



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, August 4, 2020.

AGENDA

1. Approve Minutes of July 7, 2020 Meeting.
2. Director's Report on Utility Operations
 - Finance – Borrowing vs. Operating Budget.
 - DWTF Update.
 - Water Staff Certification Incentive Pay.
 - Well 11 is back On Line.
 - Village of Maine - Coliform Present Sample.
 - Lead and Copper Samples Submitted to Lab.
 - DWTF Engineer for Solar Power Generation Staff.
 - WWTF Update.
 - Wastewater Plant on Track to Meet Permit Limits.
 - Open Sewer Maintainer Positions.
 - WDNR Wastewater Plant Inspection.
 - WDNR Lab Audit.
 - New Jet Vac Truck.
 - Invite for COVID Study.
 - Utility Financial Reports for June 2020.
3. Discussion and Possible Action Increasing the Grant Amount for Private Side LSL Replacement from \$3,000 to \$5,000.
4. Discussion and Possible Action on Issuing Additional TDS Excavation Permits Prior to their Current Permits being Completed and Closed.
5. Discussion and Possible Action on the WWTF Compliance Maintenance Annual Report (CMAR).
6. Discussion and Possible Action on Replacing the Utility Resource Manager Position with an Administrative Assistant III Position.
7. Discussion and Possible Action on Adopting a Policy for Utility Employees who have their CDL Suspended.
8. Discussion and Possible Action on the Conservation Campaign Branding Proposal.
9. Discussion and Possible Action on Implementing a Forfeiture/Citation for Unauthorized use of a Fire Hydrant.

Adjourn.

**Next meeting scheduled for September 1, 2020.*

THIS NOTICE POSTED AT CITY HALL AND EMAILED TO CITY PAGES AND DAILY HERALD: July 31, 2020 at 12:00pm.

Due to the COVID-19 pandemic, this meeting is being held in person and via teleconference. Members of the media and the public may attend in person, subject to the social distancing rules of maintaining at least 6 feet apart from other individuals, or by calling 1-408-418-9388. The Access Code is 146 414 7465 and the password is SJEts28wJ3E. Individuals appearing in person will either be seated in the Council Chambers or an overflow room, subject to the social distancing rules. Space available will be on a first come, first served basis. All public participants' phones will be muted during the meeting. Members of the public who do not wish to appear in person may view the meeting live over the internet at <https://tinyurl.com/wausaucitycouncil> on the City of Wausau's YouTube Channel https://www.youtube.com/channel/UC-Nigpdco_i8sq5FbbJD_aw, live by cable TV, Channel 981, and a video is available in its entirety and can be accessed at <https://waam.viebit.com>. Any person wishing to offer public comment who does not appear in person to do so, may e-mail michelle.weasler@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 July 7, 2020

A meeting of the Wausau Water Works Commission was called to order at 1:30 p.m. in City Hall on July 7, 2020. In compliance with Wisconsin Statutes, this meeting was posted and receipted for by the Wausau Daily Herald on July 2, 2020.

Members present: President Rosenberg, Commissioners Force, Robinson, Herbst, Gehin.

Others present: Eric Lindman, Dave Erickson, Scott Boers, Valerie Swanborg, Toni Vanderboom, Steve Opatik/Becher Hoppe, Tonia Westphal/Clark Dietz.

1) Approve Minutes of June 2, 2020 Meeting.

Herbst moved to approve the minutes of the June 2, 2020 meeting. Seconded by Robinson and the motion carried 5-0.

2) Director's Report on Utility Operations.

Lindman highlighted the well 11 tests that were bacti positive. Boers explained that well 11 had a bad bacti sample. During the process of disinfecting the well to get some samples, a 24 inch valve in front of the well failed. Staff is working on repairing that and a valve is being built. We can then disinfect and get that well back online.

Lindman talked about the LSL grant funding and advised there is approximately \$200,000.00 left to disburse. Sell has been sending out letters to the areas of previous reconstruction projects and we are back to the 2007-2008 projects. There has not been a lot of interest and it really goes back to cost. It now has to cover replacement of the concrete and sidewalk squares. The line replacement itself can be approximately \$2,500.00-\$3,000.00 and the commission had approved \$3,000.00 per property. When you add in replacement of the sidewalk it can be an additional \$1,500.00-\$2,500.00 which would be out of pocket for the homeowner. The challenge is that if we want to apply for the next round of grant funding this fall, it looks a lot better if we've expended the grant funding that we already have. Some consideration needs to be given into possibly increasing the grant amount to accommodate for these additional costs. In the past, the grant was available to homeowners where we were doing street reconstruction so the sidewalk replacement and things like that were taken care of under the reconstruction. Boers advised that we started sending out notices starting from 2017 working back systematically and giving residents 2 weeks to express interest so we can earmark funds. To date if you add up all of the letters that have been sent and every one of those took the funding it would total \$1.6 million. To date we've had 2 properties that have taken the funding in those past projects and 1 that has been approved but not yet replaced. The issue we are going to start running into now is that some of the contractors that are enlisted in the program are booked up through September. Force asked if it is possible to use a horizontal drilling technique to get under the sidewalk instead of breaking it apart. Boers explained that even if the service is bored in, they still have to have excavation by the curb stop which typically lies within the curb and the sidewalk. Lindman advised that the commission needs to look at possibly increasing the \$3,000.00 grant amount per property that was previously approved. Maybe

increase it to \$5,000.00 or \$5,500.00. Force advised that he wants to see this money be used and get as many done as possible. If that has to include the sidewalk excavation, so be it. Gehin asked if homeowners have also been replacing the sewer lateral. Boers advised that typically they do however the sewer lateral replacement cannot be included in the cost of the water line replacement and it is not eligible under the grant funding. The excavation can be covered under a common excavation. Typically the homeowners are responsible for the cost of the PVC pipe. Gehin asked what the average cost is coming in at for the water lateral replacements. Boers advised approximately \$2,900.00-\$3,000.00. Herbst asked if there were specific areas that this funding was being offered to. Boers explained that a stipulation to the funding is that it has to result in a full lead line replacement, including the utility side. We've been concentrating on areas of new construction or past construction where the utility side is already copper. If we were to open it up city wide, the cost for replacing the utility's portion of the water service is 2-3 times more than the private side. So every \$3,000.00 in grant funding we gave out would cost the utility \$6,000.00-\$9,000.00.

Gehin noticed that Strand inspected the line on 1st Street. Did they inspect the vault down below across the tracks? Erickson advised he didn't think so but they do have a meeting with them on Friday and they can go over maybe picking up other things like that.

Robinson asked if the I & I study could potentially modify the long term capital plan. Lindman responded it will and he thinks it will prioritize where we have issues. Once we get the flow monitoring done we may have to do some additional monitoring to isolate some areas within the city. It will help us focus on where we need to spend those dollars. Lindman advised they will set up some capital costs for us on what they would recommend prioritizing. We put together a 5 year capital plan but that can change every year depending on the data that we get or issues that we have within the system whether it's water or sewer. Robinson stated that he would anticipate potential additional funding sources with the I & I study. Lindman advised that he thinks that there would be. We are always looking for additional funding sources.

Deb Ryan spoke and wanted to mention that she did receive a letter regarding the lead line replacement program. She was surprised to have received a letter stating that Elm Street is now eligible. She recommends a list of different streets for the alderpersons to reach out to and recommends an updated list of plumbers as some have said they should no longer be on the list.

Gehin expressed his gratitude to staff for their work setting up the groundbreaking ceremony and that once construction and engineering is complete, it is the staff that needs to step in and make things run at these new facilities.

Force asked if it is within their power to increase the amount of the LSL grant funding we give per property. Rosenberg advised it is. We can't necessarily do that today but can we can definitely put it on the agenda for the next meeting.

Director's Report placed on file.

3) Discussion and Possible Action on 2021-2025 Capital Projects.

Lindman advised at the last meeting there was a request to break down what we are borrowing vs the operating budget. This is what we anticipate borrowing on an annual basis based on what we know now. Our street reconstruction projects are a big part of our borrowing. With the 2 facility projects we are really focusing in on the distribution and collection system.

Gehin asked about the Evergreen lift station force main project and if we are replacing the entire length of that. Erickson advised that it freezes almost every winter and they need to go out with the jetter and pump it out. They want to look at what it would cost to trench that in a little deeper and insulate it better so we don't have that problem. Other than the concept he doesn't have other details yet. Gehin noticed quite a few control panel replacements. Is that to make them ready to tie into the new system or is this just upgrading the panels themselves? Erickson advised that many of the panels do not meet code requirements. Some need to be updated from a technical standpoint and some from a code and safety standpoint.

Force stated when you take out the large amounts for engineering, design and construction of the plant, we have a borrowing amount that trails out for years. How does what we are borrowing compare to what we've been borrowing in the past. Lindman stated that we've been staying pretty level. Typically with the state trust fund, on some of these projects it's really easy to borrow and then pay that back

through the utility. When we look at our street projects, we talk to finance and run borrowing as they feel is in the best interest of the utility. The large projects that will be in the ground 50+ years are good projects to borrow for. The shorter projects such as repairs, operation and maintenance is what we use our operating budget for. So this type of borrowing would be the same as was done in the past. Lindman stated he would like to get to a point where we can do more with cash and less borrowing. He does follow the guidance of Finance and what they feel should be borrowed and what they feel should be paid in cash. He could have them attend the next meeting and go over that. Robinson asked if there is a schedule for our bond payments and how do we factor that into the capital project timing. Lindman advised he can work with finance to have something put together. Robinson stated it is a great time to borrow as the rates are so low. Lindman thinks that is why Finance has been recommending to borrow because the financing has been so low on some of these projects, especially through the state trust funds.

Motion by Robinson to approve the proposed capital budgets for water and wastewater. Seconded by Herbst. Motion carried 5-0.

4) Discussion and Possible Action on a Wausau Water Works, Water Saving Program.

Force advised that he and Boers worked together to identify elements for the program and some of the needs and questions they have about resources. Steve Miller is also interested in working on this. They feel the consensus is to move forward with this, the question is how go about doing it. What will we call it, do we need a logo and are there others within the municipal structure that would be interested in joining in on this. Robinson did suggest that this program be made multilingual. Rosenberg advised that the County does something similar to this and she can reach out, get some ideas and a feel for the budget needed to put this together. Robinson advised he can also reach out to other communities that have a rain barrel program.

5) Discussion and Possible Action on Approving the Wastewater Plant Operations Supervisor Job Classification.

Lindman advised this is part of the organizational chart that was approved last year. This is creating and classifying a Wastewater Plant Operations Supervisor vs just having a senior plant mechanic. We needed somebody that had more administrative and supervisory responsibilities. Vanderboom helped write the position description and then it was classified by our outside consultant. Robinson questioned whether it was truly a nonexempt position, Vanderboom advised that is a typo and it is an exempt position. Force asked where the grade 17 ranks into the line of salary grades. Vanderboom stated that grade 17 is the lowest grade supervisory position that they have. All of the supervisory positions are falling around grade 17.

