



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, May 3rd, 2022.

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

AGENDA

1. Approve Minutes of April 6th & 14th 2022 Meeting.
2. Director's Report on Utility Operations
 - Update on Drinking Water Treatment Facility Construction (by Becher Hoppe)
 - Drinking Water Plant Technician still Vacant
 - Drinking Water Distribution Maintainer Accepted another Job Opportunity
 - Drinking Water Distribution Maintainer Vacancies: 2
 - Staff and CDM Smith/ Clark Dietz meet with DNR regarding Corrosion Control
 - Two Applicants received for Summer Aide in Drinking Water: 1 pursued other employment, 1 did not respond to interview invitation.
 - Drinking Water Digger's Hotline Tickets (Locates) Received
 - Staff Repaired 4 Main Breaks & 2 Services, still have 26 Excavations for Repair to Date
 - Rain Barrel Updates/Ordering/ Pick-up Event
 - Update on Wastewater Treatment Facility Construction (by Donohue)
 - Wastewater Treatment Plant Operating
 - Wastewater Position Vacancies & Staff Shortages: 1 Wastewater Plant Operation Technician, 2 Collection System Technician (Sewer Maintainer)
 - No Candidates during Second round of Job Posting, Third Round Commenced will close April 29
 - Wastewater Plant Operations Technician Job Description in Review
 - No Applicants received for Wastewater Summer Aide Position
 - Industrial Park Force Main Successfully Cleaned
 - Wastewater Plant Construction Continues
3. Discussion and Possible Action Related to Staffing Shortages and Hiring Challenges.
4. Discussion and Possible Action on a Scope of Services and Necessary Budget Modification for Hiring Wood Environmental & Infrastructure, Inc.
5. Presentation and Update on the Progress and Information to Date Regarding the PFAS Pilot Study.
6. Discussion and Possible Action on a Reimbursement Resolution for Expenditure of Funds Related to PFAS Engineering and Investigation Through the WDNR Safe Drinking Water Loan Program.
7. Discussion and Possible Action on a Resolution Designating an Authorized Representative to File for Financial Assistance from the State of WI Environmental Improvement Fund.
8. Discussion and Possible Action on a Budget Modification and Setting a Budget Amount for Communication Services from Mueller Communications.

Adjourn.

Next meeting scheduled for **June 7th 2022 at 1:30 PM*

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

THIS NOTICE POSTED AT CITY HALL AND EMAILED TO CITY PAGES AND DAILY HERALD: April 28th, 2022 at 11:00 a.m.

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

In accordance with the requirements of Title II of the Americans with Disabilities Act of 1990 (ADA), the City of Wausau will not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs or activities. If you need assistance or reasonable accommodations in participating in this meeting or event due to a disability as defined under the ADA, please call the ADA Coordinator at (715) 261-6590 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 April 6, 2022

A meeting of the Wausau Water Works Commission was called to order at 6:15 p.m. in City Hall on Wednesday, April 6th, 2022. In compliance with Wisconsin Statutes, this meeting was posted and receipted for by the Wausau Daily Herald on April 4, 2022.

Members Present: President Rosenberg, Commissioners Herbst, Gehin, Force, Via WebEx- Robinson
Others Present: Eric Lindman, Scott Boers, Ben Brooks, Anne Jacobson, Stephen Opatik/ Becher-Hoppe, Susan Wojtkiewicz/ Donohue, Matthew Bednarski/CDM Smith, Mark White/CDM Smith, Evan Thomas/Wood, Hannah Alberturs-Benham/Wood, Dave Woodward/Wood
Dickson/Tetrattech, Marsha Meurette/Tetra Tech, Angel Gebeau/AECOM,
Via WebEx: MaryAnne Groat, Pat Peckham, Dung "Zoom" Nguyen/CDM Smith, Al LeBlanc/CDM Smith, Mark Rutkowski/Shannon&Wilson, Kristen Ferberger/Shannon&Wilson, Lori Huntoon/Tetrattech, Steve Sletten/Tetrattech, John Gibbons/Tetrattech, Jeff Tracy/Geosyntec, Balaji Seshasayee/Geosyntec, Rula Deeb/Geosyntec, Kirk Craig/Geosyntec, Hamid Amini/Geosyntec,
Phoned-In: 9499****45/Hamid Amini/Geosyntec

1) Approve Minutes of March 1st & March 8th 2022 Meeting.

Herbst moved to approve the minutes of the March 1st & March 8th 2022 meeting.
Seconded by Gehin.
Motion carried 4-0.

2) Director's Report on Utility Operations.

Robinson questioned timeline of geotechnical work for solar array and well 3 effects with PFAS and shutting down with the discharge to the river.

Lindman replied soon as we could get a machine in to start digging test pits, hopefully early this Spring. Ideally would like to shut well 3 down and our consultant will work with EPA to see what timeline they have for us to shut that down.

Herbst questioned what the update was for bottled water and pitchers.

Rosenberg stated water has been going at a steady pace, pitchers are being distributed via notification to people via phone/email when their pitchers are ready for pickup. I think we had 1500 delivered.

Boers replied no timeline for next order but another 2700 will be on order.

Robinson questioned employment issues, if we could work with other departments to get some other innovative ways, non-traditional methods to re-prioritizing work.

Lindman stated we are relying on HR, staffing has been very challenging. We've reduced most of our job qualifications and are down to the point where we have to raise starting wages to attract more people. We can't make any more edits to our job descriptions because we are basically down to high school education and very little but more preferred experience rather than required. The Utility staff are addressing issues as they come up but then a lot of the

maintenance work gets pushed back and deferred to a later time.

Gehin questioned the timeline for the Industrial Park force main cleaning that started.

Brooks replied it would probably run into next week.

Force questioned if the joint neighborhood and staff meet regarding the proposed solar array in the near future would have their recommendations being incorporated into a landscape plan.

Lindman replied the community wanted to see some ideas on what things would look like. We will present them the current draft landscape renderings and have them comment and provide feedback with any changes. The residents wanted more information on concepts from the plan and profiles as viewed from their homes. The challenges were explaining what a berm would look like or what the plants would look like. At this time, I do not have a meeting set up with the neighborhood group.

Gehin questioned if it would make sense to put that on hold until a decision was made if extra space was needed at the new plant because that could change the landscape.

Rosenberg stated that could be a future agenda topic.

Director's Report placed on file.

3) Presentation Presentations from Engineering/Consulting Firms Regarding Expertise Related PFAS Treatment and Removal from Drinking Water Systems.

- a. CDM Smith**
- b. Wood Environment & Infrastructure Solutions Inc.**
- c. Shannon & Wilson**
- d. Tetra Tech**
- e. Geosyntec Solutions**
- f. AECOM**

Refer to City's Website Calendar under Wausau Water Works Commission on April 6th 2022 for PFAS Proposal Packets along with the Presentations.

No Action Taken.

4) CLOSED SESSION Pursuant to Section 19.85(1)(e), Wisconsin Statutes, for the Purpose of Deliberating or Negotiating the Purchasing of Public Properties, the Investing of Public Funds, or Conducting Other Specified Public Business, Whenever Competitive or Bargaining Reasons Require a Closed Session, Regarding Consideration of Responses to the City's Request for Qualifications for Professional Experience Related to PFAS Treatment & Removal from Drinking Water.

Rosenberg stated there is an option for closed session, however, Mr. Robinson would not be able to join based on council rules.

Force questioned if there needed to be a decision tonight? He'd like to review what they would want the firm to be able to do.

Robinson agreed with Force on holding off the decision and wanted to look for someone with experience in the regulatory involvement in the PFAS related/ design and shaping the City's response to accelerate it. We could benefit in a 3rd party helping us meet that goal.

Gehin reiterated the agreement of delaying the decision until Robinson could be in person.

Force stated he saw different strengths and different directions.

Rosenberg stated some important factors that drew her in was the firm with the experience with PFAS removal from Wisconsin because of the similar water quality issues, the discussion about the regulatory negotiations each firm had their own way, and also appreciated the one with lower cost solutions that had cost-effective solutions because that's important to our tax rate payers.

Robinson stated the experience and life-cycle analysis and the regulatory framework would be some criteria we would like to look at, maybe prepare a matrix so we could all be on the same page. Maybe we could come back in a few days.

Lindman stated staff could put together a matrix for the commissioners, pass that out and get comments/additions/edits back, then form that meeting.

Gehin advised we should talk to our current consultants as well and understand their view and pilot work so we can nail this together.

Robinson questioned if we could pick a date and he is free any evening next week but for a day meeting would be available Monday, Thursday or Friday.

Force stated that a day meeting is fine as we are not getting a lot of citizens in our evening meetings.

Rosenberg stated next week, we will have criteria, we will discuss and make a decision and will send out notification on potential dates/times.

No Action Taken.

5) RECONVENE Meeting into Open Session for the Purpose of Acting Upon Closed Session Item if Necessary.

No Action Taken.

6) Discussion and Possible Action on Supplementing the Sale of Rain Barrels in 2022 and Establishing a Memorandum of Understanding (MOU) Again with Rain Water Solutions, Inc.

Force moved to do the same program as last year with the same vendor and same process.

Seconded by Herbst.

Motion carried 5-0.

7) Discussion and Possible Action on Increasing the Funding Amount for Lead Line Services on the Homeowner's Side.

Boers began we've been awarded \$450,000 for private side lead line services, cost are going up like everything else these days, we've been asked if there were any thought on increasing the funding amount, concerns on our end would be that the plumbers would be raising their prices and anything over our funding amount would go to the residents having to provide more costs and would deter replacements so we are asking if there are any interest from the Commission to adjust our payment schedule for the funding. We currently have it set for \$3,000 and \$5,000.

Robinson questioned when we set that price and if we were targeting percentage or incentives and what the recommendation would be.

Boers replied 2016 was our first year and we are making a recommendation of \$1,000-\$2,000 increase.

Force moved to accept recommendation and move from \$3,000 to \$4,000 and from \$5,000 to \$6,000 on the homeowner reimbursement. Seconded by Herbst.

Motion carried 5-0.

8) Discussion and Possible Action on Future Bottling of Northwoods Mist.

Boers began that Northwoods Mist was no longer co-packing for outside water sources and after a quick search we could not find any copackers in the area willing to do that. From our prior discussions we've had with plastic bottles, now would be a good time to discontinue that practice making it official.

Force moved to suspend the program. Seconded by Robinson.

Motion carried 5-0.

9) Discussion and Possible Action on Sole Source Purchase of Polymer for the Gravity Belt Thickener and Belt Filter Press.

Brooks stated we are seeking a sole source purchase of Polymer for the Gravity Belt Thickener and Belt Filter Press.

Lindman added there was also an additional option to renew for a second year based on review of prices by staff.

Gehin moved to accept staff's recommendation on the sole source purchase of Polymer and the Belt Filter Press. Seconded by Herbst.

Motion carried 5-0.

10) Discussion and Possible Action on Sole Source Purchase of an Emergency Bypass Pump System.

Brooks stated we are seeking approval on the sole source purchasing of an Emergency Bypass Pump that is used in the event of an emergency of lift stations while draining or transferring processed liquids. We do not have a pump of this size which is 6 inches.

Robinson questioned if we could advance it towards procurement policies versus sole sourcing.

Lindman stated we didn't go out on a closed bid process, anything over \$25,000 would require a bid, these are quotes versus a bid, so procurement policy requires us to run a sole source.

Groat replied to clarify the motion/ modify procurement to quote, obtain given the need to develop special product and accept the lower/preferred vendor.

Force questioned the urgency of this need.

Brooks replied this was an item that has been listed for several years and he was asked this to be one of the first items to be brought forth.

Force moved to accept the recommendation on the sole source purchase of an Emergency Bypass pump system from the local pump supplier that had the lower cost. Seconded by Gehin.

Motion carried 5-0.

11) Discussion and Possible Action on Consent to Termination of the Redevelopment Agreement by and Between the Redevelopment Authority of The City of Wausau, Wisconsin and Wausau Joint Venture.

Jacobsen stated this was a formality. The parties have agreed as conditions in the second amendment that would terminate the original redevelopment plan and then terminate the original redevelopment agreement. Both actions would be taken by the Redevelopment Authority. One of the conditions was to get the four bodies to terminate the original redevelopment agreement.

Robinson requested if we could do the repeal contingent upon the second amendment in place.

Jacobsen stated it's contingent upon obtaining all of the approvals in advance so we are seeking to terminate the agreement before April 12th. The second amendment had many conditions, the chances of it not getting approved were very slim.

Robinson moved to terminate the 1979 redevelopment agreement. Seconded by Force.

Motion carried 5-0.

Gehin requested to go back to the Director's Report item and would like Brooks to

comment on his thoughts to help with staffing issues.

Brooks suggested that a lot of the water/wastewater positions both require skill trades and educated employees. To maintain and attract the employees we have now and in the future, the City of Wausau should remain competitive in the wage and benefit areas. The City of Wausau should have the desire and need for that and I would suggest that the City try to be more competitive with the current market.

Rosenberg thanked him for his suggestion.

12) Discussion on Future Meeting Dates and Times for Wausau Water Works Commission.

Rosenberg stated the dates/times were discussed already and advised the Committee to check their emails.

No Action Taken.

13) Adjourn.

There being no further business to discuss, motion to adjourn by Herbst. Seconded by Gehin.

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

Gina Vang, Recording Secretary

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Minutes of April 14, 2022

A meeting of the Wausau Water Works Commission was called to order at 12:30 p.m. in City Hall on Thursday, April 14th, 2022. In compliance with Wisconsin Statutes, this meeting was posted and receipted for by the Wausau Daily Herald on April 13, 2022.

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

Others Present: Eric Lindman, Scott Boers, Ben Brooks

Via WebEx: MaryAnne Groat, Stephen Opatik/ Becher-Hoppe, Matt Bednarski/CDM Smith, Andrew Dow/Donohue, Susan Wojtkiewica/Donohue, Angel Gebeau/AECOM

- 1) CLOSED SESSION Pursuant to Section 19.85(1)(e), Wisconsin Statutes, for the Purpose of Deliberating or Negotiating the Purchasing of Public Properties, the Investing of Public Funds, or Conducting Other Specified Public Business, Whenever Competitive or Bargaining Reasons Require a Closed Session, Regarding Consideration of Responses to the City's Request for Qualifications for Professional Experience Related to PFAS Treatment & Removal from Drinking Water.**

Robinson motioned into closed session Pursuant to Section 19.85(1)(e). Seconded by Herbst. Roll Call Vote carried unanimously.

