1,275,000	0	
CUMULATIVE FULL UPGRADE			1,185,000	1,930,000	3,070,000	3,715,000	4,990,000	4,990,000	
SEWER CIP FUNDING									
			2022	2023	2024	2025	2026	2027	
		OP FUNDS	\$590,000	\$220,000	\$615,000	\$120,000	\$750,000	\$0	
	POSSIBLE ARPA or IJJA		\$425,000	\$525,000	\$525,000	\$525,000	\$525,000	\$0	
	BORROW		\$0	\$0	\$0	\$0	\$0	\$0	
	PROJ TOTAL		\$1,015,000	\$745,000	\$1,140,000	\$645,000	\$1,275,000	\$0	

Department of Public Works
and Utilities



Eric Lindman, P.E.

Director of Public Works and Utilities

TO: Wausau Waterworks Commission

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

DATE: September 6, 2022

SUBJECT: Stettin Agreement – Pretreatment Management Authority

Wausau has had an agreement in place with the Town of Stettin for accepting wastewater from residential properties in a small sanitary district and it has not been updated since 1968. Over the many decades the majority of the properties served by the city's collection system have annexed into the city. There remains a small number of homes in the Town of Stettin and each property is charged for sanitary sewer. Once the majority of the properties annexed into the city many years ago the remaining sanitary line outside the city, along with the lift station, became the responsibility of the utility to operate and maintain.

The 1968 agreement did not address the issue of the city's pretreatment program for industrial users. There are currently no industrial users within the town of Stettin currently connected to the sanitary sewer but should this happen in the future there should be an agreement in place to ensure the city has the right to properly manage an industrial user.

The attached agreement includes references to the current Wausau Municipal Code (WMC) and ensures our rights to enforce the city's pretreatment program should an industrial facility be built and connected within this sanitary district.

Please find attached the updated agreement for your review and consideration. This agreement will be sent to the Town of Stettin and brought forward to the city council for final approval.

AGREEMENT FOR MANAGEMENT OF
PRETREATMENT REQUIREMENTS FOR TOWN OF STETTIN USERS DISCHARGING
TO THE CITY OF WAUSAU WASTEWATER TREATMENT FACILITY

This Agreement made this ____ day of _____, 2022, by and between the TOWN OF STETTIN, a municipality of the State of Wisconsin, hereinafter called "Stettin," and the CITY OF WAUSAU, a municipal corporation, hereinafter called "Wausau"

WITNESSETH:

WHEREAS, the City of Wausau, is the owner of a Wastewater Treatment Facility ("WWTF") operated for the express purpose of providing treatment of the City's sewage; and

WHEREAS, Stettin is located west and adjacent to the west corporate limits of the City of Wausau and the city owns and operates a system of sewers and a lift station within Stettin; and

WHEREAS, Stettin has no sewage treatment and Wausau has heretofore treated Stettin's raw sewage under a contract both parties, voluntarily entered into on January 15, 1968, for a period of one year, from January 1, 1968 to December 31, 1968, with the privilege of renewal from year to year thereafter; and

WHEREAS, the Federal Clean Water Act of 1977 established a national policy for the creation and enforcement of pretreatment standards and requirements for Industrial wastewater. Specific regulations to accomplish provisions of the Clean Water Act of 1977 were published in the Federal Register under 40 CFR Part 403 and parallel state regulations were adopted per Wisconsin Administrative Code NR 211. The City is required by WDNR to maintain a local pretreatment program as part of the Wisconsin Pollutant Discharge Elimination System Permit No. WI-0025739-09-2 (hereinafter "Permit"); and

WHEREAS, Wausau maintains a local pretreatment program and has codified Chapter 13.62 Sewage Users – Standards and Control of the Wausau Municipal Code in order to regulate the program; and

WHEREAS, Wausau has the responsibility to insure that all industries which eventually receive treatment of their wastewater at Wausau's wastewater treatment facilities, including industries within the boundaries of Stettin, are in compliance with national categorical pretreatment standards.

NOW, THEREFORE, Wausau and Stettin do hereby agree as follows:

1. This Agreement is entered into pursuant to the provisions of Section 66.0301 of the Wisconsin Statutes. This Agreement supersedes that Agreement between the Town of Stettin, and the City of Wausau, dated January 15, 1968.