Motion by Robinson to approve the Wastewater Plant Operations Supervisor Job Classification. Seconded by Gehin. Motion carried 5-0.

Adjourn.

Meeting adjourned.



August 4, 2020

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 – July 2020

- Finance determines which projects would be financed through borrowing versus operating budget. Staff relies on their expertise to make this judgement and where the financing is best. They also determine the amount of debt service the utility can handle for our typical projects and the amounts that are paid each year to reduce the debt service. Finance will be available at the meeting to ask any questions related to the borrowing.

WATER DIVISION

1. Update on DWTF; BH put together the attached update with pictures.
2. Staff has been considering certification incentive pay as an option to increase employee skills and knowledge. The DWTF Currently has four certifications relating to operations (D-Distribution, G-Groundwater, L-Lime Softening V-VOC Removal) and depending upon the DNR interpretation, 3 other certifications may be relevant to the new plant (S-Surface Water, I- Iron Removal, Z- Zeolite Softening). The WWTP has seven certifications pertaining to wastewater operations; Suspended Growth Processes, Solids Separation, Biological Solids/Sludges, Total Phosphorus, Disinfection, Laboratory, Sanitary Sewage Collection. We will be bringing more information and proposal to the Commission in September.

3. Well 11 has been treated, valve replaced, tested, and is now back on line.
4. The Village of Maine had a Coliform Present Sample from their distribution system during July. Additional information attached.
5. The thirty US EPA and WDNR required Lead and Copper Samples have been taken and submitted to the lab as of the week of July 17th.
6. Related to the DWTF and the hiring of an engineer for the design and oversight of the solar power generation staff will need to move forward with an agreement. Mayor, Pat Peckham, and I toured a 20KW solar generation system at Atlas Electric. The system was new and only online for a month or two and it was impressive. The panels were relatively small, the inside equipment was small with very little footprint. The data gathering capability was impressive along with the set up for minimizing downtime for maintenance. The utility will need to begin moving ahead with an engineering agreement to size the solar array properly for the new DWTF power load. Clark Dietz designed the electrical for the entire DWTF and they have all of the load calculations as well as the equipment that will be installed. They have and are working with other communities to engineer and manage installation of solar systems. Due to the background and knowledge of our new plant and their experience with setting up large solar projects staff feels it would be beneficial to move ahead and Sole Source with Clark Dietz for engineering services to begin the process for designing the new solar array facilities. Staff will begin working with Clark Dietz to establish a proposal along with detailed costs for these engineering services and will bring it before the Commission for consideration at the September meeting.

WASTEWATER DIVISION

1. Update on WWTF. See attached update from Donohue.
2. The wastewater plant is on track to meet permit limits for July.
3. We have made an offer to an individual for one of our open Sewer Maintainer positions. We are continuing to advertise to fill another 3 positions. The sewer collection crew is severely hampered by the open positions, and the number of TDS locate requests, and we are not completing the required routine maintenance at this time.
4. The WDNR conducted a plant inspection on July 13th. The report is attached.
5. The WDNR conducted a lab audit at the wastewater plant on July 30th. They will send us an official response within 30 days but the audit seemed to go well.
6. Our new jet vac truck arrived on July 30th. The vender will be setting up a training session for staff this week.

7. The Wisconsin State Laboratory of Hygiene has invited the utility to participate in a COVID study. There would be no cost to the City but it would require a limited amount of time for collecting samples. We have completed the initial survey and are waiting for more information.

UTILITY FINANCIAL REPORTS – JUNE 2020

DWTF Construction Update

Construction of the new drinking water treatment facility began in July. For the past few weeks, Integrity Grading & Excavating has been preparing the site for building construction and mobilizing construction equipment to the site. Excavation for the buildings has been completed and most of the backfill has been placed. In addition, the new access road has been built and the ditches have been seeded to minimize erosion.

Miron Construction and their subcontractors have now started work on building the water treatment facility. JF Ahern is installing plumbing lines for tank drains and floor drains in the building basement and iron workers are starting to tie together the reinforcing steel for the footings and floors.

Concrete work is scheduled begin the week of July 27-31. The first pours will be for foundations and basement floor slabs around the filter and tanks. Some of these concrete pours are very large and will require starting work before 7:00 a.m. to complete them in one day. We thank you in advance for your patience if you notice more noise in the mornings.

Other ongoing work consists of recycling a large pile of asphalt and concrete from City road repairs into road base material. This recycled material will be used as structural base under the buildings, structures and paved areas throughout the site. This work should be complete in early August.

Here are some photos of the site taken on 7/23/2020:





On 07/15/2020 the city of Wausau requested and was granted an exception to triggered source water monitoring resulting from a total coliform positive sample taken in the Village of Maine on 7/13/2020. The exception under s. 809.325(4) was granted due to the following:

(4) EXCEPTION TO THE TRIGGERED SOURCE WATER MONITORING REQUIREMENTS. A water supplier for a groundwater system is not required to comply with the triggered source water monitoring requirements of sub. (2) if the department determines, and documents in writing, that the total coliform-positive sample collected under s. [NR 809.31 \(1\)](#) was caused by a distribution system deficiency.

The total coliform positive sample from the Village of Maine was taken at a normal bacteriological sampling site, but that site is currently being fed by a temporary service line due to water main construction in the village.

The operator at Maine stated he did not adequately flush the black plastic temporary service lines that are running on top of the ground surface, with temperature in the upper 80's.

The City of Wausau drew a total of 10 distribution samples on 07/07/2020 and 10 samples on 07/14/2020, all of which were reported as total coliform negative.

Sincerely,

A handwritten signature in dark ink, appearing to read "Glenn Falkowski".

Glenn Falkowski, P.E.
Environmental Engineer
Department of Natural Resources

Wausau Wastewater Treatment Facility

7/29/2020

Construction on the Improvements to the Wastewater Treatment Facility (WWTF) began on July 6, 2020.

For the past few weeks Miron Construction and its subcontractors have been providing demolition and abandonment procedures on various areas of the existing WWTF. Integrity Grading & Excavating has been providing demolition and abandonment of existing utilities (water, storm sewer and sanitary) around the site. Precision has provided clearing and grubbing, demolition and general site civil work preparing the areas around the site for the start of construction of various structures. The areas of work on site include the following Buildings, Building 120, 405, 610 and 770, as well as Structures 404 and 500. Both Miron and Precision along with collaboration with the City have completed the relocation of the WWTF's septage receiving station to a temporary location off Adrian St. to allow septage receiving and construction to occur without interfering with one another.

Michels Corporation has been installing the site dewatering well system to allow for the construction of foundations, basins and deep sewer piping. At the moment all dewatering wells have been drilled and are currently being prepared for startup and pumping. Michels is also installing both the aggregate geopiers for the foundations for Buildings 770, 120 and 610. They currently have the geopiers installed for both Building 120 and 770. Additionally, Michels has installed helical piers for the support of the new channel 420.

August Winters has been on site preparing for the abandonment of various water, sanitary and storm lines around the site, as well as assisting in the preparation and planning of the site dewatering system. They have also been preparing and planning the layout of the various buildings onsite mechanical and piping. Van Ert has started to install the various site wide temporary power setups. These include providing temporary power for all of the basins and clarifiers, Building 120, 600 and the site job trailers.

Lastly, Miron Construction has been managing all contractors onsite as well as prepping the site for construction and the start of foundation and concrete work required for the various new buildings. These new buildings include the new administration building (Building 110), the new solids building (Building 770), the new secondary clarifier No. 4 (Structure 540), the chemical building (Building 610) and the new anoxic selector tank (Building 405). They have also been preparing a construction schedule for the entire project, obtaining permits, submitting submittals for various items with respect to the upcoming construction and managing all of the subcontractors onsite. They are currently in the process of assembling a 200 ton Manitowoc Crane to be utilized for the construction of Building 770 as well as other structures onsite.

All of the contractors, engineer and wastewater staff have been working together in weekly and daily meetings onsite to ensure that everyone is informed of what is happening day to day onsite and that we are collaborating and assisting one another with regards to informational needs.

Scott S. Hermsen, PE

Resident Project Representative – Wausau WWTF

Donohue & Associates, Inc.



July 21, 2020

David Erickson
Wastewater Superintendent
Wausau Water Works
407 Grant Street
Wausau, WI 54403-4737

SUBJECT: Wastewater Facility Inspection
WPDES Permit No: WI-0025739-09-1
Virtual Inspection date: **July 01, 2020**
On-site Inspection date: **July 13, 2020**

Dear Mr. Erickson,

A remote and on-site compliance inspection of the Wausau Water Works WW Treatment Facility occurred July 01, 2020 and July 13, 2020 respectively. The purpose of the inspection was to determine compliance with the conditions of the WPDES permit and review wastewater operations and management activities at the plant. Findings and recommendations are found in the attached report. Please take the time to read it carefully.

The treatment plant was found in compliance with most effluent limits and terms and conditions of the permit. The following recommendations or follow-up actions are requested:

- 1. Verify the secondary digester mixing pump is operating correctly to minimize the possibility of impeller cavitation.**
- 2. Verify the effluent flowmeter configuration to ensure flow is properly measured. It is recommended to verify the flow rate at multiple height increments.**
- 3. Keep record of the land application parameters as listed in section 4.2.1.7, WPDES permit.**
- 4. Identify a long term solution to the primary digester sludge seepage through the floating cover.**

I want to thank David Erickson for his time and cooperation in the performance of this inspection. By **August 21, 2020**, please provide a written response to this inspection report if any follow-up actions are noted above. If you have any questions regarding the report, feel free to call me at (715) 492-1787 or e-mail me at Nicholas.Lindstrom@wisconsin.gov

Sincerely,

Nicholas Lindstrom
Wastewater Engineer

Wastewater Treatment Plant Compliance/Inspection Checklist

Wausau Water Works WW Treatment Facility

OIC Name
On-Site Representative
Responsible Official

407 Grant Street Wausau, WI 54403

WPDES Permit # 0025739-09-0
Design Flow (Avg) 0.000

Inspection Date 7/13/2020
Evaluated By Nicholas E Lindstrom
Effective Date 1/1/2019
Expiration Date 12/31/2023

Part A: ON-SITE INSPECTION

Compliance Questions	Comments	Followup
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Facility Site Review

Yes	1. Is a schematic diagram available of the treatment plant? If yes, attach.	The schematic was up to date (see page 9) . The plant is going through a 80 M construction project that will alter the schematic dramatically. Breaking ground begins July 6, 2020.	
Yes	2. Are all liquid treatment train unit operations and processes operating satisfactorily?	There have been some issues with flow reporting data, the facility has since installed auxiliary data storage to back-up the scada system if it fails. The facility was issued a NON on January 09, 2020 addressing the issues (see page 99). Secondly, BOD5 exceedances have transpired from MLSS washout and potential nitrification in the effluent samples. Lastly, only one serviceable blower was available at the time of inspection. The secondary digester mixing pump was vibrating and making a "Throttling noise" at the time of inspection. This is a potential indication of low pressure around the impellers that can lead to cavitation.	Verify the secondary digester mixing pump is operating correctly to minimize the possibility of impellor cavitation.