- 2) RECONVENE Meeting into Open Session for the Purpose of Acting Upon Closed Session Item if Necessary.**

Robinson motioned to reconvene into Open Session. Seconded by Herbst. Roll Call Vote carried unanimously.

Robinson moved to begin negotiations with Wood Environmental & Infrastructures Solutions Inc. Seconded by Force.

Rosenberg thanked everyone for all their expertise and reiterated the motion to begin negotiations with Wood Environmental & Infrastructures Solutions Inc.

Motion carried 5-0.

- 3) Adjourn.**

Motion to adjourn by Herbst. Seconded by Gehin.

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 – April 2022

WATER DIVISION

1. Drinking Water Treatment Facility Construction Update (Becher-Hoppe)
2. As of 4/26 our Water Plant Technician position remains unfilled. We interviewed the only qualified candidate for this posting on March 30th. Staff requested an offer go out immediately after the interview. On 4/8 we were notified that the offer had been accepted. Currently the candidate is in process.
3. Distribution Maintainer Garrett Pagel's last day was April 22. Garrett joined our team about 1 year 8 months ago. Garrett came to us with both meter and cross connection experience, he will be missed. We wish him well in his new employment.
4. As of 4/27 another Distribution Maintainer Posting will be closing. This is a repeat posting to fill the position vacated December 9th of last year. Hopefully we can fill both empty maintainer positions with this posting.
5. Staff and CDM Smith/ Clark Dietz met with WDNR to discuss our Corrosion Control Treatment Study this last month. Final report including any recommendations will be due March of 2023.
6. The Water Department received two applications for its Summer Aide Positions. One candidate pursued other employment and the other didn't respond to an interview invitation.
7. Diggers Hotline Tickets as of April 28th, 1287, for the year. 1000 of those were done in April.

8. Staff repaired 4 main breaks and 2 services in the month of April. So far, a total of 26 excavations for repair to date for the year.
9. Rain Barrels are available for purchase and the announcement to the media went out on Tuesday, April 26 and the rain barrels will be for sale through May 25th with the pick up event taking place on June 7th & 8th.

WASTEWATER DIVISION

1. Wastewater Treatment Facility Construction Update (Donohue)
2. The Wastewater Treatment Plant is operating well and is producing a quality effluent discharge.
3. One position remains vacant for the Wastewater Plant Operations Technician, and two positions vacant for the Collection Systems Technician, Sewer Maintainer. The shortage of staff, locates pouring in daily, and the daily demands of the Wastewater Project are making maintenance on the Collection System and Wastewater Plant slow down. Both Wastewater and Collection Systems are falling farther behind with daily scheduled maintenance. The Collection System Crew has been understaffed for the past two years, making it hard for current staff to keep up with daily task. The Wastewater crew is falling behind on their daily tasks due to the new systems being place in service and maintaining them. Due to the lack of knowledge of the equipment and the industry as a whole, it is taking much longer to train new hires and the quantity and quality of work suffers.
4. Collection System Technician (Sewer Maintainer): Second round of advertising yielded zero qualified candidates so a third round of advertising commenced and will close April 29, 2022. Staff are hopeful to receive qualified applicants.
5. Wastewater Plant Operations Technician requisition form and job description are in the reviewing stages yet, but hopeful to be out for advertising mid-May.
6. Summer Aide positions: No applicants received to date. May need to outsource summer mowing duties.
7. Industrial Park force main has successfully been cleaned. Pig launching piping, fabricated by the contractor, was purchased by the City for future pigging maintenance. It was recommended by contractor launch a pig through the force main at least once annually.
8. Plant construction continues to progress with new equipment start-ups occurring weekly.

Wausau Drinking Water Treatment Facility - Project Status

May 3, 2022

Drinking Water Treatment Facility

The focus of the work is completing building finishes, electrical/control installation, and coating remediation on ductile iron fittings.

Contractors completed piping connections from Well 10 and Well 11 to the treatment facility. In the next few days, they will begin supplying well water to the site for pipe pressure testing, well as filling treatment tanks for cleaning, final tank seepage testing, and treatment equipment startup.

As noted previously, all electrical and control wiring is complete. The server was delivered to the site the last week of April and the contractor will begin checking communication circuits between all instruments, controls, and equipment (I/O testing). After I/O testing is complete, the control software will be loaded for initial check-out and testing. That process will take several months and is concurrent to equipment start-up.

The removal and replacement of the coatings on ductile iron fittings is approximately 50 % complete. Around two thirds of the fittings have been sand blasted and one half of the fittings have been re-primed and coated.

Administration Building and Garage

The administration building and garage are on schedule for mid-summer completion. Floor tile, carpeting, and ceiling tile installation are nearly complete. All the walls are painted, and contractors are starting to install cabinetry and hang interior doors. The garage area is 90% complete.

Well House Improvements

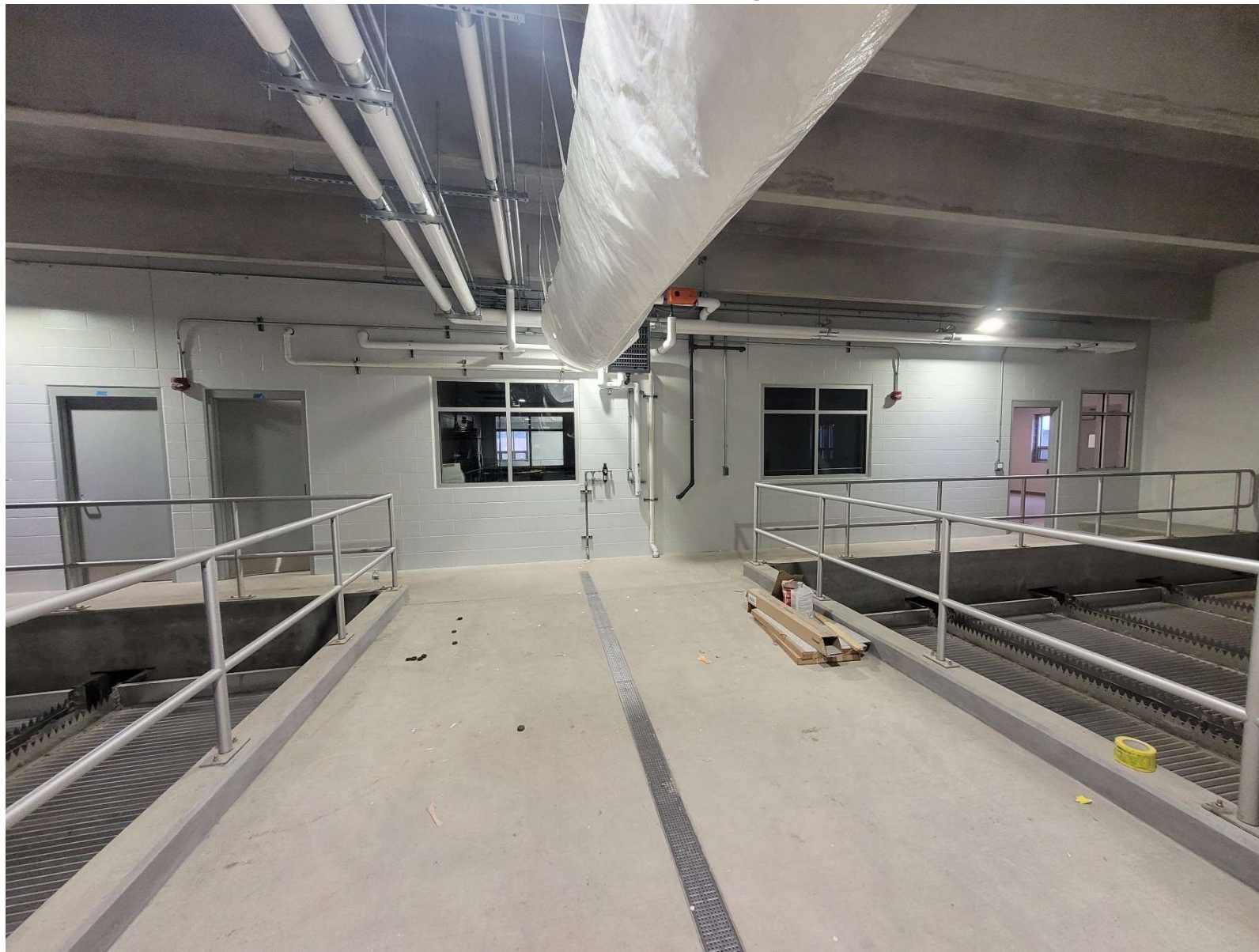
Improvements continue at several of the Well Houses. In addition to the required electrical and piping improvements, the City is taking advantage of the down time to have a contractor remove the well pumps at several locations and rehabilitate them.

Offsite Utility Modifications

Contractors continue to complete water main changes in the area south of the plant. Most of these changes are associated with re-using the large watermain that currently delivers untreated well water to the existing treatment facility. Planning is underway for cleaning and disinfection of this pipeline and is scheduled to be completed mid-July.

In early May, the contractor will also begin installation of a new section of water main near the existing drinking water treatment facility. The engineering team and City staff have been coordinating with the contractor to complete this section of work prior Woodchucks games and the Riverfront busy season.

Clarifier Room Painting



Grade-Level Pipe Coating



Water Main Connection to New Facility. Lighter Color Pipe is Existing Water Main to be Reused



Manhole and Sanitary Sewer Installation – Bugbee Ave.



Admin. Bldg. – Conference Room



Admin. Bldg. – Kitchen Area in Break Room



Admin. Bldg. – Vehicle Storage Garage



Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58

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 provides 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 participating 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 are working on the various systems programming that will need to be completed as the new unit process systems are brought into operation.
- Donohue continues working with the WDNR and Owner to add a Class A [biosolids] outfall to the WPDES permit.
- Processed Change Order 17.
- In Process of preparing Change Order 18.
- Preparing SOPs and Training materials. Assisting with process startups.

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.

Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58

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):
 - Electrical work, conduit placement, wire pulling and equipment placement by Van Ert Electric continue in the electrical and raw wastewater rooms.
 - Gas compressor room lighting and wiring are being installed along with connection of equipment for control and power.
 - R-Industries continues demolition of the old gravity belt thickener, process and gas piping, pumps, facility boilers and HVAC equipment throughout the structure.
 - August Winter & Sons, Inc. placed new sanitary piping in lower level as well as new sump pumps.
- Structure 110 (Vehicle Storage Building)—No work occurred at this structure.
- Structure 120 (Administration Building)—No work on structure.
- Structure 200 (Grit Building)—Structure 200:
 - Checkout and startup of the grit pump, grit hopper and grit equipment was completed.
 - Plant workers received training on the new grit system and as a result, plant flow was routed back through the grit system.
 - Miron has placed the access stairs in the structure.
 - August Winters installed the raw wastewater (RWW) piping supports.
 - Van Ert continues to pull wire and get conduit and lighting prepped for installation.
- Structures 310, 320, 330 and 340 (Primary Clarifiers 1, 2, 3, and 4) along with Structure 350 (Primary Effluent Channel)—Preparation of the scum manhole and trough for Primary Clarifier 3 occurred so that both items can be sand blasted and painted by Omni.
- Structure 400 (Activated Sludge Building):
 - New return activated sludge (RAS) pumps was completed.
 - Vendor checkout and startup of the RAS and WAS pumps for Structures 510 and 520 (Secondary Clarifiers 1 and 2) was completed.

Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58

- Van Ert is completing wiring and placement of new buckets into MCC 7 and MCC 8. They are also completing wiring of power and controls to the returned activated sludge (RAS) and waste activated sludge (WAS) pumps.
 - Miron continues work on concrete demolition in lower level.
 - WAS pump pads were poured in lower level.
- Structure 404 (Junction Box)—Wet weather gate installed by August Winters and was checked out by manufacturer's representative. Miron placed the grating on structure.
- Structure 405 (Anoxic Selector Tank) and Structure 406 (Mixing Tank)—Currently in operation and no work occurred at these structures.
- Structure 410 (Activated Sludge Basins):
 - Aeration basins 1A, 1B and 1C went into to service for the plant.
 - Wet weather gates in the north channel as well as the north influent channel gate were checked out by manufacturer's representative.
 - The mixed liquor recycle pump for Aeration Basin 1 was checked out and started up.
- Structure 415 (Basin Drain Pump Station)—Completing the conduit work to the structure for power, controls and disconnects.
- Structure 420 (Mixed Liquor Channel) and Structure 500 (Secondary Splitter)— Installed a temporary effluent flow meter at Structure 500 and grating installed by Miron on Structure 420.
- Structures 510 and 520 (Secondary Clarifier 1 and 2) and Structure 515 (Secondary Scum Manhole 1):
 - Clarifiers 510 and 520 had the mixed liquor (ML) influent baffles installed.
 - The baffles' coating was touched up by Omni.
 - Integrity Grading and Excavating placed the Structure 515 scum manhole and valve vault.
 - August Winters started placing the valve vault piping and valves.
- Structure 530 (Secondary Clarifier 3)—The clarifier has been operating very well since it was placed back in operation.
- Structure 535 (Secondary Scum Manhole 3)—This structure is in operation.
- Structure 540 (Secondary Clarifier 4)—Clarifier is still working well.

Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58

- Structure 600 (Effluent Building):
 - Secondary effluent channel gates in the UV area were checked out by a manufacturer's representative.
 - Secondary effluent flow meter, sampling and ortho-phosphate analyzer were moved from their temporary location to their respective permanent locations within the new UV area.
 - The new Trojan UV system lights were installed by manufacturer's representatives and technicians, with the system also getting checked out and started during this time.
 - City staff received training on the new Trojan UV system.
 - The Trojan UV system was placed in service to for its 7 day testing run period; during this time the fecal colony count was completed to determine if the system was performing properly. Testing indicated a 0 fecal colony count on the secondary effluent.
 - Miron continues demolition of old concrete structures and placement of new concrete in the disk filter area.
 - The lower W3 room, secondary effluent piping and W3 piping painted.
 - August Winters is working on piping for secondary effluent pumps and discharge, disk filters and preparing for the placement of the disk filters.
- Structure 610 (Chemical Building)—Magnesium hydroxide solution (MHS) and Sodium Hypochlorite (SHC) chemical feed and storage systems are in operation for alkalinity adjustment and plant effluent (W3) disinfection, respectively.
- Structure 700 (Digester Building) and Structures 710, 720, 730 and 740 (Digesters 1, 2, 3 and 4):
 - Vendor check out and startup of Structure 740 (Digester 4) mixing pump occurred, with City staff being trained on the mixing pump as well.
 - Structure 710 (Digester 1) was filled so that this digester can be placed back in operation.
 - Filling of Structure 720 (Digester 2) began with sludge from Structure 710 (Digester 1).
 - Emptying of Structure 740 (Digester 4) has begun so that this digester can be cleaned and have the old cover removed and a new cover placed.
- Structure 755 (Waste Gas Burner)—Biogas flare is in operation.
- Structure 760 (Biosolids Storage Building)—Work has stopped on this structure until spring (late April/early May).

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58

- **Structure 770 (Solids Building):**
 - City staff continued to receive SCADA training during the month.
 - Dryer Input/Output and equipment checkouts continued throughout the month.
 - Belt filter presses (BFPs) checkout and startup was completed by Charter Machine, with City staff receiving training on the BFPs as well.
 - Sludge screen equipment representatives were back on site to replace pneumatic valve and startup the screens.
 - City staff received training on the sludge screen operation.
 - Insulation of piping and equipment is almost complete.
 - Clean up of area has begun.
- **Structure 775 (PSD Thickener) and Structure 776 (Basin Drain Pump Station 2)**—Structure 775 and 776 have been placed in service. Structure 775 has been in operation for the primary sludge thickening.
- **Tunnel 900**—Primary sludge pumps' checkout and startup occurred for pumps 1, 2 and 3. Facility wide hot water service was put on line. Painting continues of process piping and gas lines.
- **Tunnel 910**—Work in the 910 Tunnel remains idle except for some cleanup of equipment and materials.
- **Site Work:**
 - Integrity Grading and Excavating completed the mixed liquor (ML) piping tie-ins from Structure 500 (Secondary Splitter) to Structures 510 and 520 (Secondary Clarifiers 1 and 2).
 - W3 yard hydrants at the north side of Structure 520 (Secondary Clarifier 2) and Structure 500 (Secondary Splitter) were completed.
 - Phosphorus removal chemical line installed up to Structure 420 (ML Channel).
 - Installation of the Structure 515 (Scum Manhole 1) and valve vault was completed.
 - Tie in of new scum lines from Structure 515 (Secondary Scum Manhole 1) to Structure 200 (Grit Building) was completed.
 - Miron removed the 100 ton crane from the site; currently, there are only two cranes remaining, the 80 ton and 165 ton cranes.
- 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

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

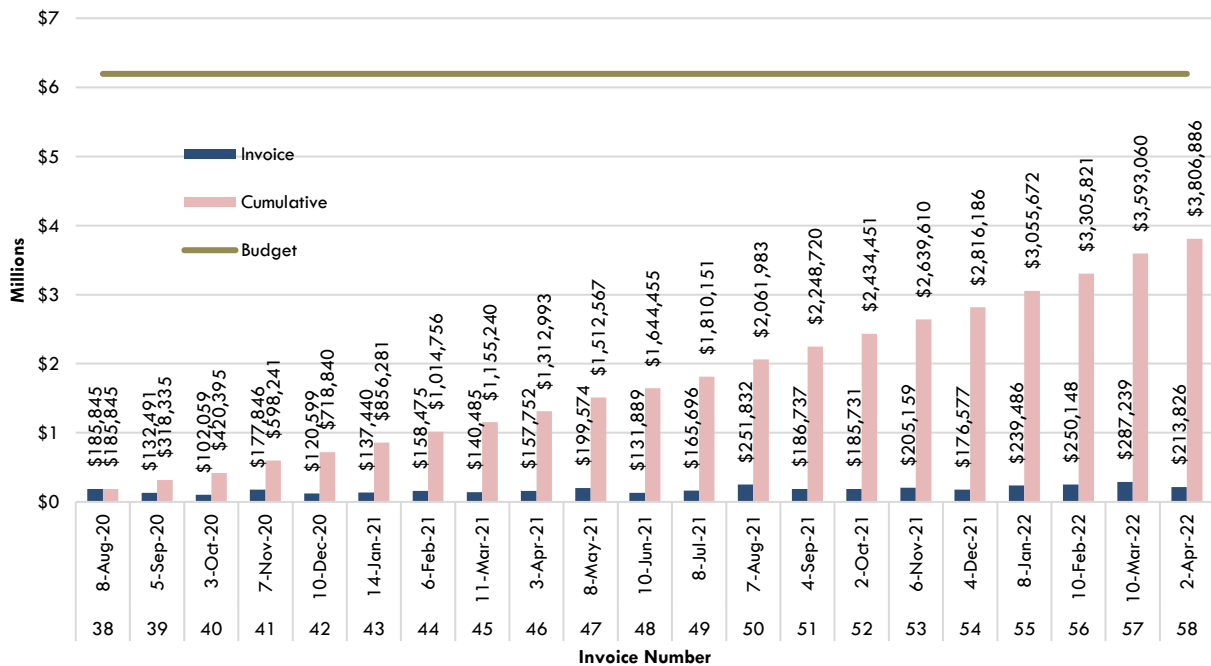
Invoice 58

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

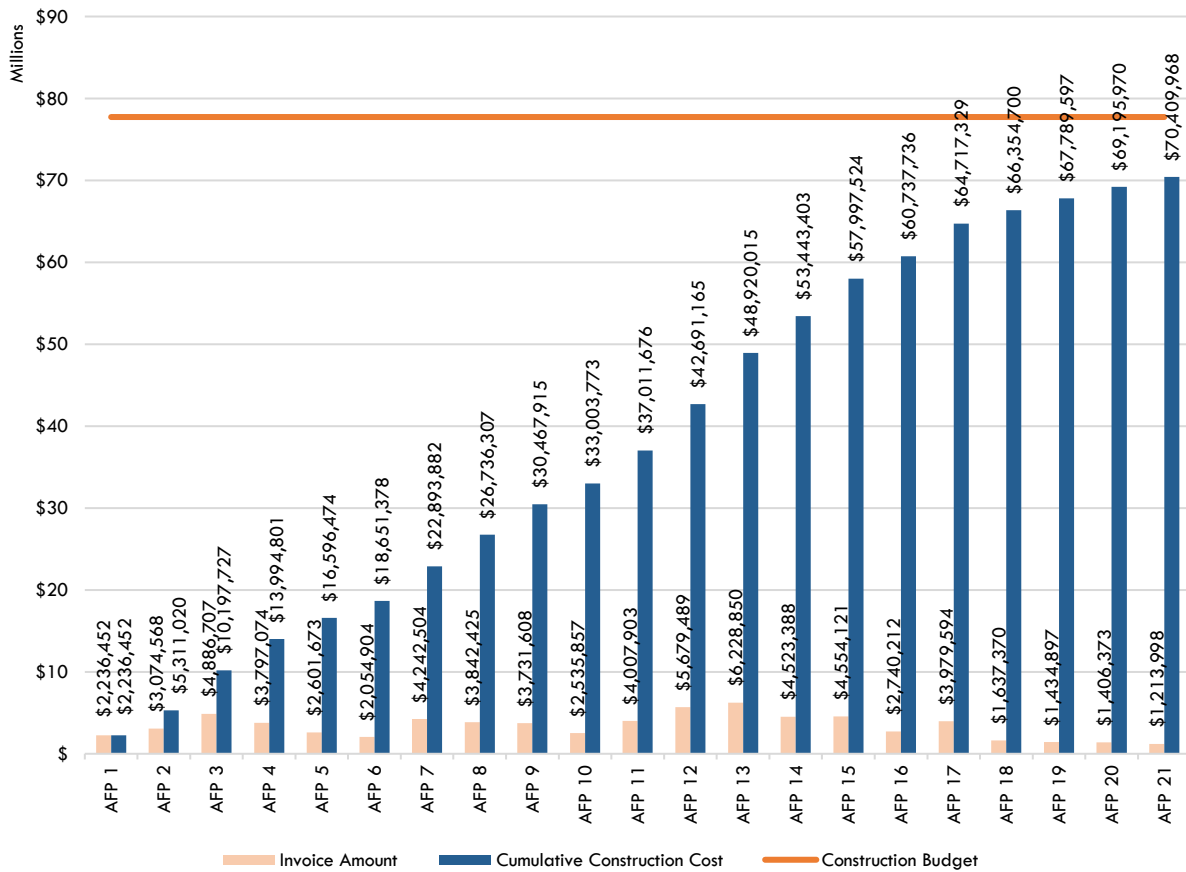
City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58

Construction Budget: Pay Applications Approved by Engineer



Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

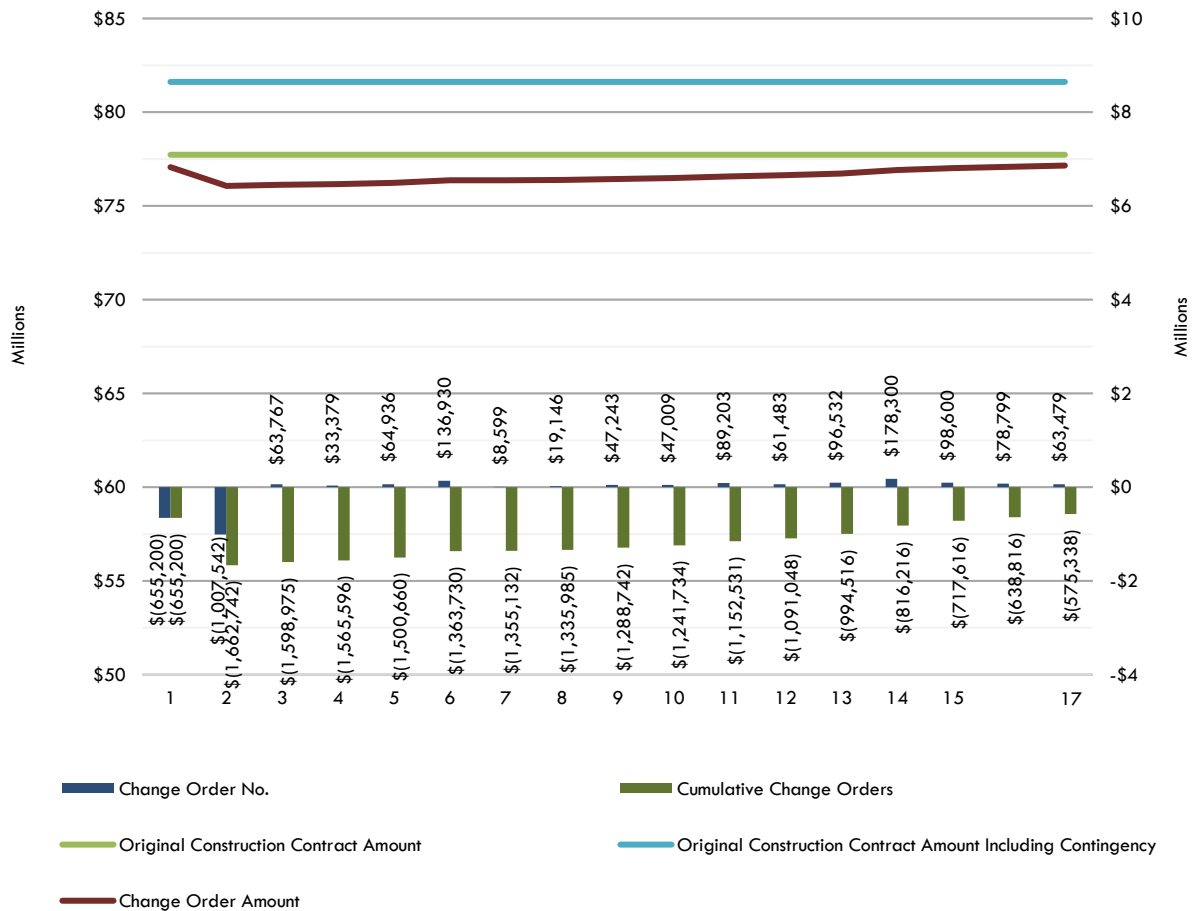
City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58

Overall Project Budget



Budget Notes:

1. No budget issues at this time.

Remarks

1. None.

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

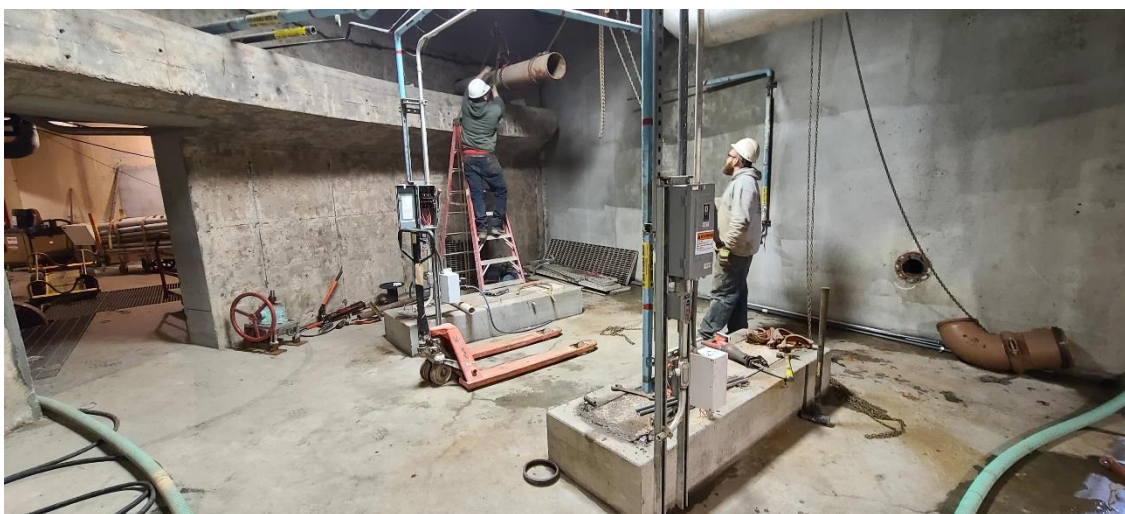
Period | March 6, 2022 – April 2, 2022

Invoice 58

Construction Photographs



Wiring for control and power to new digester gas compressor and installation of lights at Structure 100 (Main Building).