2. Stettin shall adopt Chapter 13.62 Sewage Users – Standards and Control of the Wausau Municipal Code, thereby making it applicable to any users served by the City of Wausau's WWTF. The current list of users is attached as Exhibit A.
3. Stettin authorizes Wausau to perform all administrative tasks required by the pretreatment ordinance, WDNR, and/or by Federal regulations. These administrative tasks include but are not limited to permit review, permit issuance, review of baseline reports, compliance, monitoring, demand monitoring, receipt and review of all industrial compliance reports. A copy of all documents required by Wausau or filed by the affected discharger shall be sent to the City of Wausau Pretreatment Coordinator. Within reason, Wausau shall keep Stettin informed of the activities concerning industries within their corporate limits.
4. The capacity of the Wausau Wastewater Treatment Facility ("WWTF") is limited. It is entirely owned by the City of Wausau. So that the citizens of the City of Wausau are not required to unduly expand the capacity of the Wausau WWTF in the future, no extension and/or expansion of the Stettin sewage collection system shall occur without the prior written approval of Wausau and such proposed extension/expansion complies with the current Facilities Plan. Stettin shall submit to Wausau, plans for expansion of the Stettin sewage collections system prior to submitting for WDNR approval.
5. All domestic sewage Stettin delivers to Wausau shall be reasonably free of clear waters, defined as including but not limited to storm water, diffused surface water, air conditioning discharge water and groundwater. All sewage is to be free from materials which may tend to foul or clog mains or laterals, or might reasonably be expected to damage the building or equipment constituting the Wausau WWTF. The provisions of Sec. 13.62.030 Wausau Municipal Code and any subsequent amendments to that section, are incorporated herein and made a part hereof. Discharges prohibited thereunder shall not be delivered to the Wausau system by Stettin. Any violation of Sec. 13.62.030 and any amendments thereto shall immediately cease and be reported to the Director of Public Works and Utilities. Section 13.62.040 and any amendments thereto shall apply, and Stettin agrees to be governed by its provisions.
6. Wausau reserves the right to order pretreatment of industrial waste. If, upon monitoring the discharge of such industry, it is determined that the standards of Sec. 13.62.030, and any amendments thereto, or the Permit, are not being met, Stettin will be advised in writing by Wausau of the name of any industry not in compliance. Stettin shall immediately cause such pretreatment to be made to industrial waste, as required by Sec. 13.62.040 and any amendments thereto, prior to continued discharge of such wastes into the Stettin system.

All costs of such monitoring, including but not limited to analysis of the sewage, shall be charged to the users, and in the event such billing remains unpaid for sixty days, Wausau shall bill Stettin, who shall then pay such bill in the regular course of business.

The industry shall have reasonable time, not to exceed sixty days after written notice, to cause all wastes to be pretreated to meet the waste standards and requirements prescribe

in said Permit or order, except for prohibited wastes which are toxic, or which may cause public health concerns, or property damage, or may impair treatability, and in these cases, the discharge shall cease immediately. If the industry or Stettin provides proof that compliance with waste standards requires machinery, equipment, supplies, chemicals, construction or other related items which cannot be completed or installed within such sixty day period, Wausau and Stettin shall meet to consider what course of action is proper under all of the circumstances. However, Wausau shall have final decision-making authority regarding these actions.

If the industry does not comply with the requirements of pretreatment within the time frame above described, and/or continued to violate Sec. 13.62.030 and any amendments thereto, the industry is subject to enforcement provisions as identified under Sewer Use Ordinance.

If Wausau is required by the WDNR to perform special studies or an industrial survey to comply either with Federal Pretreatment regulations or toxic reduction assessments to meet new discharge requirements, Stettin may be assessed directly for such activity over and above the charges for sewer service. This special assessment will generally relate to the number of industrial users in each community. Stettin will be advised in writing in advance of these special studies and possible cost allocation.

Stettin will further assist Wausau with management of the pretreatment regulations by observing and reporting industrial users that may be required to comply with such regulation.

7. Wausau shall enforce the pretreatment ordinance against the affected Stettin dischargers in the same manner it enforces the pretreatment ordinance against affected Wausau dischargers and shall not discriminate in its enforcement against affected Stettin dischargers.
8. All permit fees shall be paid to Wausau and shall be for the purpose of covering expenses and costs associated with administering the pretreatment ordinance requirements.
9. Stettin shall support the enforcement of all provisions of the pretreatment ordinance, especially those areas that are pertaining to the national categorical pretreatment standards, and at the request of Wausau, WDNR, and/or the Environmental Protection Agency, Stettin shall assist Wausau recovering all money received as a penalty and/or a forfeiture which may be levied and/or ordered as a result of a violation or violations of the ordinance. Stettin shall also assist Wausau recovering all money received by Stettin as reimbursements for any damage to Wausau's treatment facility. All payments to Wausau shall be less actual attorney's fees and all costs associated with the levy and/or order of a penalty or forfeiture or reimbursement for any damage to Wausau's treatment facility.
10. This Agreement may be terminated by either party upon thirty (30) days' written notice to the other, addressed to the Director of Public Works and Utilities of the City of Wausau or the Clerk of the Town of Stettin.