Subclass A1: Biological Treatment - Suspended Growth Process

Yes	A1-1. Does the appearance of the aeration basin look good?	The surface of the aeration basins had a good, non greasy, brown color, had an earthy organic scent (Photo 12).	
Yes	A1-2. Does the aeration pattern show that all diffusers are working?		
Yes	A1-3. Is the dissolved oxygen level adequate?	D.O. in aeration basins were around 1.5 mg/L during the time of inspection. Blowers are on VFDs, however the blowers currently are not controlled by D.O. levels in the aeration basin. Dave E. mentioned when more than 3 aeration tanks are online, it is difficult to normalize the D.O. in each tank. The issue will be resolved post construction.	
Yes	A1-4. Is the MLSS level optimum, resulting in a good F/M ratio?	Per June 2020 process control data provided by the facility, the MLSS ranged from 2800-6100 mg/L (MLSS is centrifuged and not incubated). Department estimated the F:M ratio on June 15th to be .26 which is within the expected range of a conventional activated sludge plant (see page 104).	
Yes	A1-5. Is the 30 minute settling test and resultant SVI good?	30 minute settling test looked much better than the actual clarifiers. Upon arrival, the 30 min settling test rendered 400 mL/L with limited floating sludge on the surface (Photo 1). June average was around 700-300. SVI ranged from 118-168 in June. Facility working on increasing MLSS, Retention time, and sludge age to help with nitrification.	
N/E	A1-6. Do the bugs look good?	Was unable to make a microscope evaluation due to COVID-19 restrictions.	
	A1-7. Is sludge wasted regularly to maintain an optimum and consistent sludge age?	Less sludge has been wasted due to guidance of the facilities consultant. This has resulted in elevated sludge depths, sludge age, and MLSS.	

Yes	A1-8. Are all blowers or mechanical aerators operational and on a regular maintenance schedule?	One blower was out of commission. Only need one blower to run 3 aeration basins.	
Yes	A1-9. Has the aeration basin been emptied, inspected and cleaned within the last five years, including diffusers?		
No	A1-10. Are there safety flotation devices on the railings?	One flotation device by nearby building, but may be inconvenient or hard to locate during a time of emergency.	

Subclass B: Solids Separation			
No	B-1. Are clarifier surfaces free of floating sludge, grease and gas bubbles?	Significant sludge on secondary clarifier surfaces (Photos 15-18). Sludge was seen floating in the northeast secondary clarifier potentially signifying denitrification conditions in the sludge blanket. Sludge depths have been elevated in the clarifiers ranging from 1 ft to 4 ft. in June.	
Yes	B-2. Does the operator measure and record clarifier sludge blankets on a regular basis?	Sludge blanket in June was very high compared to typically expected metrics. Sludge depth during the time of inspection 1.5 feet (Photo 18).	
Yes	B-3. Is the effluent flow over the entire length of the weirs?		
N/A	B-4. If the clarifier is rectangular, are the flights and chains in sound shape and working correctly?		
Yes	B-5. If the clarifier is circular, do the surface skimmer and subsurface sludge scraper mechanism appear to be working well?	skimmers were dragging alot of algae. The effluent troughs did appear to be clear and of good quality, thanks to the weir baffle and scrapper arm.	
N/E	B-6. Are the clarifier(s) drained, cleaned, and inspected on a regular basis?		

Subclass D: Disinfection			
N/A	D-1. Is the chlorine contact tank cleaned regularly and absent of surface gas bubbles or floating clumps of sludge?		
N/A	D-2. Is chlorine (gas or liquid) adequately and completely mixed into the contact basin?		
N/A	D-3. If using chlorine gas, does the storage room meet all safety requirements?		
Yes	D-4. Are uv lamps submerged in the effluent channel?		
Yes	D-5. Do uv sleeves need to be cleaned regularly to maintain disinfection efficiency?	Dave E. stated that algae can get caught on UV lamps which the runners cannot clean. This is algae from the secondary clarifier effluent trough (Photo 17).	
N/A	D-6. Are residual chlorine samples tested within 15 minutes of collecting the sample?		

Subclass P: Biological Nutrient Removal (Phosphorus)			
No	P-1. Does the plant utilize in-line monitoring (ORP? dissolved oxygen) for monitoring anoxic, anaerobic and aerobic conditions?		
No	P-2. Does the plant monitor ortho-P across treatment units?		
No	P-3. Are side streams monitored for phosphorus?		
N/E	P-4. Are detention times in anoxic and anaerobic selector tanks short enough to achieve good phosphorus removal?		
No	P-5. Are process conditions optimized for BPR?		
No	3. Are there any unique treatment units, processes or operations in the liquid treatment train? If yes, comment.	Alum used for increased settling and phosphorus removal, and polymer is used in the gravity belt press. The facility is currently in the process of analyzing the most cost efficient polymer for the GBT.	
Yes	4. Is effluent being discharged clear, free of floating solids or visible foam other than in trace amounts?	N. Lindstrom was unable to contrast the effluent with the receiving water, however, there was no foam or abnormal aesthetics within the outfall structure (Photo: 21).	

Flow Measurement			
Yes	5. Is wastewater flow, influent and/or effluent, being accurately measured?	Influent flume is subject to short circuiting during high flows, furthermore, the upstream bend causes for an uneven distribution of flow (Photo: 9) causing transducer is located over the area of turbulence. The standing wave looks good behind the flume but could potentially backup into flume during times of high flow (Photo 10). Effluent flow meter is a Hydromaster 200 sensor measuring the water depth within a rectangular channel. N. Lindstrom foresees two potential problems of the configuration. 1. The water needs to be free flowing in order to render accurate results. 2. The channel is not self cleaning like a flume.	Verify the effluent flowmeter configuration to ensure flow is properly measured. It is recommended to verify the flow rate at multiple height increments.
Yes	6. Are flow monitoring devices calibrated annually?	Calibrations performed by pJKorton. Calibration reports submitted via email. Facility was able to provide three years of calibration reports for influent and effluent flowmeters. On April 9th 2019 the contractor checked flow meter at 1.0 mA 1.25 feet; Reading: 1.09 mA, 1.21 feet. No adjustment was made to the equipment despite the 9 percent discrepancy in signal.	
Yes	7. Are there significant industrial/commercial contributors of wastewater to the plant? If yes, list in comments.	Wausau operates their own pretreatment program. Most of the industries are metal finishing categorical users. They recently had a spill event due to Wausau chemical dumping chemical in the sanitary sewer, which resulted in a foam over at the outfall. See SSO report for more information (pg 80).	

Sampling and Testing			
Yes	8. Are wastewater influent, effluent, biosolids and groundwater samples, as applicable, being collected and tested as required by the WPDES permit?		
Yes	9. Are wastewater composite samplers being maintained at or less than 6C?	Influent sampler read about 1 degree lower than the actual thermometer. May need to get recalibrated.	
Yes	10. Are sampling logs being used to record sample days, times, temperatures and collector?	Sample logs present at both influent and effluent sampler.	
No	11. Were samples collected as part of this inspection? If yes, include state lab results.	No samples taken due to COVID-19 restrictions.	

Operations and Maintenance			
Yes	12. Is the Operator-in-Charge certified at the proper grade(s)?	Dave Erickson and Patrick Van Ouse have the proper certifications. Ryan Dwelley is the sanitary sewer operator in charge. Dave, makes all operators take the SS subclass exam. See page 13 for current list of operators.	
Yes	13. Is the treatment works and disposal system being properly operated and maintained, when in operation?		

Yes	14. Are process control tests being performed and recorded to properly operate and maintain the plant?	5X per week: Clarifier sludge depth: range 1-5 ft; ave clarifier 1 ave about 3 ft; clarifier 2: 3 ft; clarifier 3: 2 ft 30 min settling test: range: 310-690 SVI ave about 150 MLSS range: 6000-3500 mg/L RAS range: 7000-4500 mg/L PO4-P for alum control. Facility centrifuges the MLSS and RAS instead of incubation. which is likely overestimating the concentrations. Based on historical parameter averages the BOD removed, F:M ratio; SVI, and BOD removal eff(%) all appeared normal WAS flow is unknown so was unable to calculate sludge age.	
Yes	15. Does the plant have a documented and implemented preventative maintenance program for major equipment?		
No	16. Is the permittee following the requirements contained in any approved management plan?		

Biosolids Treatment, Handling and Storage			
No	17. Are all unit operations and processes for biosolids/sludge treatment and storage operating satisfactorily?		
No	18. Are there any unique treatment units, processes or operations in the solids treatment train? If yes, comment.		
Yes	19. Are biosolids/solids meeting all applicable sludge quality standards and processes standards before disposal or distribution?	No reported nitrogen or chloride exceedances since last inspection. Sludge hauling records could use a revision to meet the permit requirements (Photo 2) . N. Lindstrom discovered that the amount of acres crop and method of application were often not indicated on the record. N. Lindstrom recommended completing the form completely to eliminate reporting errors.	Keep record of the land application parameters as listed in section 4.2.1.7, WPDES permit.
Yes	20. Are biosolids/solids being landspread meeting all NR 204 or NR 214 landspreading requirements?	Liquid sludge outfall removed from previous permit. Sludge usually meets 10-15 percent solids. They have the ability to top dress in the summer and land apply in the fall and spring. Facility has many approved sites but do not use most of them. May need to revise the fields if the sites are old and outdated. If biosolids are spread on a field with the intent of being incorporated however were not incorporated within 6 hours, then the biosolids should be treated as if they were land applied.	
Yes	21. Are all biosolids/solids and land application reports completed and submitted on time?		

Part B: PERMIT AND REPORTING REQUIREMENTS

Permit			
Yes	22. Is a copy of the current WPDES permit kept at the treatment plant?		
Yes	23. Was the WPDES permit reviewed with the operator-in-charge?	Tyler Wagner also sat in during the virtual inspection portion.	

Records/Reports			
Yes	24. Are all Discharge Monitoring Reports completed correctly and submitted on time?	Only two late submittal within 3.5 year period.	
Yes	25. Are all other WPDES permit required reports completed correctly and submitted on time?		