Structure 100 (Main Building): R-Industries performing demolition work on piping and old gravity belt thickener pumps where concrete pads still stand.

Project Status Report

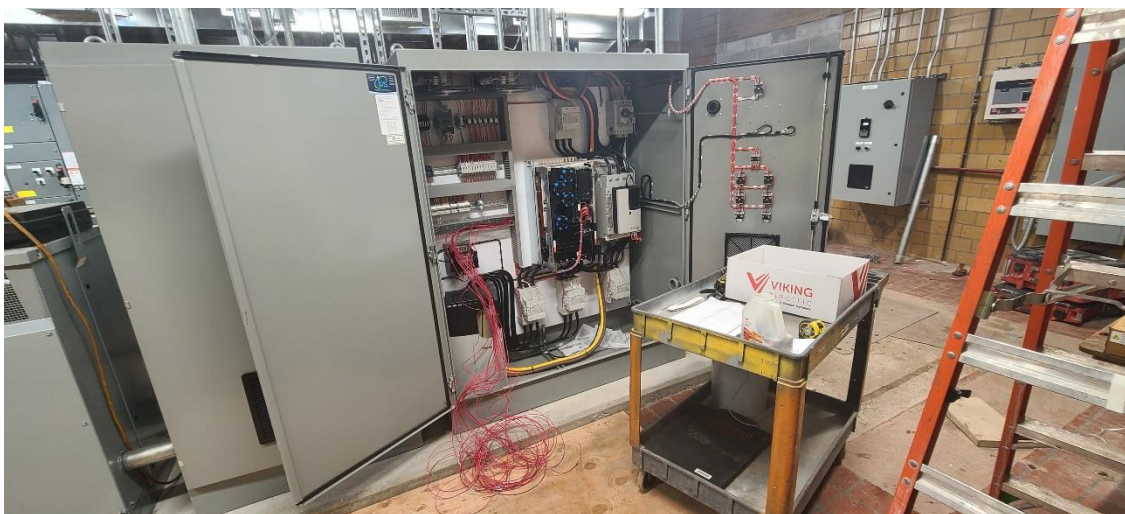
Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

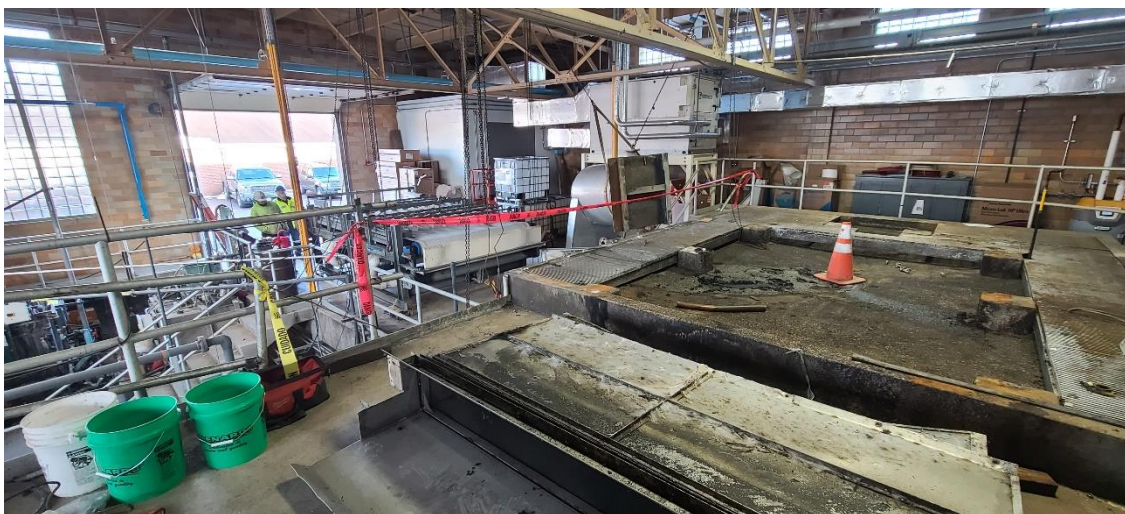
Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Wiring of raw wastewater (RWW) pump VFDs in new electrical room of Structure 100 (Main Building).



Demolition of old Aqua Belt gravity belt thickener at Structure 100 (Main Building).

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



New lower level sump pumps, piping and cover at Structure 100 (Main Building).

Project Status Report



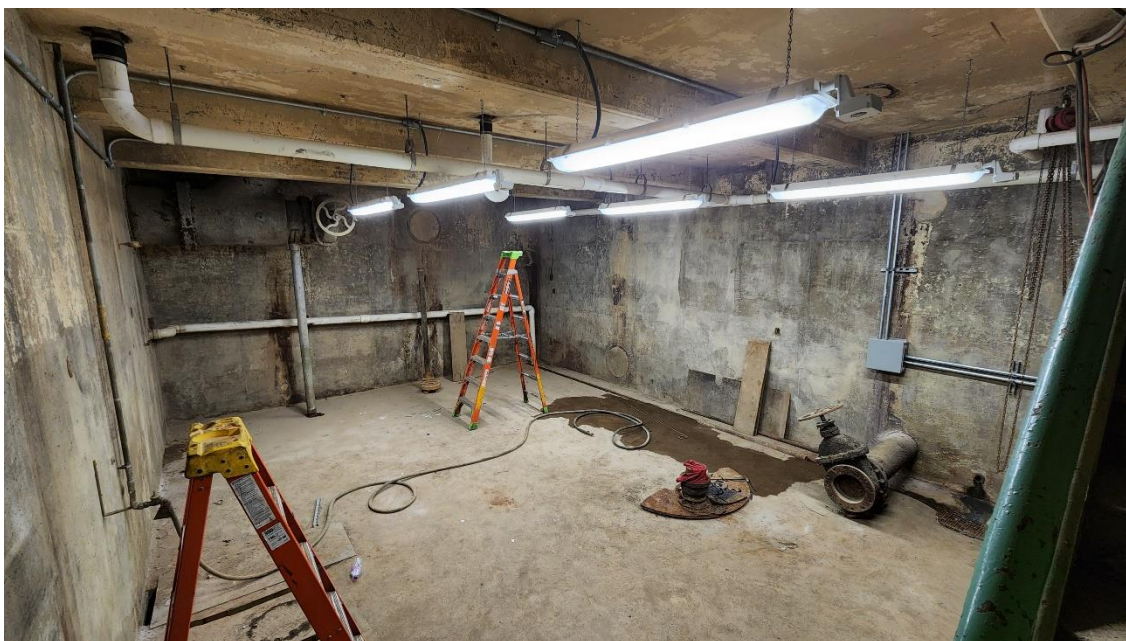
Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Structure 100 (Main Building) is now much brighter with new lighting placed in all of lower level.



Grit pump and propeller equipment disconnects and HVAC duct work at Structure 200 (Grit Building).

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Primary effluent flowing through new grit equipment at Structure 200 (Grit Building).



Omni sand blasting and painting set up for Structure 310 (Primary Clarifier 1) scum manhole

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

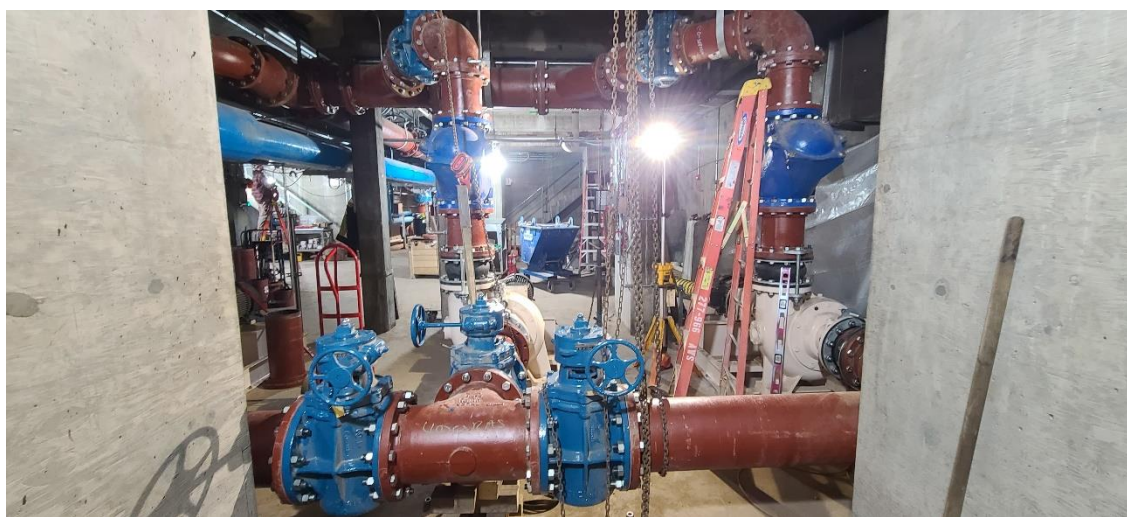
Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Sand blasting Structure 310 (Primary Clarifier 1) trough to prepare for coating.



August Winters placing RAS piping and pumps in lower level of Structure 400 (Activated Sludge Building).

Project Status Report

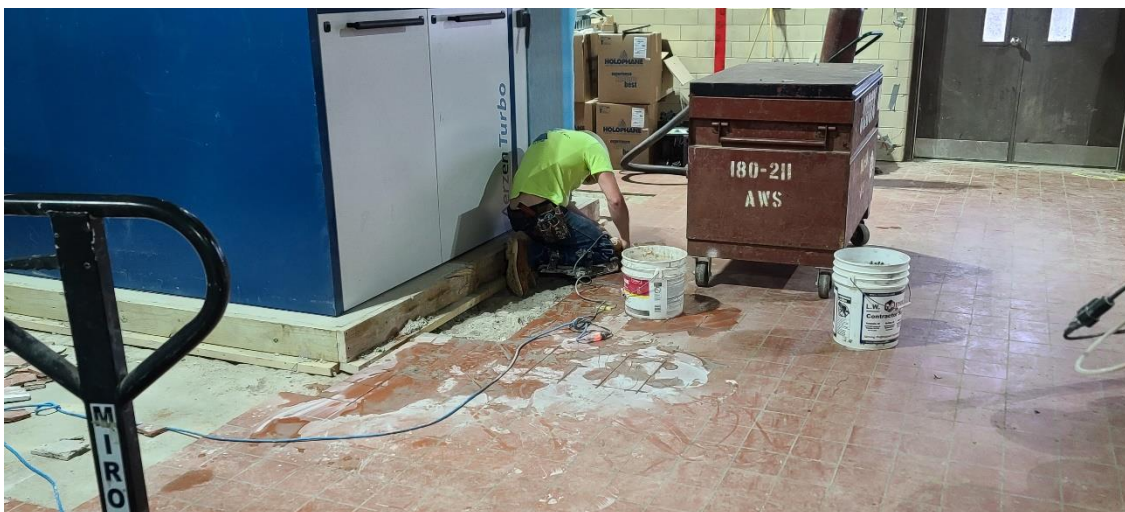
Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Prepping for tile work around blowers at Structure 400 (Activated Sludge Building).



Structure 400 (Activated Sludge Building) painted return activated sludge (RAS) pumps and piping.

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

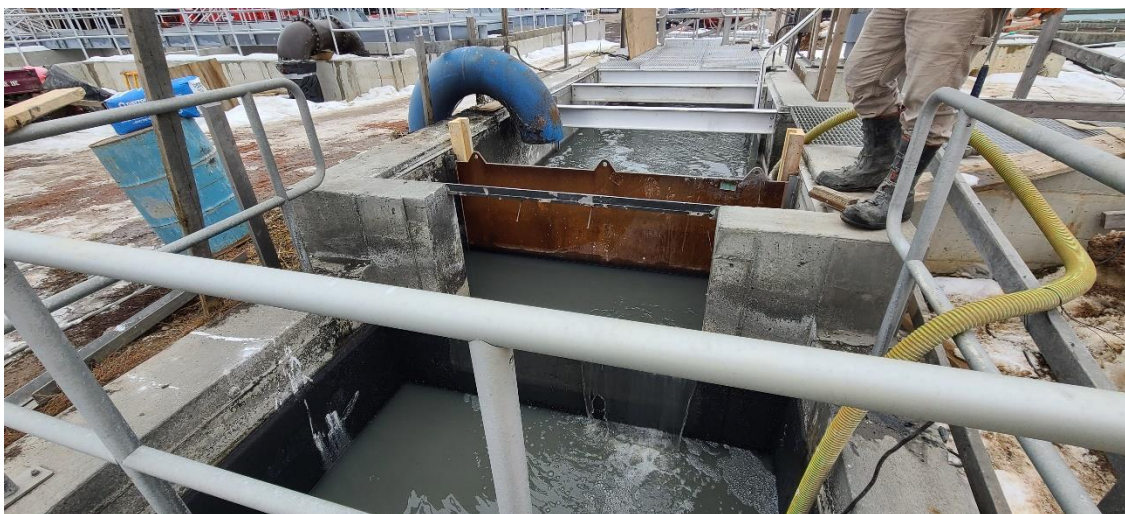
Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



New return activated sludge (RAS) pump disconnects installed at Structure 400 (Activated Sludge Building).