IN WITNESS WHEREOF, this Agreement has been duly executed the day and year first above written.

Witness:

TOWN OF STETTIN

BY: _____

CITY OF WAUSAU

Katie Rosenberg, Mayor

Kaitlyn Bernarde, Clerk

ADDRESS	ACCOUNT NAME
3700 SWEET WATER LN	JEFFREY HEISLER
4000 SWEET WATER LN	S&H ENTERPRISES INC
4007 SWEET WATER LN	AIR QUALITY CONTROL
4012 SWEET WATER LN	SETH GRAYKOWSKI
4013 SWEET WATER LN	DAVID FRAMKE
1020 LOMAR DR	ROBERT FITZKE
1022 LOMAR DR	TERRY REIN
1024 LOMAR DR	RICHARD SKRUKRUD
3702 SHERMAN RD	DAVID SILLARS
3610 SHERMAN RD	JULIANNA ZUNKER
3707 SHERMAN RD	NATHAN VAN BERKEL
3904 SHERMAN RD	RANDY GEIER
3806 SHERMAN RD	AUSTIN JONES
3908 SHERMAN RD	RYAN SCHMELLING
3810 SHERMAN RD	JEFFREY HEISLER
3901 SHERMAN RD	DAPHINE BRUMMOND
4200 SHERMAN RD	JAMES SERTICH
4208 SHERMAN RD	ROY FITZKE
4204 SHERMAN RD	TRENT MEYERS
4201 SHERMAN RD	AARON MEYERS
4301 SHERMAN RD	BRIAN BORNHEIMER
4209 SHERMAN RD	BRADLEY HAACK
4217 SHERMAN RD	ADAM GOETSCH
4407 SHERMAN RD	ROBERT KLEIN JR
2900 SHERMAN ST	ALTER METAL RECYCLING
2901 SHERMAN ST #A	O'BRIEN STEEL SERVICE
2901 SHERMAN RD #B	O'BRIEN STEEL SERVICE
4003 SHERMAN RD	MARK FITZKE
4007 SHERMAN RD	KELLY HOFSTAD
3526 SHERMAN ST #A	VERITAS STEEL LLC
3526 SHERMAN ST	VERITAS STEEL LLC
3301 SHERMAN ST	SHANE RADER

Department of Public Works
and Utilities



Eric Lindman, P.E.

Director of Public Works and Utilities

TO: Wausau Waterworks Commission

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

DATE: September 6, 2022

SUBJECT: WMC 13.62.020 Pretreatment Authorized Rep changes

Wausau Municipal Code (WMC) Ch 13.62 outlines the pretreatment program for the sanitary sewer users. Within this chapter of the WMC there is a correction/change that is needed to definitions. Section 13.62.020 establishes definitions for “users” on the system that are under the management of the pretreatment program. In this section it references “Authorized representatives” as the Director of Public Works and Utilities, this should be changed to “Manager” to be reflective of industries managed by this program.

It is assumed during a previous change to the WMC in this section, this was inadvertently changed as well.

ORDINANCE OF WAUSAU WATER WORK COMMISSION

Amending Section 13.62.020 Definitions

Committee Action:

Ordinance Number:

Fiscal Impact: None

File Number:

Date Introduced:

The Common Council of the City of Wausau do ordain as follows:

Add ()

Delete (———)

Section 1. That Section 13.62.020 Definitions is hereby amended to read as follows:

13.62.020 – Definitions

....

(a) If the user is a corporation:

....

(2) The ~~Director of Public Works and Utilities~~ **manager** of one or more manufacturing facilities provided the ~~Director of Public Works and Utilities~~ **manager** is authorized to make decisions which govern the operation of the facility, make major capital investment recommendations, initiate and direct comprehensive measures to assure long-term compliance with environmental laws, can ensure the necessary systems are established to gather complete and accurate information for the report and where authority to sign documents has been delegated to the ~~Director of Public Works and Utilities~~ **manager** according to the corporation's procedures; or

Section 2. All ordinances or parts of ordinances in conflict herewith are hereby repealed.

Section 3. This ordinance shall be in full force and effect on the day after its publication.