No	26. Were there any CMAR compliance recommendations made or actions required because of low CMAR grades (C, D or F)?	Wausau received a 4.0 overall grade. Nice job!	
No	27. Were there any CMAR follow-up actions regardless of grades?		

Compliance Schedules			
Yes	28. Is the permittee up to date on required actions as specified in the Schedule of Compliance?	The facility is well ahead of their TP compliance schedule. DNR may choose to move up compliance schedule timeline upon next reissuance. Facility has a well constructed annual Hg variance report.	

Sanitary Sewer Overflows			
Yes	29. Have any sanitary sewer overflows occurred since the last inspections?	The facility has struggled with SSOs and TFOs in recent history. An NON was issued May 21 to address the issues (Page 105).	
Yes	30. Have SSOs been reported as required?	Since last inspection, there has been 3 SSO/TFOs that have transpired. NON issued for one of the events. See records on page ()	
Yes	31. Does the facility have a documented collection system O&M or CMOM program?		

Part C: EFFLUENT / RECEIVING WATERS

Effluent Limits			
Yes	32. Is the permittee in compliance with all effluent limits based on a review of discharge monitoring reports?	Facility has had some BOD5 exceedances, Dave E. believes it is due to MLSS washout and nitrification in sample.	
N/A	33. Is the permittee in compliance with all groundwater standards based on a review of groundwater monitoring forms?		

Outfalls			
Yes	34. Have you physically observed the effluent outfall?	The outfall structure appeared intact and in good shape (Photo 21). No visible foam in outfall structure or in the river. The discharge pipe is about 100 ft. off-shore, so it was difficult to see.	
Yes	35. If observable, does the outfall structure appear structurally sound and located as originally designed/constructed?		

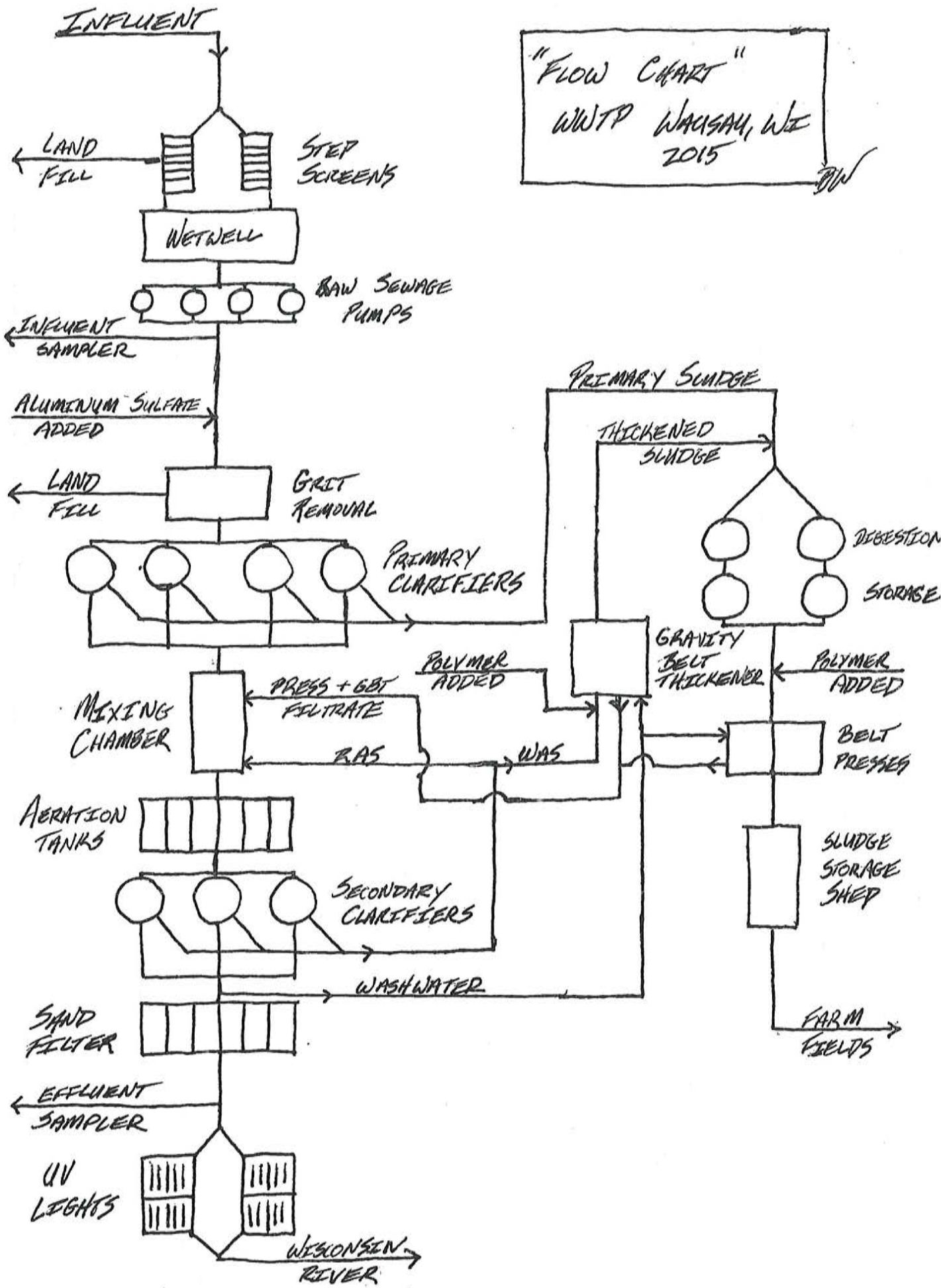
Receiving Waters			
N/E	36. Does the receiving water below the outfall appear acceptable compared to upstream water quality?	Could not see the outfall.	

General Comments			
Yes	37. Are there any general comments about this treatment facility?	Facility is beginning a 80 million dollar construction project upgrading the facility to handle higher future flow, increase SCADA reliability and increase treatment performance amongst other benefits. Some examples include, cloth filters for TP compliance, replacing UV treatment and upgrading , dryer for class A sludge, and effluent used for pump seal water. Adding anoxic tank to aeration basins. Wausau receives waste from the city of Schofield and Wausau. Partially digested sludge seeped through the floating cover perimeter of the southern most primary digester. If it were not for the secondary containment, sludge would have been spilt to the ground resulting in a TFO.	Identify a long term solution to the primary digester sludge seepage through the floating cover.

SUBSTANTIAL COMPLIANCE DETERMINATION			
Yes	38. Are all conditions of the permit, including standard conditions, being met?		
Yes	39. IS THE PERMITTEE IN SUBSTANTIAL COMPLIANCE WITH THE PERMIT? If not, please comment.		



Flow Schematic



"FLOW CHART"
WWTP WAUKESHA, WI
2015

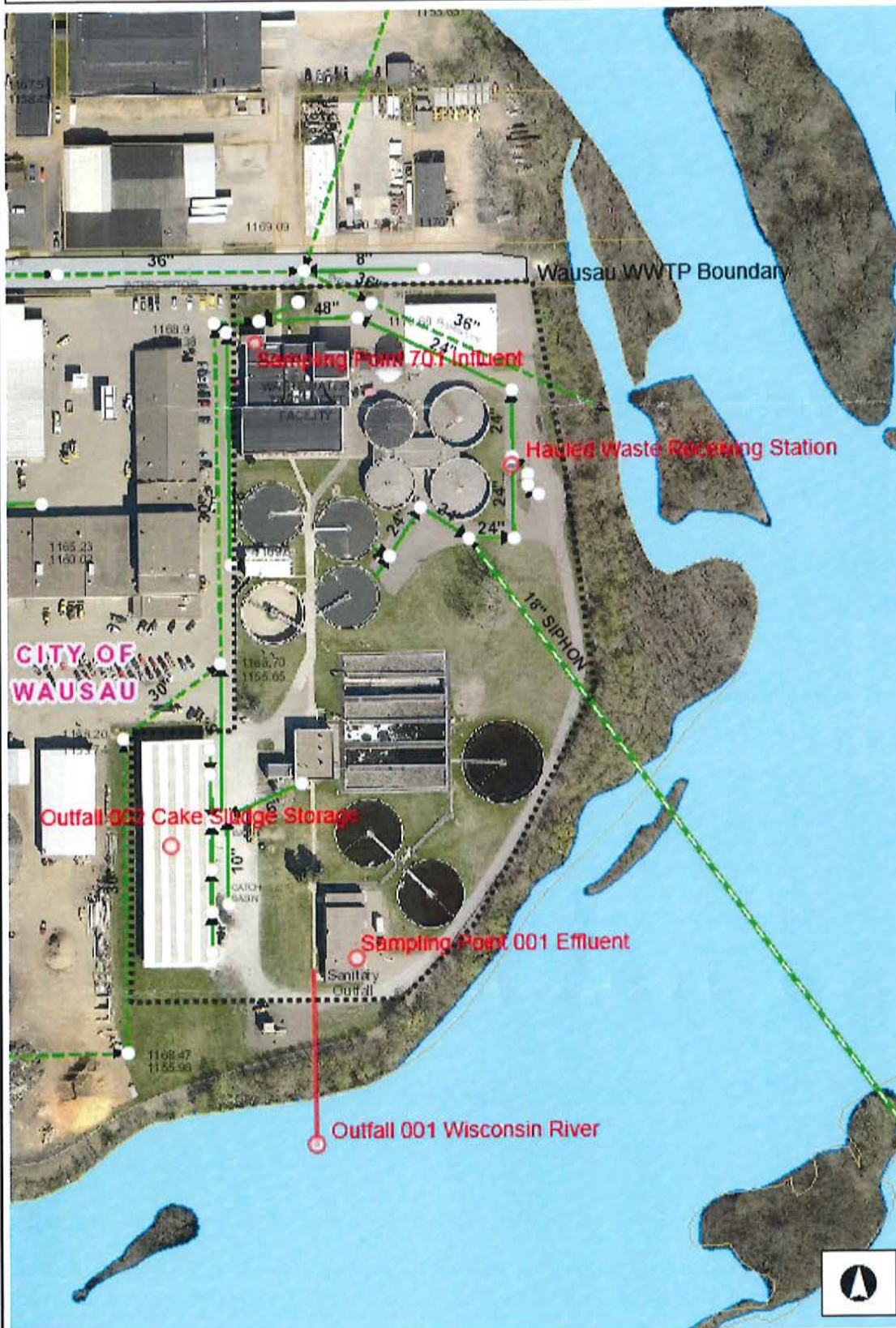


DPW Mapping System



Legend

- Parcels
- Manhole
- Gravity Main
- Collector
- Interceptor
- Force Main
- Liftstation
- Abandoned
- Railroad
- Bridge
- Overpass
- Paved Road
- Stream - River
- Pond - Lake
- Wausau Wetland