Structure 404 (Junction Structure): temporary plate placed to prepare the channel for placement of the new wet weather gate.

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Wet weather gate placed and grating being placed on Structure 404 (Junction Structure).



Van Ert Electric working on new dissolved oxygen probe cleaning system for Aeration Basin 1 of Structure 410 (Activated Sludge Basins).

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

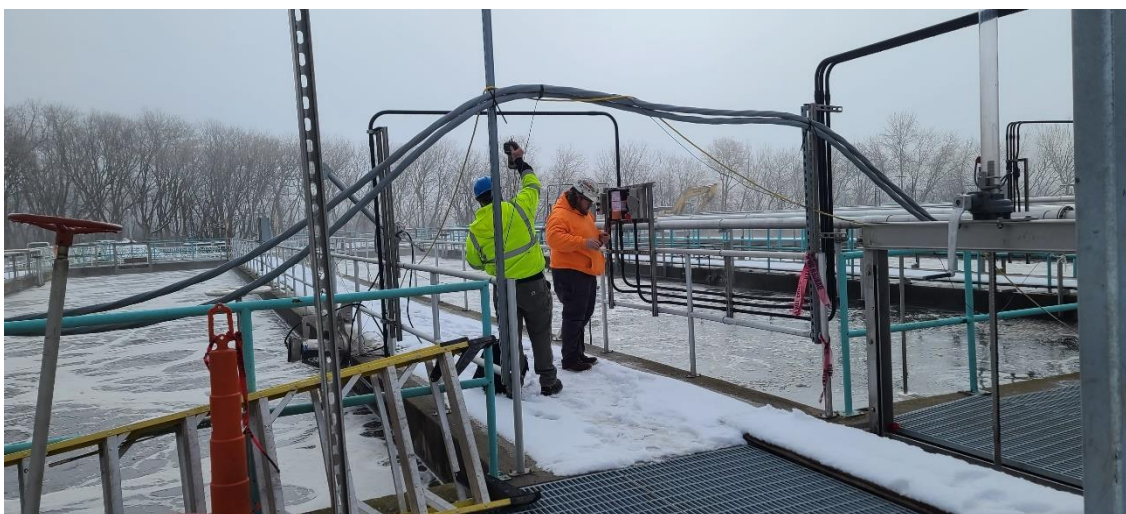
Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Keeping grout warm so it will set up properly for north influent gate placement at Structure 410 (Activated Sludge Basins).



North Aeration Basins mixed liquor recycle pump vendor checkout.

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Structure 410 (Activated Sludge Basins): North Aeration Basins 1A, 1B and 1C in operation for first time with new equipment and diffusers.



Completion of conduit work to Structure 415 (Basin Drain Pump Station) for power, controls and disconnects.

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Structure 515 (Secondary Scum Manhole 1)

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



New baffles placed in Structure 520 (Secondary Clarifier 2).

Project Status Report



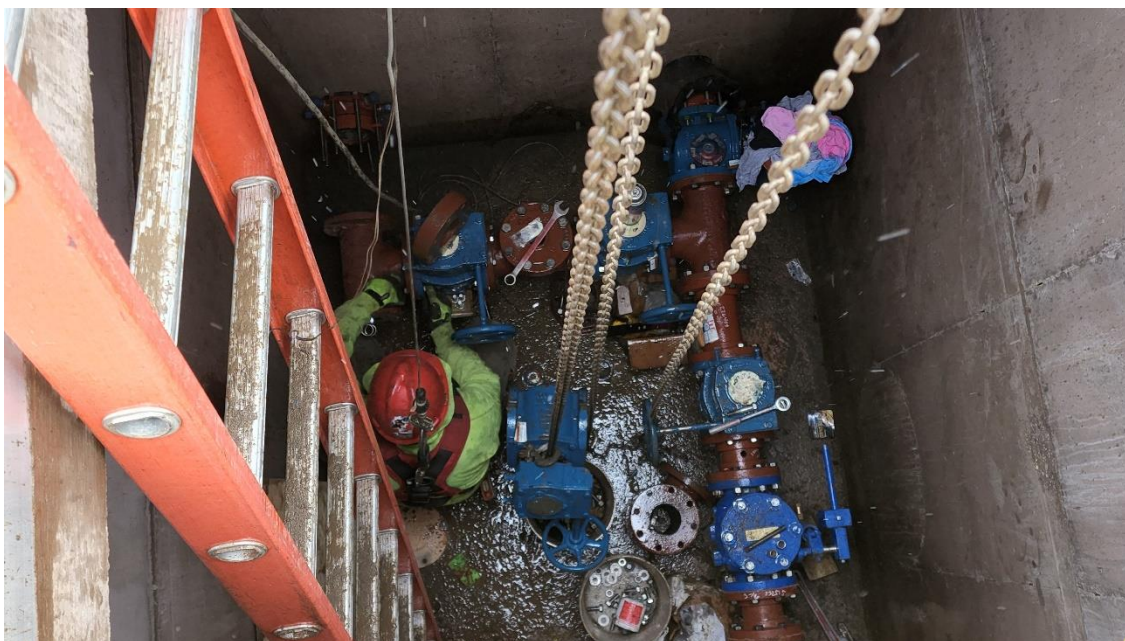
Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Contractor placing new valves and piping in Structure 515 (Secondary Scum Manhole 1) valve vault.



Rebar being placed for new secondary effluent treatment basins of Structure 600 (Effluent Building).

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

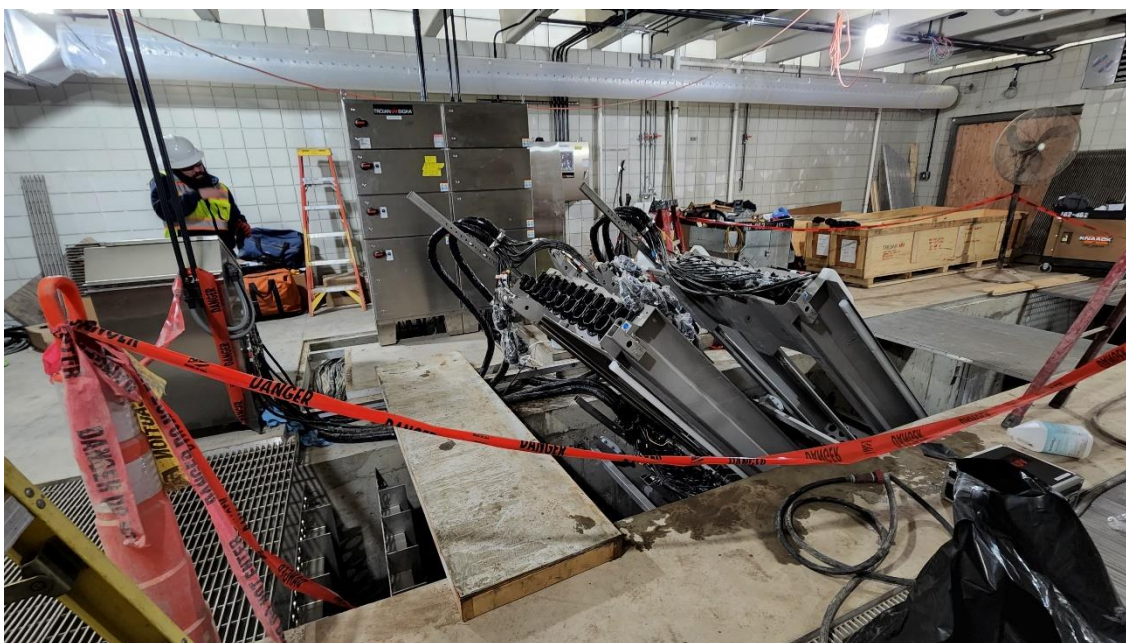
Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Inlet connection piping wall fittings to Disk Filters Structure 600 (Effluent Building).



Vendor checkout and startup of ultraviolet (UV) disinfection system of Structure 600 (Effluent Building).

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

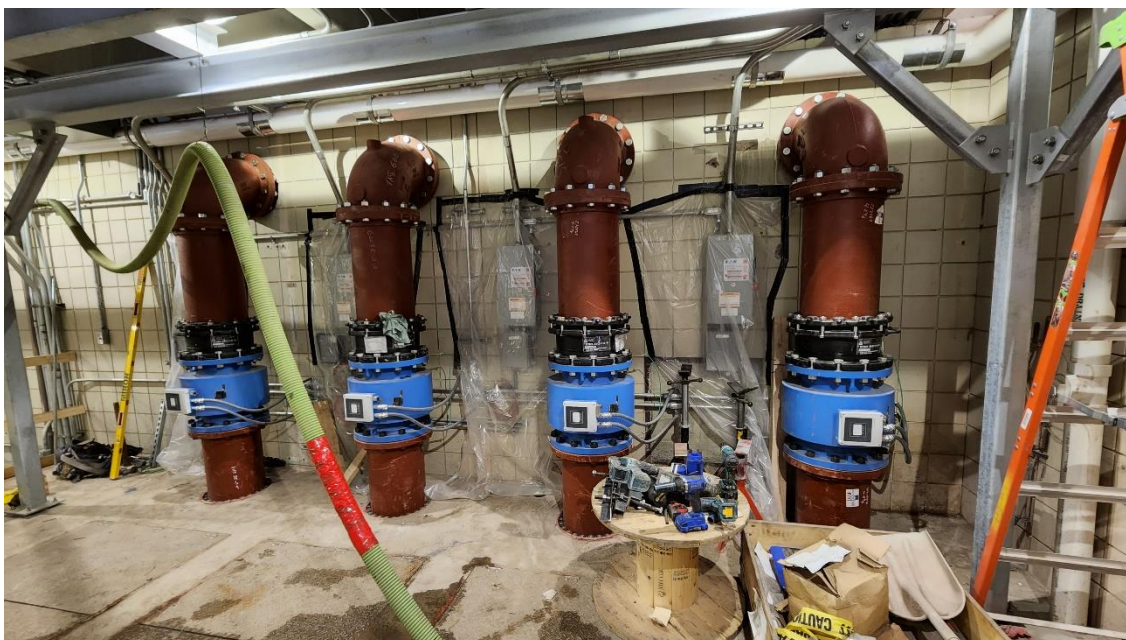
Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Plant effluent flow going over the UV channel weir for the first time at Structure 600 (Effluent Building).



Structure 600 (Effluent Building) southeast flow meters and discharge piping as well as monorail structure for pump removal.

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

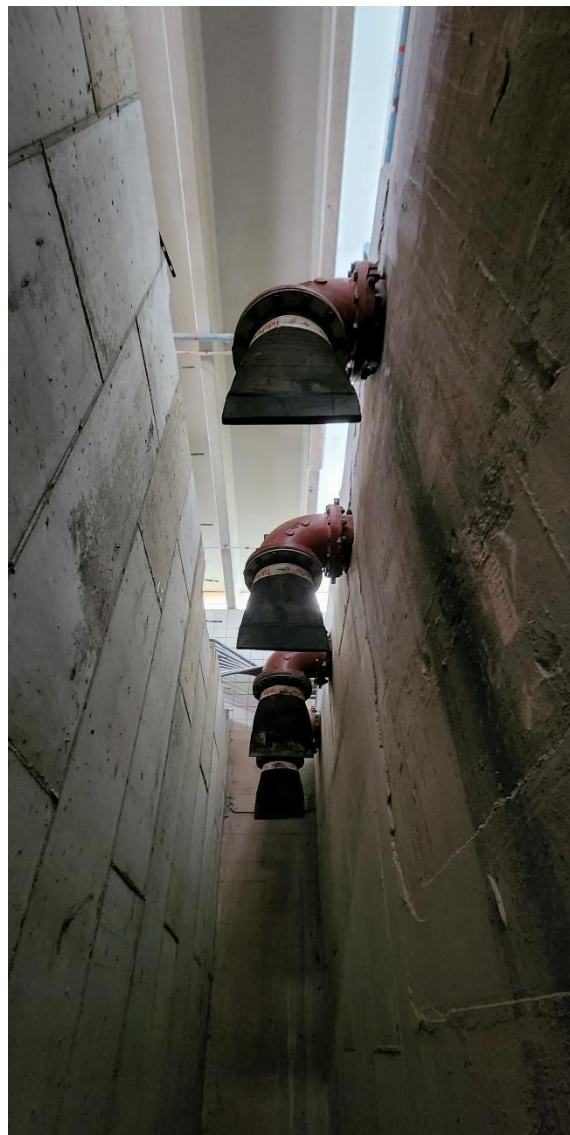
Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



UV disinfection in operation at Structure 600 (Effluent Building).



Southeast discharge piping duckbill valves installed at Structure 600 (Effluent Building).

Project Status Report

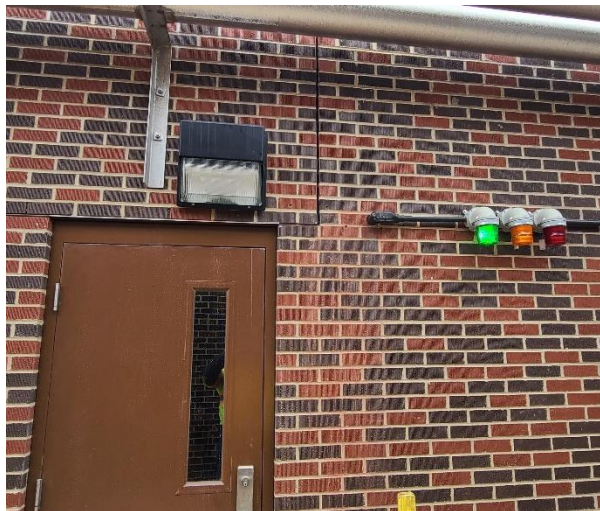
Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Gas monitoring detection lights located on the outside entry to the new biogas handling room and new exterior lighting on Structure 700 (Digester Building).



New interior lighting place in gas handling room of Structure 700 (Digester Building).

Project Status Report

Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Sludge screen chutes and collection bins ready to receive primary screenings at Structure 770 (Solids Building).



Structure 770 (Solids Building): unfortunately, sometimes leaks and messes occur during startup of new equipment.