Adopted:

Approved:

Published:

Attest:

Approved:

Katie Rosenberg, Mayor

Attest:

Kaitlyn A. Bernarde, Clerk

August 24, 2022

Eric Lindman, PE
City of Wausau – Director of Public Works & Utilities
407 Grant St.
Wausau, WI 54403

Subject: Revised PFAS Supplemental Consulting Services – Scope of Work

Dear Mr. Lindman,

Wood Environment & Infrastructure Solutions, Inc. (Wood) this document summarizes the revisions to the Scope of Work (SOW) issued on April 27, 2022 and the PO signed May 16, 2022. The original SOW was developed to provide consulting services related to per- and polyfluorinated alkyl substances (PFAS). The below revisions to the SOW reflect the current needs of the project based on discussions with Wood and City of Wausau staff.

This SOW is set up into the following five tasks:

- Task 1: Pilot Testing Technical Input
- Task 2: Column Testing
- Task 3: Engineering Evaluation Peer Review
- Task 4: Defining Next Phases of PFAS Response
- Task 5: Risk Communication & Public Relations

Additional details on the original scope of each task are presented below, along with a summary of the revision.

Task 1 – Pilot Testing Technical Input

- a) Meet with technical stakeholders including City engineers, Wausau Water Works staff, and Donohue to review results obtained to date from operation of the current proof-of-concept pilot. Donohue will present a summary of observations and water quality data available at that time.
- b) Complete a site visit to review the pilot test configuration.
- c) Complete a review of the data and prepare the following (as applicable):
 - i. Questions about the data
 - ii. Suggestions for interpretation and analysis of available data and future data
 - iii. Suggestions for modifications to the scope of parameters measured, test methods, and/or frequency of measurement
 - iv. Suggested methods or approaches for summarizing the pilot study results in a technical report for regulatory and utility stakeholders

- v. Suggested methods or approaches for summarizing the pilot study results in communications for a multiple-stakeholder audience including customers and elected/appointed officials
- d) Meet with the Donohue to develop a recommended plan for potential RSSCT of multiple media candidates. The plan will consider but not necessarily be limited to:
 - i. Timing and source of water samples collected for testing during operation of the current pilot and/or operation of the new DWTF
 - ii. Scope of media options to be screened/tested
 - iii. Review of proven methodologies and models for RSSCT. If applicable, review of published or internally-developed methodologies and supporting data for RSSCT with ion exchange resin or other non-GAC media.
 - iv. Well-defined objectives of testing which may include one or more of the following:
 - 1) Determining order of constituent breakthrough
 - 2) Comparative screening of different media products for relative performance (time to breakthrough)
 - 3) Obtaining breakthrough curves that can be used to model full-scale breakthrough curves for use in improving the precision of operational and life cycle costs
 - 4) Other or all of the above
 - v. Options for location and completion of column testing such as completion by Consultant at Consultant's laboratory or completion by a third party (technology provider or other party) at an alternate location.
- e) Conduct a data quality review of existing PFAS analytical data by a Wood chemist for the most recent lab results of each of the six source wells. A PFAS data validation summary memo will be prepared.

August 2022 Revision: Reallocate funds from Task 3 below to cover labor effort to complete the review the preliminary pilot study results, including the Technical Memorandum developed by Donohue and Associates.

- April 2022 Budget: \$20,323
- Revised Budget: \$26,693

Task 2 – PFAS Column Testing

The scope of Task 2 will be determined after completing Task 1, with input from the City and Donohue.

August 2022 Revision: No revision. At this time there, are no plans to conduct a RSSCT test as part of this SOW.

- April 2022 Budget: \$0
- Revised Budget: \$0

Task 3 – Engineering Evaluation Peer Review

- a. Meet with Donohue to review technical deliverables defining potential PFAS treatment strategies and provide input on the following:
 - i. Alternatives considered
 - ii. Design basis for those alternatives
 - iii. Capital cost opinions
 - iv. Operating cost estimates and assumptions
 - v. Life cycle cost methodologies and assumptions
 - vi. Uncertainties and risks associated with life cycle cost projections, including those related to waste disposal, regulatory uncertainty, and future treatment goals. Develop risk management and related tools (e.g., risk register) with input from Donohue.
 - vii. Donohue's TM summarizing the above
- b. Attend and participate in up to 6 virtual meetings, including workshops with the City and Donohue.
- c. Monitor and comment on Donohue's compliance with applicable DNR regulations and City project requirements and goals.
- d. Prepare a TM in collaboration with technical stakeholders on best practices nationally for PFAS removal from groundwater and drinking water, emerging/novel treatment technologies, and their potential relevance to treatment of Wausau's municipal water supply or management of waste streams produced in the treatment of that water supply.