Notes



Map Created: 6/28/2015

100.75 0 100.75 Feet



User_Defined_Lambert_Conformal_Conic

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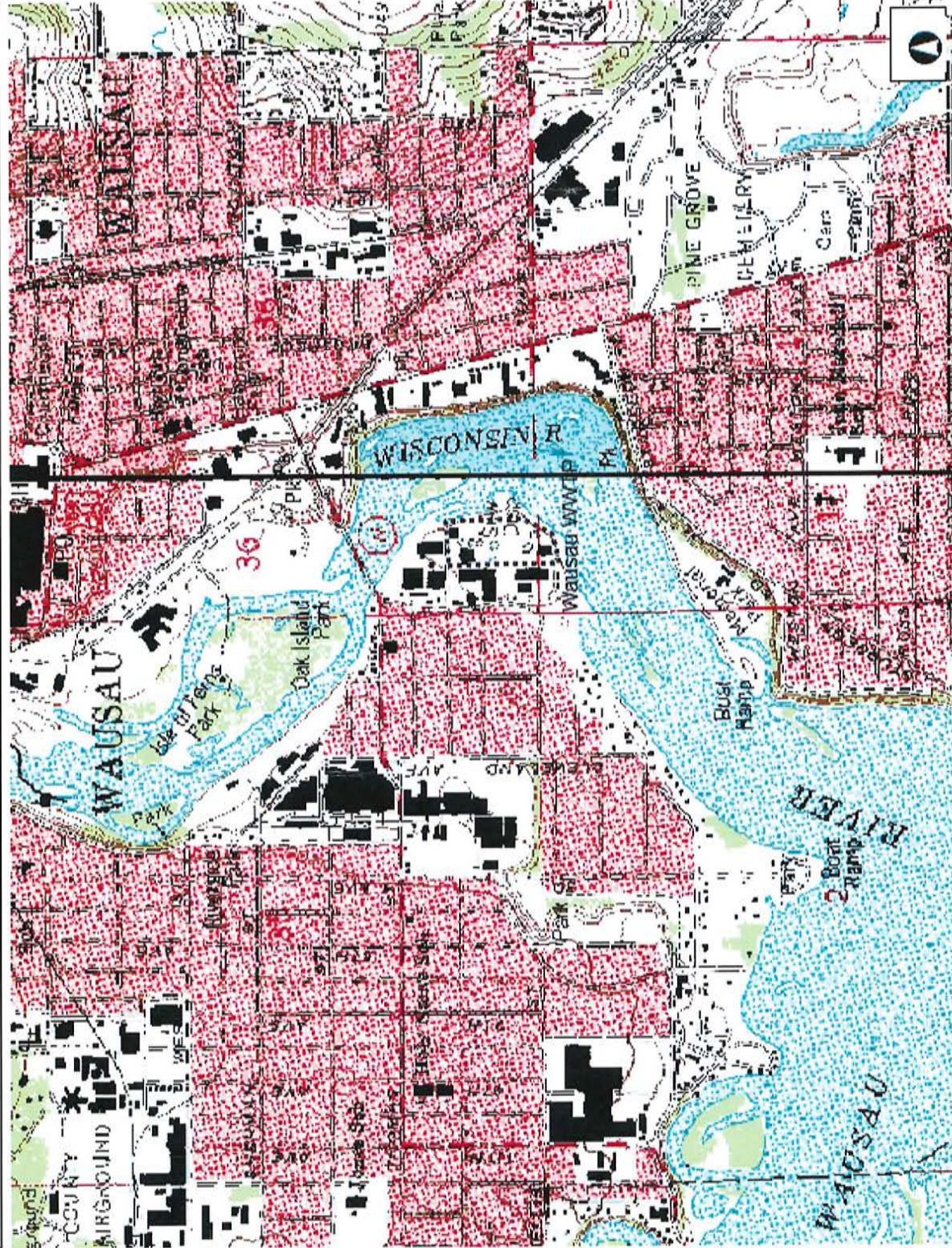
THIS MAP IS NOT TO BE USED FOR NAVIGATION

Land Information Mapping System



HAILEY
BEEB
HOLTON
HILL
BRIGHT
SPENCER
DELLIN
MAINE
STETSON
WILSON
BRIGHT
JAY
GERARD
BEVERLY
TAMMIZEN

Legend



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THIS MAP IS NOT TO BE USED FOR NAVIGATION

687.85 0 687.85 Feet



User_Defined_Lambert_Conformal_Conic

Notes



Operator Certification

Operator Certification- DNR WPDES permit compliance inspection

Category	Subclass Letter	Subclass Name	Description
Biological Treatment	A1	Suspended Growth Processes	Activated Sludge and variants
	A2	Attached Growth Processes	Trickling filters, RBCs and biotowers
	A3	Recirculating Media Filters	
	A4	Ponds, Lagoons, and Natural Systems	
	A5	Anaerobic Treatment of Liquid Waste	High strength liquid waste treatment system
Solids Separation	B	Solids Separation	Clarifiers, membranes, filters, tertiary phosphorus removal, etc.
Solids Treatment	C	Biological Solids/Sludge Handling, Processing, and Re-use	Aerobic and anaerobic digestion, thickening, dewatering, land application
Disinfection	D	Disinfection	Chlorination, ultraviolet radiation, ozone
Laboratory	L	Laboratory	Registered or certified on-site laboratories
Nutrient Removal	N	Total Nitrogen	
	P	Total Phosphorus	
Collection System	SS	Sanitary Sewage Collection System	
Special	U	Unique Treatment Systems	Unique, special treatment plants that use biological, chemical or physical methods

Table: Facility specific operator certification (updated after inspection)

Facility level: Advanced	Required subclasses	A1	B	C	P	D	L	SS	LIC exp date	Exp form needed
Operator										
David Erickson: OIC		A	A	A	A	A	A		05/01/2020	
Scott Carman								OIT	11/01/2021	Yes
Roy Kressman		A	A	A	A	A	OIT		11/01/2021	Yes
Kenneth Rye								OIT	11/01/2021	Yes
Patrick Van Ouse		A	A	A	A	A	OIT		11/01/2020	Yes
Mark Hilgendorf		OIT	OIT	OIT	OIT	OIT	OIT	OIT	11/01/2022	
Ryan Dwelly								B	11/1/2021	
William Olsen								OIT	11/1/2022	
Brad Wendtland			OIT	OIT					11/1/2022	
Tyler Wagner		B	B	B	B	B	B		11/1/2020	

For more information go to: <https://dnr.wi.gov/regulations/opcert/>

For more information on experience forms: <https://dnr.wi.gov/regulations/opcert/forms.html>



DMR Parameter Plots

Correlation coefficients r

	BOD5, Total	Cadmiu m, Total	Chromi um, Total	Copper, Total	Cyanide , Total	Fecal Coliform	Flow Rate	Hardn ess, Total	Lead, Total	Mercur y, Total	
BOD5, Total											0
Cadmium, Total	-0.11										
Chromium Total	0.33	0.11									
Copper, Total	0.38	0.42	0.63								
Cyanide, Total	0.27	-0.95	-0.28	-0.21							
Fecal	-0.08	#DIV/0!	-0.54	-0.66	#DIV/0!						
Flow Rate	0.25	-0.06	0.29	0.32	0.25	-0.13					
Hardness, Total	0.09	0.11	0.36	0.36	-0.19	-0.49	0.25				
Lead, Total	0.00	0.89	0.21	0.48	-0.71	-0.20	-0.11	0.04			
Mercury, Total	0.31	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-0.95	0.08	#####	#####		
0	0.03	0.29	-0.08	0.23	0.20	0.99	0.04	0.34	0.17	-0.03	
0	0.03	0.29	-0.08	0.23	0.20	0.99	0.04	0.34	0.17	-0.03	1.00

BOD5, Total

Time Frame

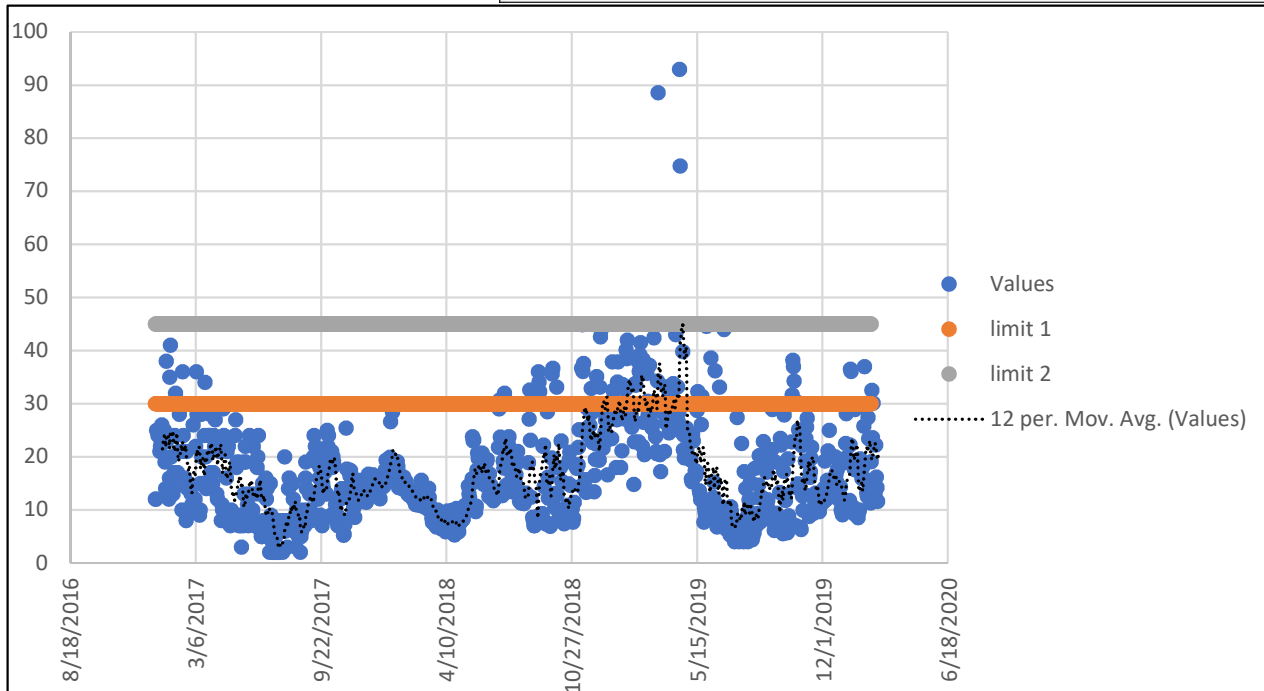
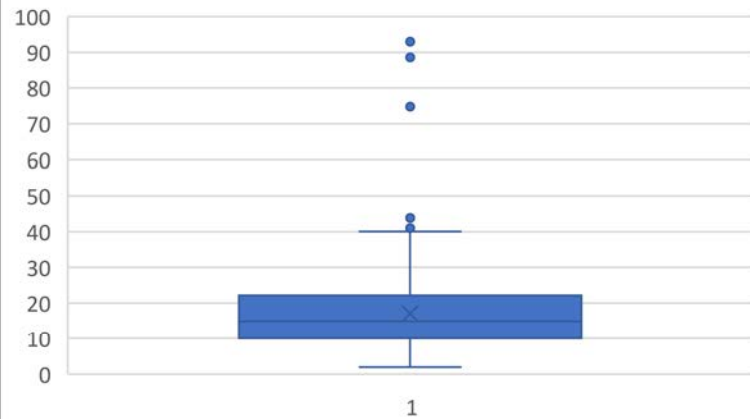
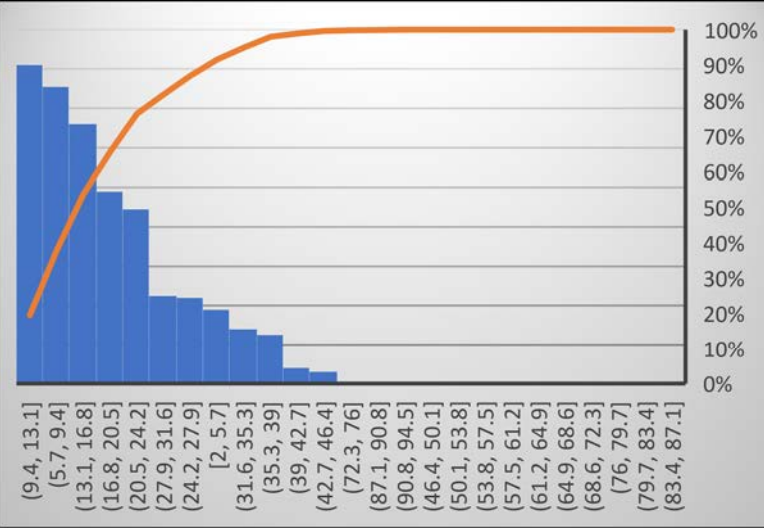
Jan 2017-Feb 2020