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

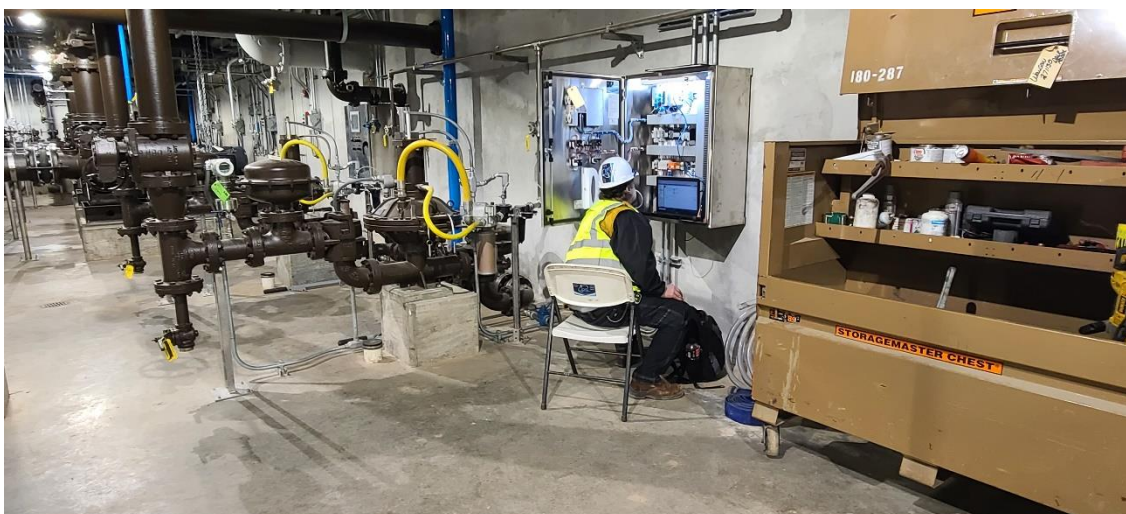
Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Receiving sludge from BFPs through sludge bypass line at Structure 770 (Solids Building).



Integrator working on Input/Output and controls for thickened primary sludge (TPSD) pumps at Structure 770 (Solids Building).

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Charter Machine checking out and starting the belt filter presses at Structure 770 (Solids Building).



Painting of process pipe and gas lines continued in the 900 Tunnel

Project Status Report

Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Vender checkout and startup of the primary sludge pumps



North end of the 900 Tunnel with all old piping demolished.

Project Status Report

Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Integrity Grading and Excavating working on the mixed liquor (ML) line to Structure 510 (Secondary Clarifier 1).



Final fitting being bolted up for mixed liquor (ML) lines to Structure 510 (Secondary Clarifier 1).

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Precision Grading and Excavating placing material for an access ramp to be used for sludge screenings dumpster collection.



Conduit run for controls and power to Structures 510 and 520 (Secondary Clarifiers 1 and 2).

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 6, 2022 – April 2, 2022

Invoice 58



Placement of the first section of Structure 515 (Scum Manhole 1).



Parting Shot: on the Ides of March... the start of a second winter?

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:

April 7, 2022

Donohue Project No.:

13229

Invoice No:

13229-58

Project Manager:

Mike Gerbitz

Terms:

Net 30 Days

Billing Period:

03/06/22 - 04/02/22

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	\$	8,257,121.17
Charges Previously Billed	\$	8,043,295.67
Current Charges	\$	213,825.50

Summary of Current Charges

Labor (1139.5 hours)	\$	203,155.00
Reimbursable Expenses	\$	6,563.50
Permit Review Fees	\$	-
Subconsultants	\$	4,107.00
Total	\$	213,825.50

Current Charges Due	\$	213,825.50
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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>
\$213,825.50	\$287,239.49	\$250,148.28	\$0.00	\$0.00



TO: Wausau Waterworks Commission

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

DATE: May 3, 2022

SUBJECT: Staffing Shortages – Ongoing and Concerning

Update on staffing shortages and implications

- The utility has been short staffed in some capacity now going on over two years. This has continued to result in deferring O&M and struggles meeting compliance requirements for both W&WW in 2022. The shortage of staffing has resulted in lack of maintenance on the collection/distribution systems with more expenditures for contracted emergency work and delays in getting started/scheduling our annual routine work to meet compliance. Job descriptions have been reduced to just about bare bones, meaning our applicants are coming on with no experience. We continue to advertise with CDL requirements for wastewater because we only have four on the collection crew when fully staffed. These are skilled labor positions and there must be some minimum qualifications to know individuals have an aptitude and ability to learn with this type of work. The city council has waived wage Steps 1&2 and allowed minimum pay to start at step 3 in a 17 step pay scale. There was also a decision made to advance employees (who are below mid-point) two steps a year instead of one, so they may reach midpoint sooner and help with recruitment. Both of these actions are positive but have not been enough for us to fill our positions. It is imperative we fill these positions to stabilize our workforce in order to get back on routine O&M schedules. Retention of our longer term employees is also critical to stabilizing the work force, we need to find ways to incentivize them to stay with the utility and the best way to do this is through wages that are competitive with other utilities/ municipalities.

Stabilized Work Force

- We have spoken about apprenticeship programs and establishing these programs for training and succession planning but without a fully staffed work force in place we cannot adequately implement an apprenticeship program. Once the work force is stabilized, we would be able to start looking at possible apprenticeship programs and other opportunities to help build and improve our capability of O&M at the utility. Even our summer/seasonal positions we are unable to fill, again our wages are low. We are looking at contracting out our mowing and landscape operations this year because we will not be able to keep up with this work without seasonal staff.
- I have compared our utility skilled labor position wages with salary studies from AWWA (2019 & 2020 surveys) and WI Rural Water (2019 & 2021 surveys) to determine what, if any disparity, we are seeing. As the largest utility in the region we should be leading the way when it comes to skills, qualifications and wages and we should strive to be the leader within the metropolitan area. Comparing our skilled labor workforce to these

surveys we are and have been below the average wage for similar positions. As we move forward this will continue to be a larger disparity unless we make a commitment to start advancing wages and keeping up with market. The next wage study will not be implemented until 2024 so there is another 2-years before progress on wages will be made within the utility.

- 5-6 years between wage studies with no action or on increasing/supporting annual increases will continue to leave us well behind the rest of the workforce. This is very similar to how we manage our rate structure, the commission implements small rate increases as needed between rate cases to avoid large incremental rate increases when rate cases are considered by the PSC. We need to move this practice to our staff wages, staff is the largest and most important asset in the City.



April 27, 2022

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

Subject: PFAS Supplemental Consulting Services – Scope of Work

Dear Mr. Lindman,

Wood Environment & Infrastructure Solutions, Inc. (Wood) has prepared this proposal to the City of Wausau for consulting services related to per- and polyfluorinated alkyl substances (PFAS).

This proposal 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

Task 1 will involve Wood technical review of the pilot testing being conducted by the City's engineering firm, Donohue and Associates (Donohue), and includes a site visit, review of the work plan, review of results obtained to date, provide suggestions/recommendations for the continuation of the pilot program, and development of a work plan for a potential Rapid Small Scale Column Testing (RSSCT), also known as Accelerated Column Testing, program.

Task 2 will consist of execution of a RSSCT program based on the work plan developed from Task 1. The full scope of this task is to be determined.

Task 3 will consist of periodic meetings with Donohue and development of a Technical Memorandum (TM) for the City outlining Wood's review of the city's treatment needs as compared to national and international PFAS best practices.

Task 4 will consist of a TM for the City outlining Wood's recommended plan for long-term management of PFAS once a treatment solution is in place.

Task 5 will involve regular meetings with the City and technical stakeholders to develop a risk communication plan and provide guidance for public outreach throughout the project.

Activities under each task will only commence under direction of the City. Additional details on each phase are presented below.

SCOPE OF SERVICES

The scope of services is summarized by tasks in the following sections.

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.

Task 2 – PFAS Column Testing

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

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.

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.

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.

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

An itemized budget is provided on the spreadsheet provided in Attachment 1. All costs would be invoiced based on the actual units of work performed using rates previously approved by the DNR and presented in the budget spreadsheet in Attachment 1. The costs are based on the assumptions identified throughout this proposal.

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.



Evan Thomas, PE (WI 44840-6)
Project Manager/
Client Account Manager
Direct Tel.: 1 608-819-6494
E-mail: evan.thomas@woodplc.com



Hannah Albertus-Benham
Assistant Project Manager

Direct Tel.: 1 612-475-4922
E-mail: hannah.albertus@woodplc.com



Christopher Mitchell
Environmental Service Line Leader
E-mail: c.mitchell@woodplc.com

Enclosures: Attachment 1 – Cost Proposal

Proposal for PFAS Consulting Services
Wausau, Wisconsin
April 27, 2022



ATTACHMENT 1
COST PROPOSAL

Attachment 1 - Cost Proposal

PFAS Consulting Services

City of Wausau, Wisconsin

	wood.	LABOR RATES	Task 1 - Pilot Testing Technical Input		Task 2 - PFAS Column Testing		Task 3- Engineering Evaluation Peer Review		Task 4 -Defining Next Phases of PFAS Response		Task 5 - Risk Communication, Public Outreach, and Project Management		TOTALS	
	LABOR CATEGORY		HRS	COST	HRS	COST	HRS	COST	HRS	COST	HRS	COST	HRS	COST
LABOR	Principal Engineer/ Scientist	\$ 250.00	32.0	\$8,000		\$0	24.0	\$6,000	30.0	\$7,500	40.0	\$10,000	126	\$31,500
	Associate Engineer/ Scientist	\$ 220.00	12.0	\$2,640		\$0	40.0	\$8,800	40.0	\$8,800		\$0	92	\$20,240
	Senior II Engineer/ Scientist	\$ 190.00		\$0		\$0		\$0		\$0		\$0	0	\$0
	Sr. I Engineer/ Scientist/ Sr. Project Manager	\$ 165.00	12.0	\$1,980		\$0	12.0	\$1,980	12.0	\$1,980	40.0	\$6,600	76	\$12,540
	Staff III Engineer/ Scientist/ Project Manager	\$ 130.00	8.0	\$1,040		\$0	8.0	\$1,040	8.0	\$1,040	20.0	\$2,600	44	\$5,720
	Data Manager/Project Chemist	\$ 115.00	8.0	\$920		\$0		\$0		\$0		\$0	8	\$920
	Staff II Engineer/ Scientist	\$ 100.00		\$0		\$0	24.0	\$2,400		\$0		\$0	24	\$2,400
	Staff I Engineer/ Scientist	\$ 90.00	32.0	\$2,880		\$0	12.0	\$1,080	24.0	\$2,160		\$0	68	\$6,120
	Field Technician	\$ 85.00		\$0		\$0		\$0		\$0		\$0	0	\$0
	GIS/CAD Specialist	\$ 75.00		\$0		\$0		\$0		\$0		\$0	0	\$0
	Admin	\$ 65.00	4.0	\$260		\$0	4.0	\$260	4.0	\$260	8.0	\$520	20	\$1,300
	Subtotal Labor			\$17,720		\$0		\$21,560		\$21,740		\$19,720		\$80,740
ODCs	Reimbursables			\$2,603		\$0		\$0		\$0		\$0		\$2,603
	Equipment			\$0		\$0		\$0		\$0		\$0		\$0
	Subtotal ODCs			\$2,603		\$0		\$0		\$0		\$0		\$2,603
SUBS	Laboratory Analytical			\$0		\$0		\$0		\$0		\$0		\$0
	SUBTOTAL SUBCONTRACTORS			\$0		\$0		\$0		\$0		\$0		\$0
	PROJECT TOTAL			\$20,323		\$0		\$21,560		\$21,740		\$19,720		\$83,343

Project Status Report

PFAS Response

City of Wausau, Wisconsin

Donohue Project Number 14066

Status Report 3
Period | April 17, 2022 – April 27, 2022

Activities This Period

- Continued operation of pilot testing equipment, collected samples, compiled and assessed data. Pilot test equipment is operating as anticipated and a reduction in the concentrations of various PFAS across the test columns continues to be observed. Samples for PFAS are being collected and analyzed on a schedule approved by WDNR in the pilot test protocol which includes weekly sampling of the WTP filter effluent (pilot influent) and regenerable anion exchange column and sampling of the other pilot test columns once every two weeks.
- Supported City as needed with communications and information
- Supported contracting efforts with Wood to coordinate scope of services
- Provided information for City pursuit of PFAS response funding
- Continued to evaluate alternatives for interim solutions at new DWTF including PAC and supplemental GAC or IX system with collection of data from equipment manufacturers, conceptual layout(s) and cost opinions
- Prepared for and conducted workshop (PFAS Response: Interim and Permanent Strategies Update) for City staff on April 27

Near Term Activities

- Continue operation of pilot testing equipment, collect samples, compile and assess data
- Support City as needed with communications and information
- Continue to evaluate alternatives for interim solutions at new DWTF including PAC and supplemental GAC or IX system with collection of data from equipment manufacturers, conceptual layout(s) and cost opinions
- Provide update for May Water Works Commission meeting