August 2022 Revision: Close out labor effort related to this task.

- April 2022 Budget: \$21,560
- Revised Budget: \$0

Task 4 – Defining Next Phases of PFAS Response

- a. Prepare a recommended plan for long-term management of PFAS once a treatment solution is in place at the new DWTF. It is anticipated that this plan may include:
 - i. Review of previous remedial investigations in area of City wells including Superfund site investigations.
 - ii. Description of recommended forensic investigations intended to identify sources that have contributed to PFAS concentrations in the water supply.
 - iii. Initial conceptual discussion of the hydrogeological and hydrological factors likely to affect the fate and transport of PFAS in the vicinity of Wausau's water supply wells and recommendations for future investigations that would enhance this understanding in support of potential remedial or legal activities.
 - iv. Discussion of environmental investigation (groundwater and subsurface) that would support potential litigation holding responsible parties to account for the cost of remediation.
 - v. Available technical solutions (mature and emerging) for remediation of PFAS in soil and groundwater along with a conceptual roadmap, timeline, and life cycle cost perspective for pursuing remediation upstream of the DWTF.

- vi. Regulatory basis and expectations for future investigative and remedial efforts in light of groundwater enforcement standards and preventative action levels proposed by Wisconsin DHS or coordination with Wisconsin DNR.
- b. Issue a Draft TM to the City and lead a workshop with the City to review the information presented in the Draft TM.
- c. Incorporate mutually-agreed-to revisions and issue a Final TM.

August 2022 Revision: Close out labor effort related to this task.

- April 2022 Budget: \$21,740
- Revised Budget: \$0

Task 5 – Risk Communication, Public Outreach & Project Management

- a. Prepare for and lead regular meetings with the City and the Donohue focused on an approach for developing and, if needed, periodically adapting, goals for PFAS in treated water supplied to customers that includes consideration of stakeholder participation, technical and financial feasibility of PFAS treatment processes, and on-going regulatory, toxicology, and analytical developments. Upon request, develop a Risk Communication Plan summarizing the outcomes of the above meetings.
- b. Serve as a technical advisor to the City and its public relations consultant(s) to craft communication as requested by the City.
- c. Attend and support public information meetings or other forms of public outreach.
- d. Wood will conduct overall management of the scope, schedule and budget for this task and any other ongoing tasks. The project manager will review weekly “work in progress” and track percent complete to ensure project schedule and budget are within expectation. Wood will complete monthly progress reports and invoicing throughout the duration of the project.

August 2022 Revision: Labor effort to complete outstanding risk communication tasks, including development of the updated timeline and graphic for the City website. Maintain budget for additional teleconferences with City staff as needed.

- April 2022 Budget: \$19,729
- Revised Budget: \$22,320

GOVERNING DOCUMENT

Wood’s services will be performed in accordance with the City’s terms and conditions and the budget presented as Attachment 1.

BUDGET

All costs would be invoiced based on the actual units of work performed using rates previously approved by the City. The costs are based on the assumptions identified throughout this proposal. The original total budget was \$83,343. The revised total budget is \$49,013.

Notwithstanding anything mentioned in this proposal, the attached documents or any terms or conditions applicable to Wood's work, if Wood's work is delayed, disrupted, suspended, or otherwise impacted as a direct or indirect result of COVID-19 (coronavirus), or civil unrest including, but not limited to, by (1) disruptions to material and/or equipment supply; (2) illness of Wood's or Subcontractors' workforce and/or unavailability of labor; (3) government quarantines, closures, or other mandates, restrictions, and/or directives; (4) Wood's or Subcontractors' restrictions and/or directives; and/or (5) fulfillment of Wood's or Subcontractors' contractual or legal health and safety obligations associated with COVID-19; then, Wood will expect to negotiate a reasonable adjustment to the schedule and duration to account for such delays, disruptions, suspensions, and impacts. To the extent the causes identified herein result in an increase in the price of labor, materials, or equipment used in the performance of these services, Wood will expect to negotiate a mutually-agreed upon equitable adjustment to the price for such increases, provided Wood presents documentation of such increases (including the original prices).

Wood appreciates the opportunity to submit this proposal. If you have questions or require additional information, please contact Evan Thomas at 608-819-6494.

Regards,

Wood Environment & Infrastructure Solutions, Inc.



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Client Account Manager
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