Remarks

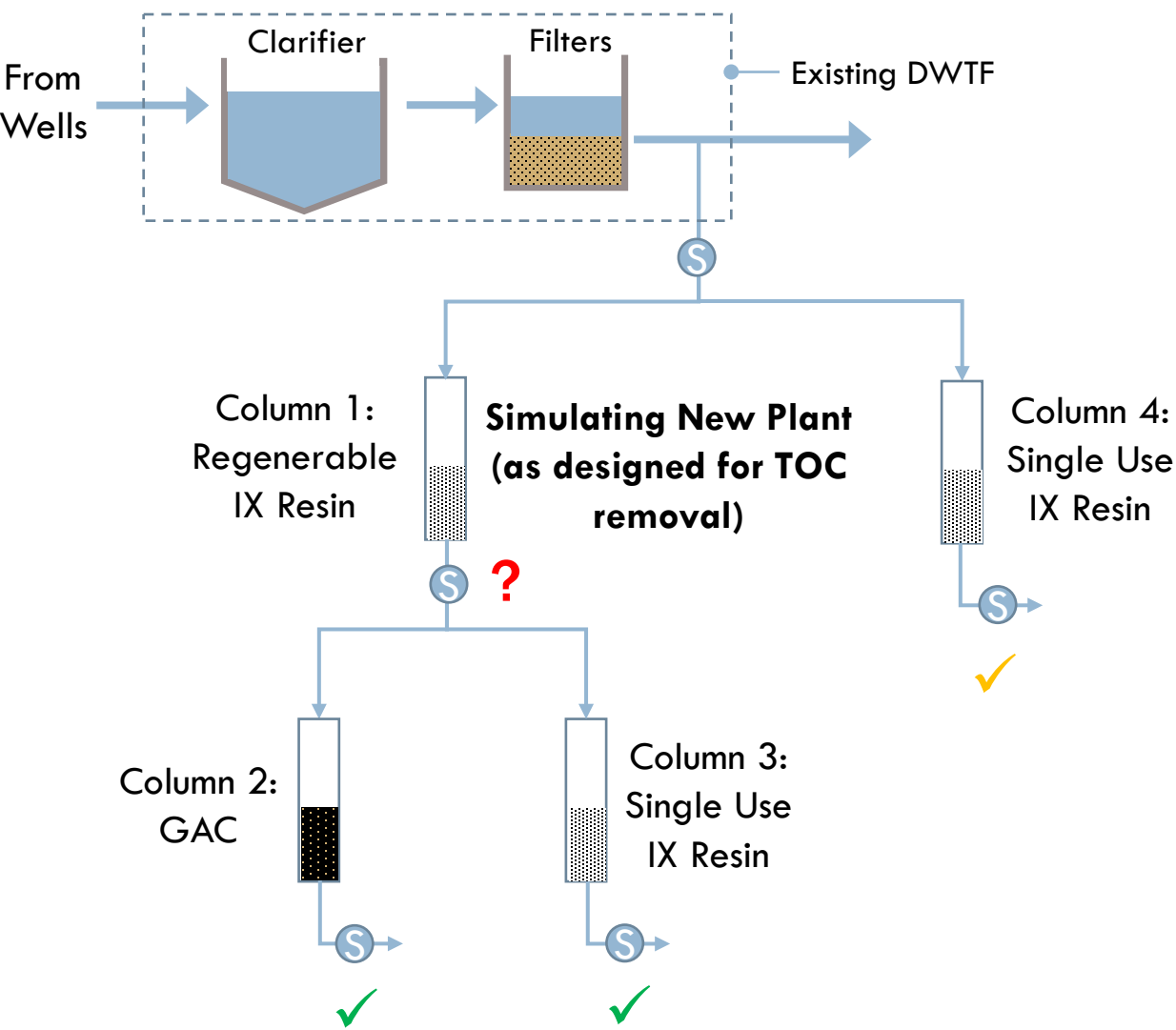
1. Implementation schedules for PFAS strategies are driven by numerous factors including equipment procurement and manufacturing lead times, regulatory review timeframes and installation labor. For certain sizing strategies, equipment vessels are one of the longest lead time components; currently there are minimum 6-9 month lead times for the largest available type of GAC vessels. Vessels available for more rapid delivery and installation are suitable for ion exchange or smaller volumes of GAC and would require procurement of additional vessels to provide a permanent GAC solution. Potential schedules for implementation were reviewed at April 27 workshop.

Wausau Water Works Commission PFAS Pilot Study Progress Update



May 3, 2022

Pilot Testing Overview – Operation



GAC = Granular Activated Carbon

IX = Ion Exchange

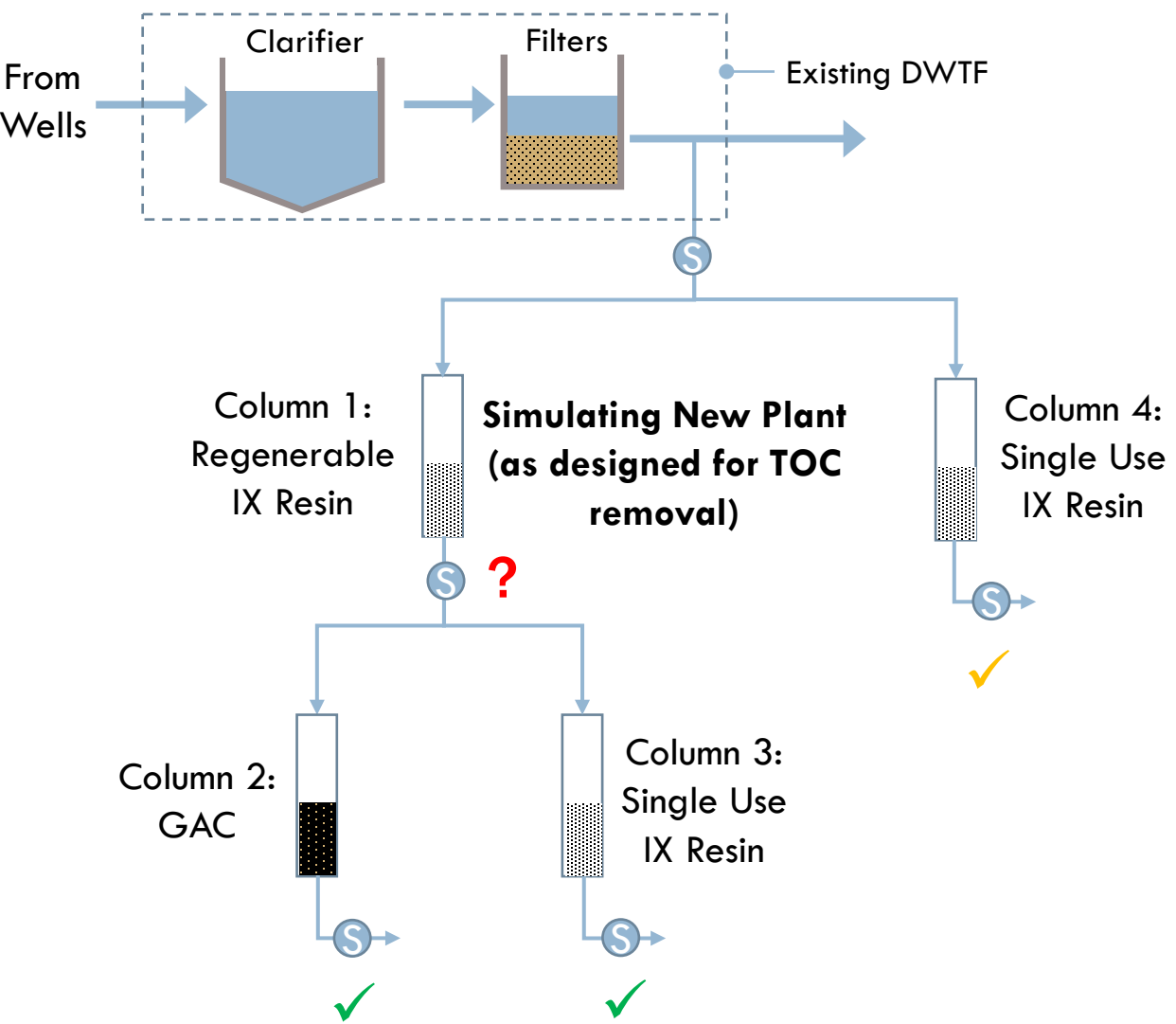
S = Sample Point

Sample Point	PFAS Sampling Frequency	Number of Results Received to Date
Filter Effluent (Pilot Supply)	Weekly	4
Column 1 – Regenerable IX	Weekly	4
Column 2 – GAC	Every 2 Weeks	2
Column 3 – Single Use IX	Every 2 Weeks	2
Column 4 – Single Use IX	Every 2 Weeks	2
Column 1 Regeneration Waste	Each regeneration (~every 2 weeks)	1

PFAS Analysis Overview

Carbon Chain Length	Carboxylic Acids (PFCA)	Sulfonic Acids (PFSA)	Fluorotelomer Sulfonic Acids (FTS)	Sulfonamides (FOSA)	Sulfonamidoacetic Acids (FOSAA)	Sulfonamidoethanol	Ether Carboxylic Acids and Sulfonic Acids (PFECA and PFESA)
4	PFBA*	PFBS*					
5	PFPeA	PFPeS					
6	PFHxA*	PFHxS*	4:2-FTS				
7	PFHpA	PFHpS					
8	PFOA**	PFOS**	6:2-FTS	FOSA** MEtFOSA NEtFOSA**	NMeFOSAA NEtFOSAA**	NMeFOSE NEtFOSE**	
9	PFNA*	PFNS					
10	PFDA*	PFDS	8:2-FTS				
11	PFUnA*						
12	PFDoA*	PFDoS					
13	PFTriA						
14	PFTeA*						
Misc.	Red = Detected in Wausau's water (existing WTP finished water or pilot influent) * = Included in DHS recommended standards for Cycle 11 ** = Included in DHS recommended combined standard of 20 ppt						HFPO-DA ("GenX")* DONA* 9CI-PF3ONS 11CL-PF3OUs

Pilot Testing Overview – Early Results

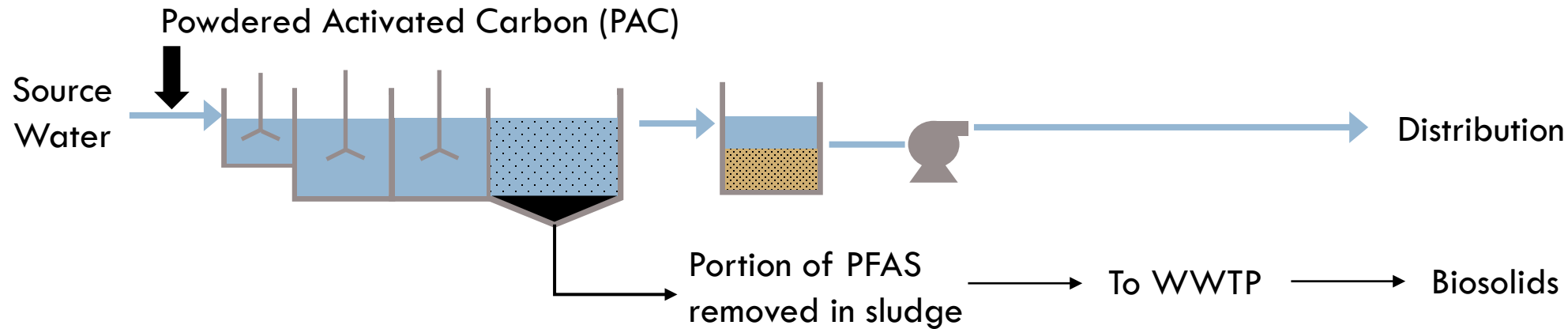


GAC = Granular Activated Carbon
IX = Ion Exchange
S = Sample Point

Sample Point	PFAS Concentrations*	Differential Pressure
Filter Effluent (Pilot Supply)	> 20 ppt	N/A
Column 1 – Regenerable IX	< 20 ppt > Non detect (variable)	Moderate
Column 2 – GAC	Non detect	Very low
Column 3 – Single Use IX	Non detect	Moderate
Column 4 – Single Use IX	Non detect	High

*With respect to Cycle 11 recommended standard of 20 ppt for PFOA, PFOS, FOSA, NEtFOSA, NEtFOSAA, and NEtFOSE combined

Powdered Activated Carbon Bench Testing



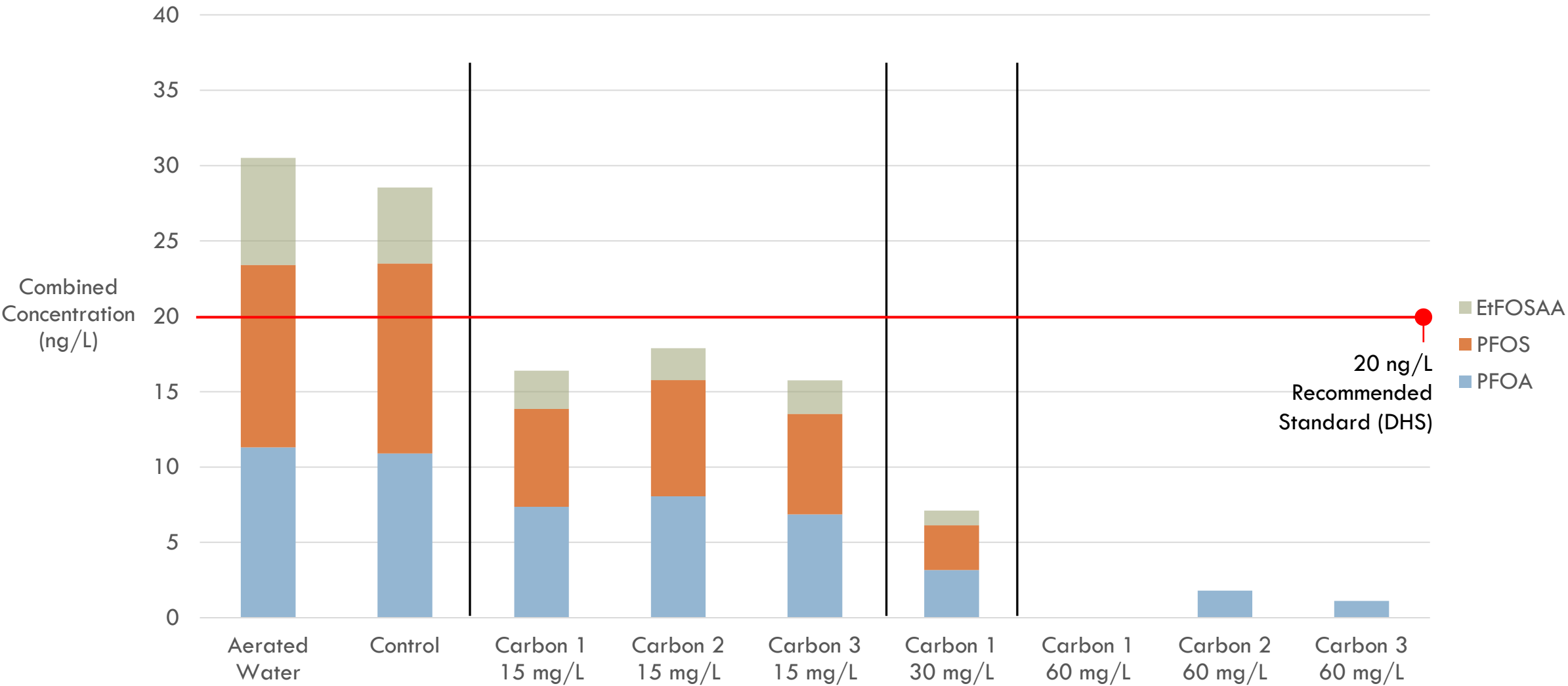
Advantages:

- Relatively low capital investment
- Potential for expedited implementation
- Potential interim strategy to achieve PFAS reduction while determining preferred long-term strategy

Uncertainties and Disadvantages:

- PFAS are diverted to plant residuals and will impact concentrations in WWTP biosolids

Initial PAC Screening Results



Next Steps

- Continue operating pilot study through May (and potentially longer)
 - Collect more information about PFAS performance of the regenerable IX process
 - Collect information relevant to potential interim strategies at the new DWTF
- Prepare update for WWW Commission in June with options for full-scale treatment strategies (interim and permanent) at the new DWTF
 - Implementation
 - Cost perspective
 - Schedule perspective

JOINT RESOLUTION OF THE FINANCE COMMITTEE AND WAUSAU WATER WORKS COMMISSION

Declaring Official Intent to Reimburse Expenditures from Proceeds of Borrowing

Committee Action:

Fiscal Impact: Reimbursement of the cost of engineering services and construction services in the amount of up to \$20 million.

File Number:

Date Introduced:

FISCAL IMPACT SUMMARY

COSTS	<i>Budget Neutral</i>	Yes ☒ No ☐	
	<i>Included in Budget:</i>	Yes ☐ No ☒	<i>Budget Source:</i>
	<i>One-time Costs:</i>	Yes ☐ No ☒	<i>Amount: \$20 million</i>
	<i>Recurring Costs:</i>	Yes ☐ No ☒	<i>Amount:</i>
SOURCE	<i>Fee Financed:</i>	Yes ☐ No ☒	<i>Amount:</i>
	<i>Grant Financed:</i>	Yes ☐ No ☐	<i>Amount:</i>
	<i>Debt Financed:</i>	Yes ☒ No ☐	<i>Amount: Annual Retirement</i>
	<i>TID Financed:</i>	Yes ☐ No ☒	<i>Amount:</i>
	<i>TID Source: Increment Revenue ☐ Debt ☐ Funds on Hand ☐ Interfund Loan ☐</i>		

RESOLUTION

WHEREAS, Wausau Water Works in January 2022, as requested by the Wisconsin Department of Natural Resources (“DNR”), voluntarily tested and detected PFAS in the City’s public drinking water system; and

WHEREAS, PFAS are a group of thousands of widely used, long lasting, manufactured chemicals, the components of which break down very slowly over time and are widely used in many consumer, commercial and industrial products; they are present in our water, soil, air and food as well as in materials found in homes and workplaces; and

WHEREAS, the United States Environmental Protection Agency (“EPA”) is collaboratively researching how different levels of exposure to different PFAS can lead to a variety of health effects; and

WHEREAS, in 2016, the EPA released lifetime health advisories (“HA”) and health effects support documents for PFOA and PFOS to assist federal, state, tribal and local officials and managers of drinking water systems in protecting public health when these chemicals are present in drinking water; these HAs, which identify the concentration of PFOA and PFOS in drinking water at or below which adverse health effects are not anticipated to occur over a lifetime of exposure, are 70 parts per trillion (“ppt”) for PFOA and PFOS; and

WHEREAS, HAs are non-regulatory and reflect EPA’s assessment of the best available peer reviewed science; and

WHEREAS, in September 2019, as part of its action plan for the regulation of PFAS constituents, the EPA sent an action to the Office of Management and Budget for interagency review to address PFAS, to provide notice of proposed rulemaking; and in January 2021, issued a final determination that they will establish an MCL for PFOA and PFOS, a federal regulatory process that will take several years and would not take effect in Wisconsin until three years after the federal MCL is established; and

WHEREAS, PFAS levels in Wausau's six groundwater production wells and the treated water to customers are below the EPA's HAs; and

WHEREAS, the DNR, in cooperation with the EPA, continually assesses emerging contaminants which may affect sources of drinking water across the state, and those that are determined to be a threat to drinking water sources are evaluated for the establishment of maximum contaminant levels ("MCL") in drinking water; and

WHEREAS, at the request of the DNR and in accordance with the state's groundwater law, the Wisconsin Department of Health Services ("DHS") reviewed scientific literature and, in the spring of 2019, recommended groundwater enforcement standards of 20 ppt for PFOA and PFOS individually and combined; and

WHEREAS, Governor Evers directed the DNR to pursue rulemaking to create enforceable standards regarding PFAS, to protect public health for drinking water, groundwater, and surface waters in the state and proposed a rule to amend Ch. NR 809, Wis. Admn. Code, to establish MCL standards for PFOS and PFOA in drinking water, based on recommendations from the DHS, be set at 20 parts ppt for PFOA and PFOS individually and a combined standard of 20 ppt; and

WHEREAS, The DNR policy board, on February 23, 2022, adopted a standard for drinking water of 70 ppt to mirror the current EPA HA, which was not acted upon by the Legislature's Joint Committee for Review of Administrative Rules; and

WHEREAS, given the evolving research and despite the ongoing rulemaking processes, Wausau has approved and begun a pilot study to investigate PFAS removal and management options prior to the new Drinking Water Treatment Facility being placed online; and

WHEREAS, the City of Wausau, Marathon, County, Wisconsin (the "Municipality") plans to undertake measures to respond to the detection of Per- and Polyfluoroalkyl Substances (PFAS) compounds in its drinking water supply, which may include the construction of improvements to and acquisition of equipment for the Water Works system (the "Project"); and

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

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

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

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

Section 1. Expenditure of Funds. The Municipality shall make expenditures as needed from its funds on hand to pay the costs of the Project until the grants, forgivable loans and/or Bond proceeds become available.

Section 2. Declaration of Official Intent. The Municipality hereby officially declares its intent under Treas. Regs. Section 1.150-2 to reimburse said expenditures with proceeds of the grants, forgivable loans and/or Bonds, the principal amount of which is not expected to exceed \$20 million.

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

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

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

Passed and adopted this ____ day of _____, 2022.

Approved:

Katie Rosenberg, Mayor

JOINT RESOLUTION OF THE FINANCE COMMITTEE AND WAUSAU WATER WORKS COMMISSION

Date Introduced:

RESOLUTION

Katie Rosenberg, Mayor

Department of Public Works



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: May 3, 2022

SUBJECT: Mueller Communication Costs – PFAS & Utility Related Public Communication

In February the Mayor's office engaged Mueller Communications to assist the utility in preparing public communications related to PFAS. As the City is a member of the League of Municipalities, Mueller offered \$500 worth of services at no cost and initially this was being run through the attorney's office. Since this is primarily utility communications, it was suggested the costs should be billed and paid by the utility.

Current invoices for March are attached for your reference and we are currently working on information related to the Pilot Study as well as a FAQ sheet for the public. Staff is recommending establishing a budget of \$25,000 with Mueller and then reevaluating in late May to determine if additional funds would be beneficial moving forward.

File Edit Action Tools Admin Help



3/31/22
LAW220041

More GL Vnd Maintenance Vnd Pos Vnd Receipt

Batch / Sheet 42228 4

Vendor 07201

Address 1749 PROSPECT AVE

Addr Seq MILWAUKEE

Invoice Number 928-2022-03

PO #

Qty

Adj.

Inv Amt with Tax

Invoice Details Purchasing Discount / Holdback Supplier Details

Invoice Date

03-31-2022

OVrd

Due Days

7 OR

Invoice Due Date

04-07-2022

Total Amount

\$1,710.33

>

F PFAS MEDIA RELATIONS SUPPORT

Invoice Description

GL Code

as Percent

>

Amount

OH

UT

SD

Description

110 13092190

1710.33

PFAS MEDIA RELATIONS SUPPORT

Distribution Remaining

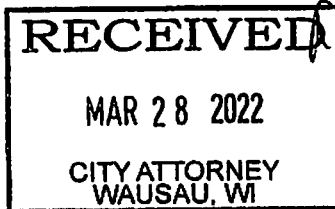
0.00

Pickup Chk



Mueller Communications LLC
1749 N Prospect Ave
Milwaukee, WI 53202-1931

3/29/22
OK to pay
[Signature]



INVOICE

Invoice Date: 03/22/22
Total Amount: \$1,710.33
Number: 928-2022-03
Invoice Period: 02/01/22 - 02/28/22
PO Number:

City of Wausau

Anne L. Jacobson
City Attorney
407 Grant Street
Wausau, WI 54403

INVOICE SUMMARY

Description	Amount
Professional Fees.	\$2,091.00
Paid by the League of Wisconsin Municipalities.	-\$500.00
Reimbursable Expenses.	\$119.33
TOTAL AMOUNT DUE	\$1,710.33

*Is communication consultant
being paid out of legal fees budget?*



Mueller Communications LLC
1749 N Prospect Ave
Milwaukee, WI 53202-1931

INVOICE

Invoice Date: 03/22/22
Total Amount: \$1,710.33
Number: 928-2022-03
Invoice Period: 02/01/22 - 02/28/22
PO Number:

City of Wausau

Anne L. Jacobson
City Attorney
407 Grant Street
Wausau, WI 54403

EXPENSE DETAILS

Date	Code	Description	Quant	Amount
02/28/22	Administrative / Technology Fee		--	\$119.33
TOTAL EXPENSES			--	\$119.33



Mueller Communications

PUBLIC AFFAIRS • PUBLIC RELATIONS • CORPORATE & CRISIS COMMUNICATIONS

City of Wausau Summary of Services Provided - February 2022

Client Team – James Madlom, Jennifer Morton, Jenny Gross, Mark Curran

Dear Mayor Rosenberg,

Thank you for engaging Mueller Communications to assist with strategic communications counsel and media relations support surrounding the PFAS Health Advisory and the City of Wausau's remediation plan

In February, Mueller Communications connected with you and your team to gather background information and discuss next steps. We reviewed the website and provided materials to gain understanding of the current status and communications needs.

We also set up media and social media alerts, researching key players and gathering as much detail on public opinion as possible. Additionally, We began drafting the FAQ Talking Points, sketching out the timeline and preparing questions for your team.

We look forward to continuing to work with you in the months ahead.

At Mueller Communications, we pride ourselves on being available 24-hours a day, seven days a week to help you manage any challenges that may arise. Should you have any questions, please feel free to call us at (414) 390-5500.

Sincerely,

James Madlom
CEO

Jennifer Morton
Project Team Leader

RECEIVED

MAR 28 2022

CITY ATTORNEY
WAUSAU, WI



1749 N. PROSPECT AVENUE
MILWAUKEE, WI 53202-1931



MUELLERCOMMUNICATIONS.COM



414.390.5500
FAX 414.390.5515

**Mueller Communications LLC**

1749 N Prospect Ave
Milwaukee, WI 53202-1931

City of Wausau

Anne L. Jacobson
City Attorney
407 Grant Street
Wausau, WI 54403

**INVOICE**

Invoice Date: 4/14/22
Total Amount: \$12,991.38
Number: 928-2022-04
Invoice Period: 03/01/22 - 03/31/22
PO Number:

INVOICE SUMMARY

Description	Amount
Professional Fees.	\$12,085.00
Reimbursable Expenses.	\$906.38
TOTAL AMOUNT DUE	\$12,991.38

**Mueller Communications LLC**

1749 N Prospect Ave
Milwaukee, WI 53202-1931

INVOICE

Invoice Date: 4/14/22

Total Amount: \$12,991.38

Number: 928-2022-04

Invoice Period: 03/01/22 - 03/31/22

PO Number:

City of Wausau

Anne L. Jacobson

City Attorney

407 Grant Street

Wausau, WI 54403

EXPENSE DETAILS

Date	Code	Description	Quant	Amount
3/31/22	Administrative / Technology Fee		--	\$906.38
TOTAL EXPENSES			--	\$906.38



Mueller Communications

PUBLIC AFFAIRS • PUBLIC RELATIONS • CORPORATE & CRISIS COMMUNICATIONS

RECEIVED

APR 20 2022

CITY ATTORNEY
WAUSAU, WI

**City of Wausau
Summary of Services Provided - March 2022**

Client Team – James Madlom, Jennifer Morton, Jenny Gross, Mark Curran

Dear Mayor Rosenberg,

Thank you for engaging Mueller Communications to assist with strategic communications counsel and media relations support surrounding the PFAS Health Advisory and the City of Wausau's remediation plan

In March, Mueller Communications connected with you and your team weekly to gather to discuss updates and next steps. We prepared several documents including draft FAQs, an inquiry guide, newsletter content, several media statements, website content, draft responses for members of the public, based on their inquiries, as well as several other documents. We worked with you to review and finalize and continue to update as more information became available. and more for your review and continued updating them as more information became available.

We also coordinated with your team regarding pitcher and bottled water distribution language and created a bitly link for pitchers. We conducted a call with the engineers regarding the pilot study and began to develop a fact sheet for public use.

We continued monitoring news media and social media, tracking coverage in an ongoing report for your review. We look forward to continuing to work with you in the months ahead.

At Mueller Communications, we pride ourselves on being available 24-hours a day, seven days a week to help you manage any challenges that may arise. Should you have any questions, please feel free to call us at (414) 390-5500.

Sincerely,

James Madlom
CEO

Jennifer Morton
Project Team Leader



1749 N. PROSPECT AVENUE
MILWAUKEE, WI 53202-1931



MUELLERCOMMUNICATIONS.COM



414.390.5500
FAX 414.390.5515