Wausau-effluent

Stats

Average	17.05344
Standard Dev.	9.839832
CV	0.577
Count	829
Max Value	93
Min Value	2
first quartile	2
Second Quartile	10
Median	14.9
Third Quartile	22.1
Max Value	93
30 day p99	21.66
4 day P99	31.64
1 day P99	51.42
Correlation	0.153437

Notes:



Cadmium, Total Recoverable

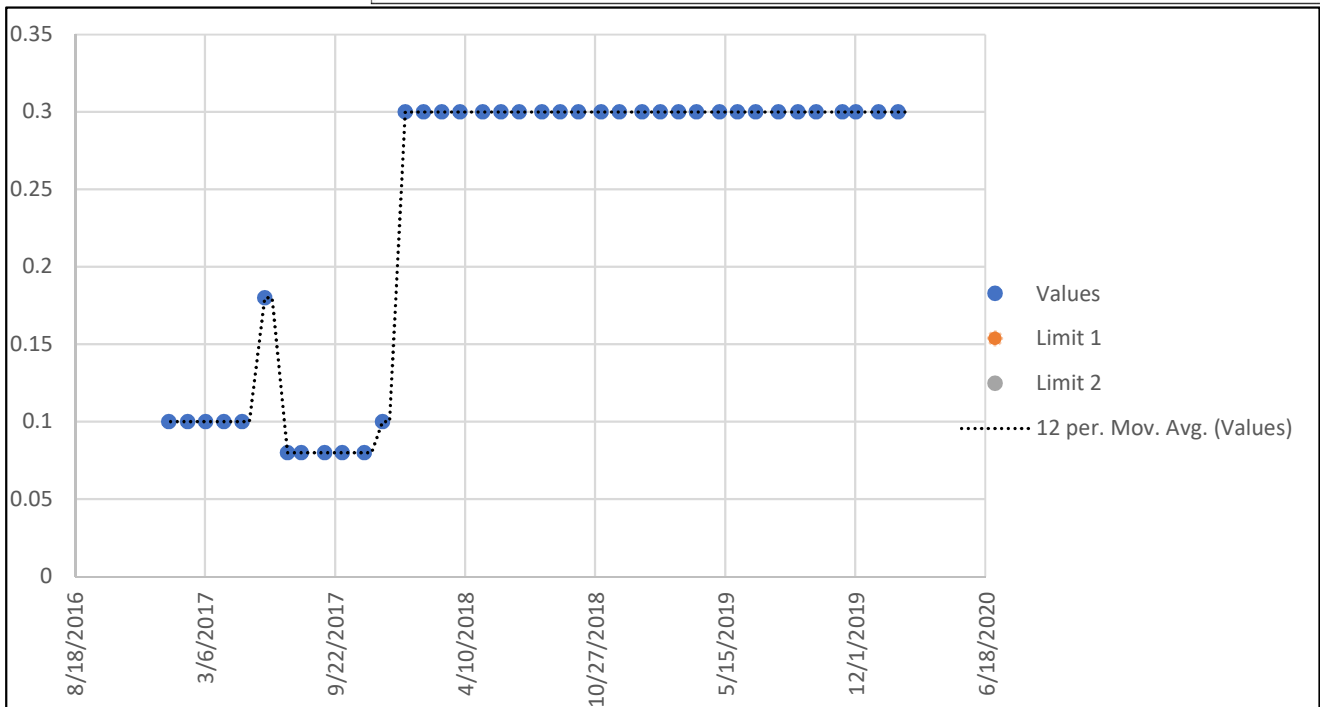
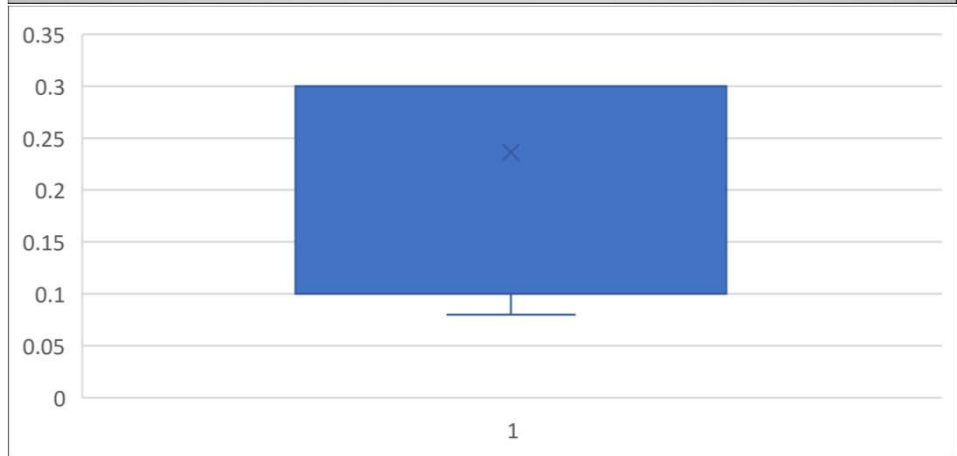
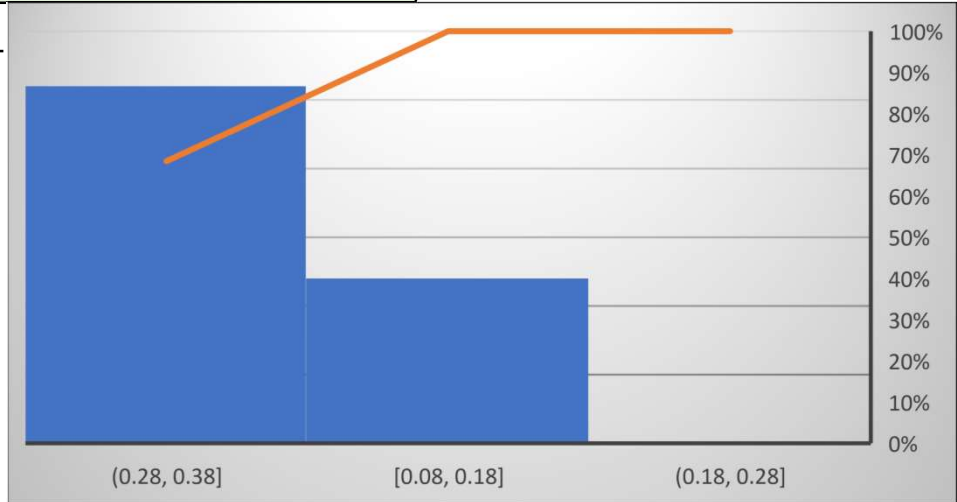
Time Frame
Jan 2017-Feb 2020

Wausau-effluent

Stats

Average	0.236316
Standard Dev.	0.096182
CV	0.407005
Count	38
Max Value	0.3
Min Value	0.08
first quartile	0.08
Second Quartile	0.1
Median	0.3
Third Quartile	0.3
Max Value	0.3
est.30 day p99	0.28
est.4 day P99	0.37
est.1 day P99	0.54
Correlation	0.78775

Notes:



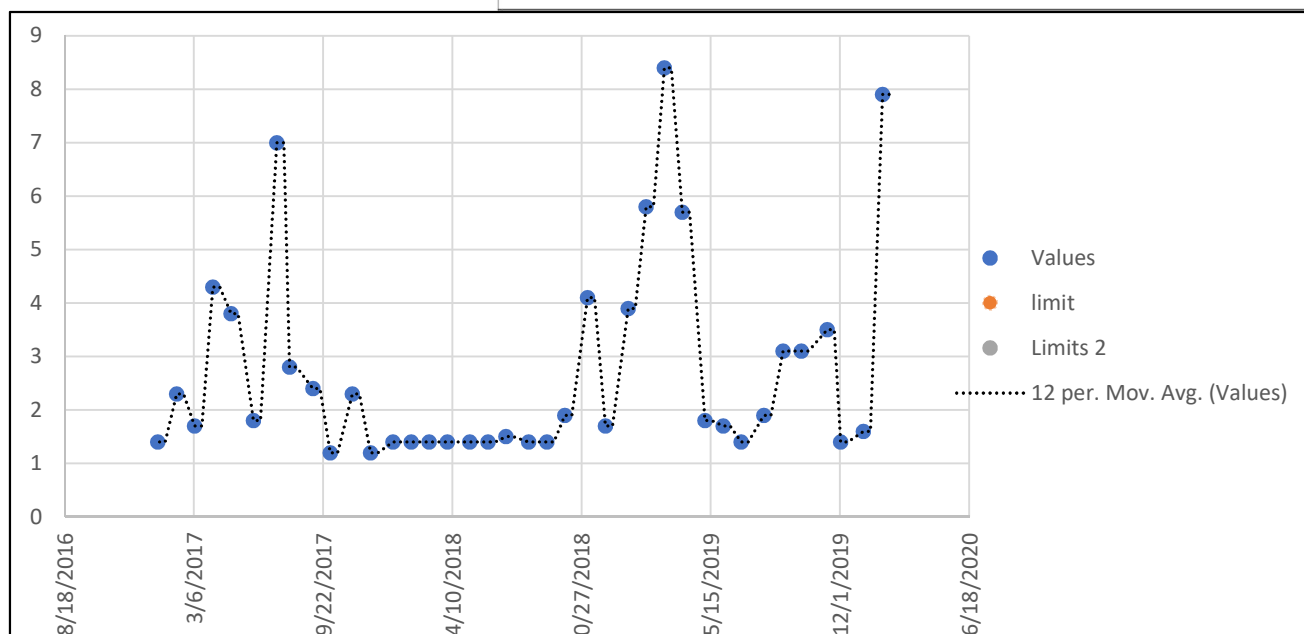
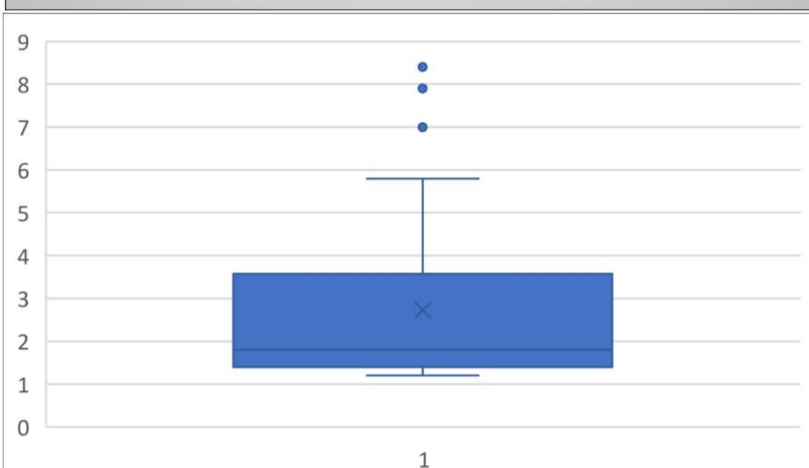
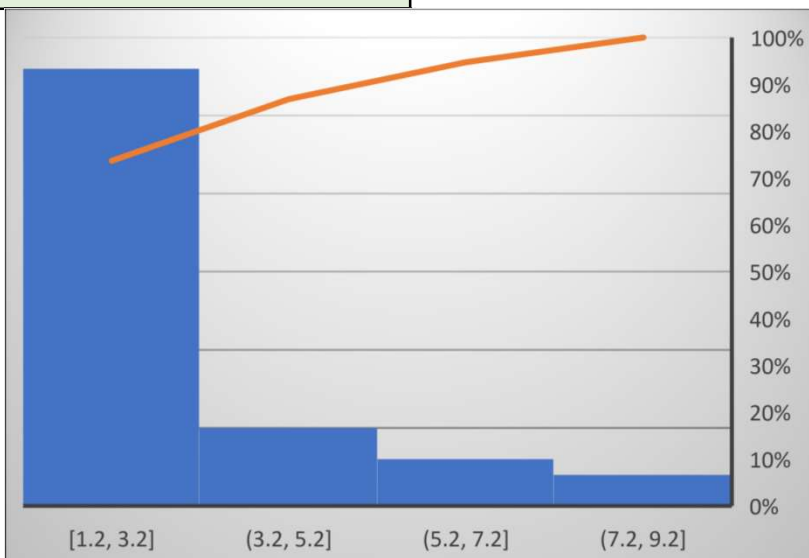
Chromium, Total Recoverable

Time Frame
Jan 2017-Feb 2020
Wausau-effluent

Stats

Average	2.731579
Standard Dev.	1.92271
CV	0.703882
Count	38
Max Value	8.4
Min Value	1.2
first quartile	1.2
Second Quartile	1.4
Median	1.8
Third Quartile	3.4
Max Value	8.4
30 day p99	3.65
4 day P99	5.71
1 day P99	9.77
Correlation	0.195884

Notes:



Copper, Total Recoverable

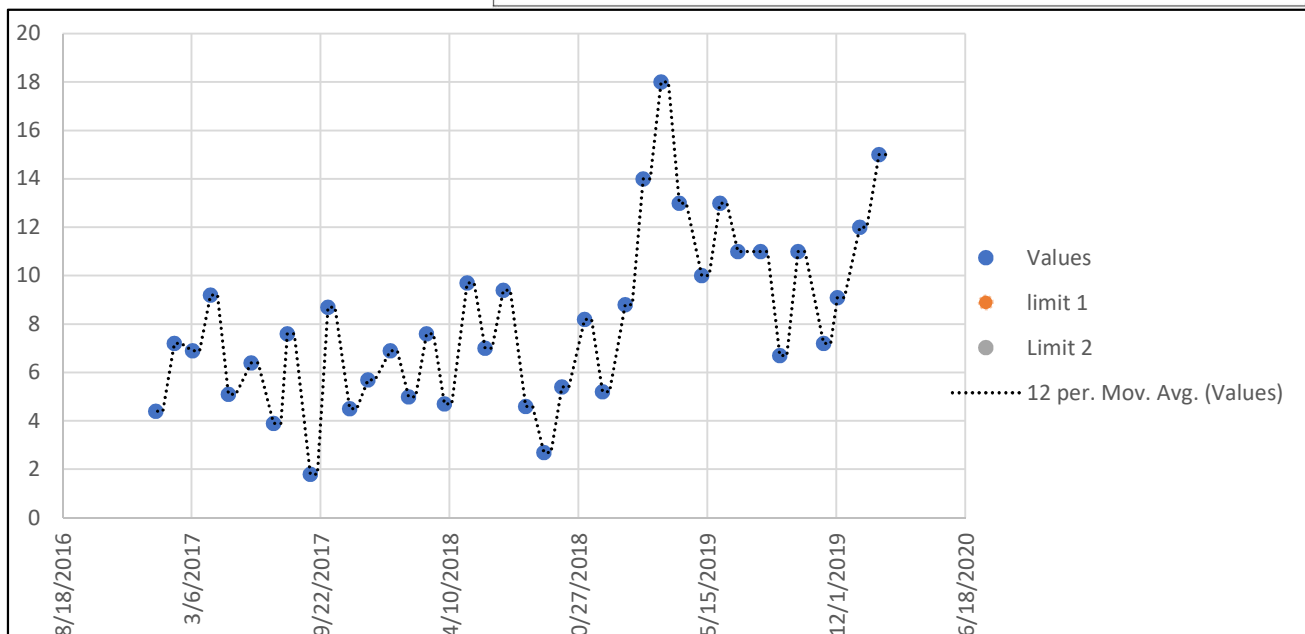
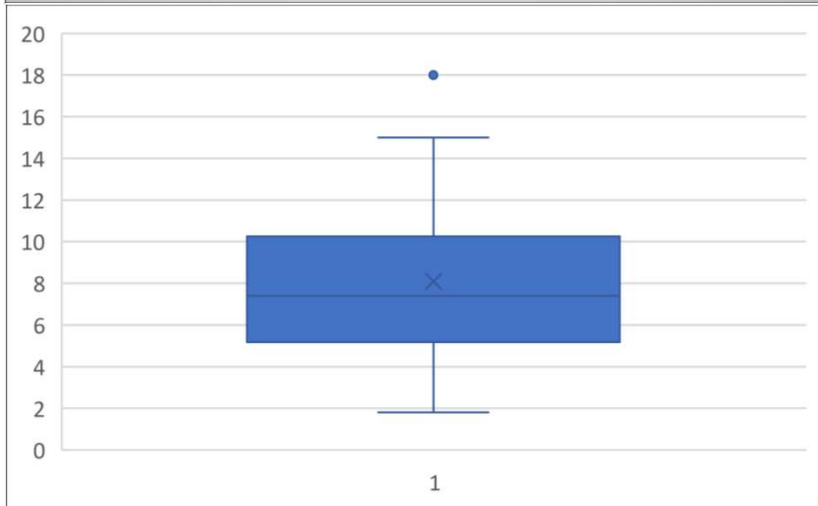
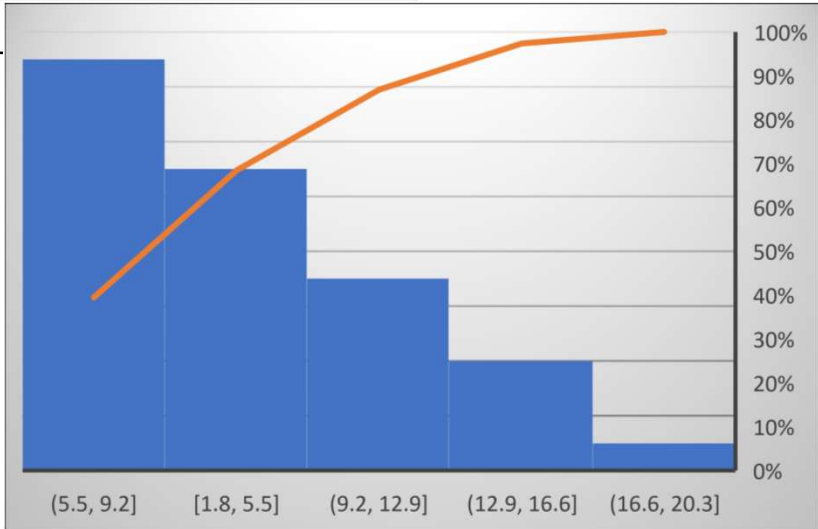
Time Frame
Jan 2017-Feb 2020

Wausau-effluent

Stats

Average	8.094737
Standard Dev.	3.55611
CV	0.439311
Count	38
Max Value	18
Min Value	1.8
first quartile	1.8
Second Quartile	5.25
Median	7.4
Third Quartile	9.925
Max Value	18
30 day p99	9.72
4 day P99	13.10
1 day P99	19.70
Correlation	0.577557

Notes:



Cyanide, Total

Time Frame

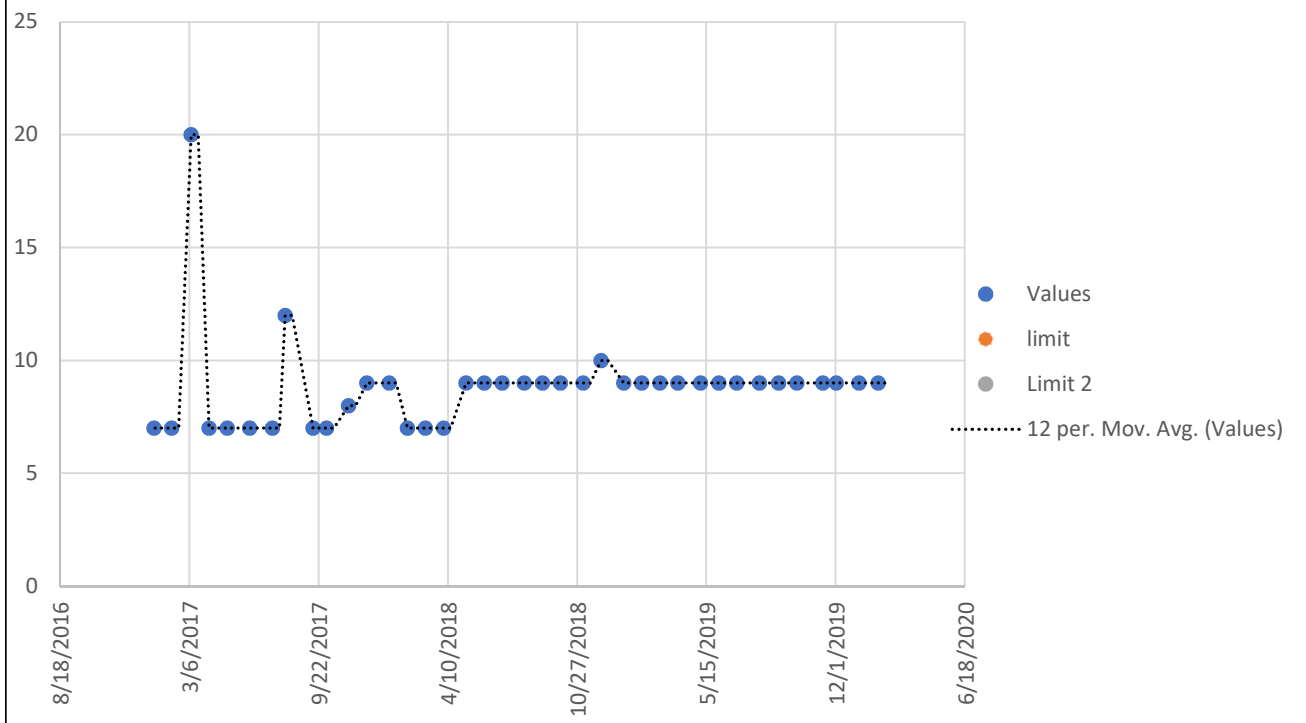
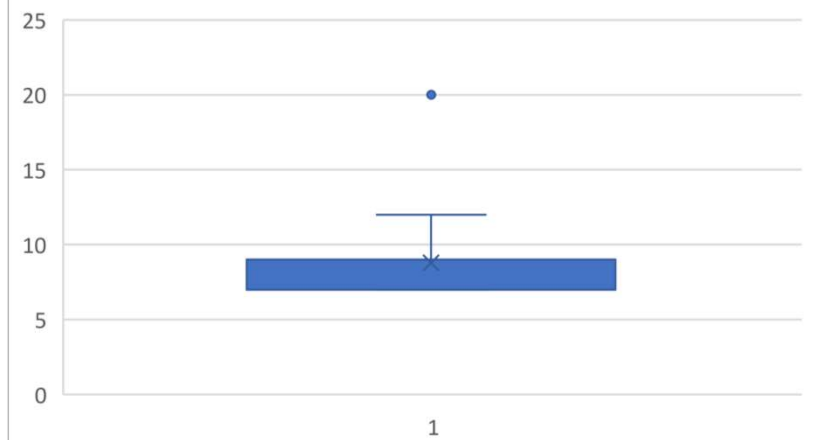
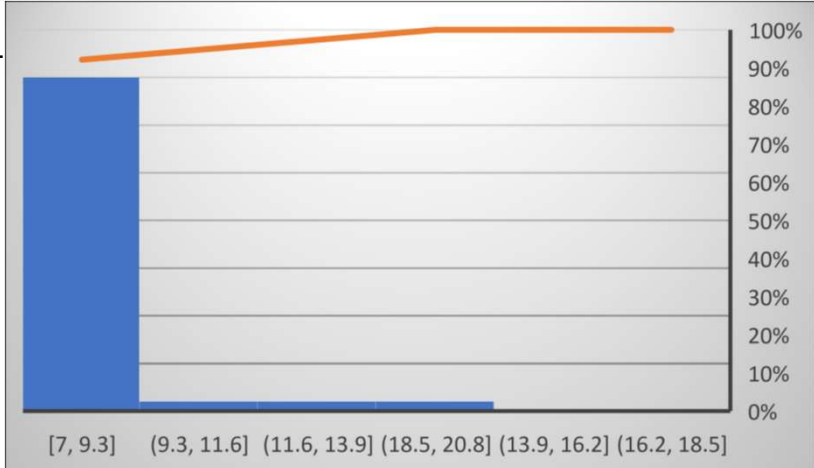
Jan 2017-Feb 2020

Wausau-effluent

Stats

Average	8.789474
Standard Dev.	2.170539
CV	0.246947
Count	38
Max Value	20
Min Value	7
first quartile	7
Second Quartile	7
Median	9
Third Quartile	9
Max Value	20
30 day p99	9.75
4 day P99	11.61
1 day P99	15.03
Correlation	0.052711

Notes:



Fecal Coliform

Time Frame

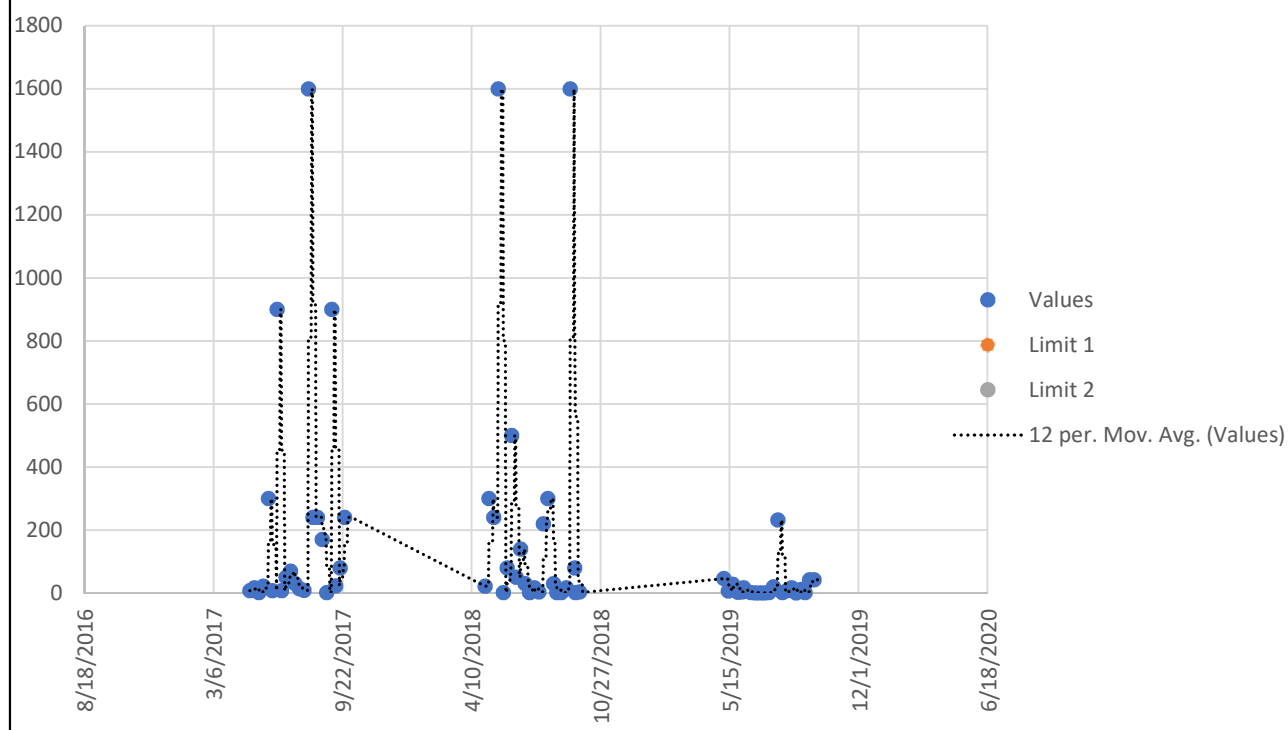
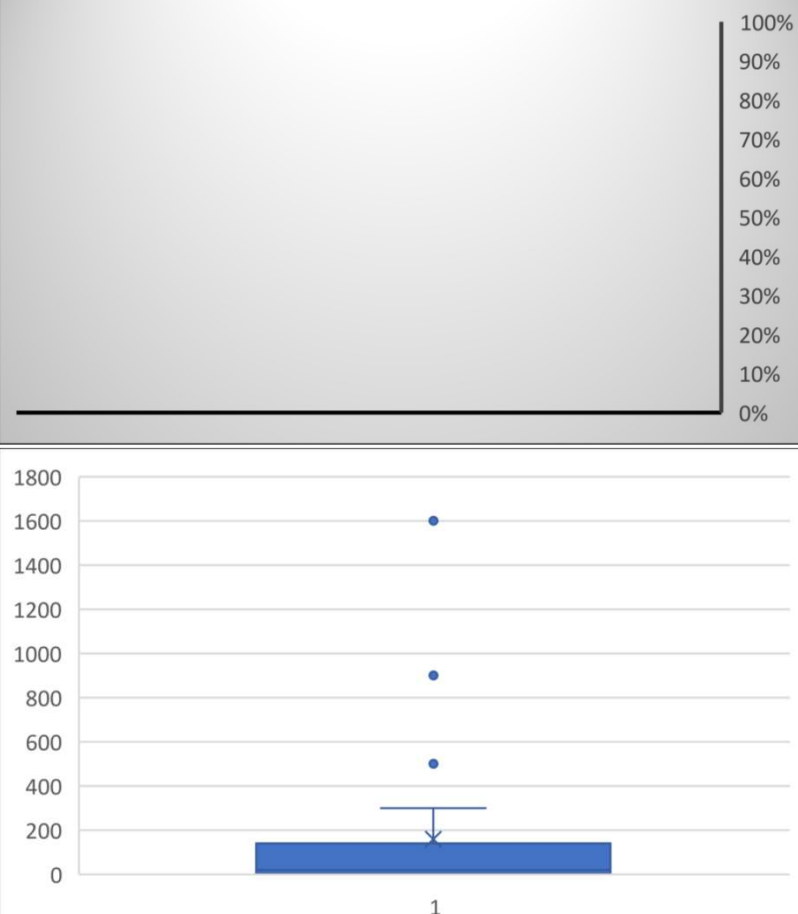
Jan 2017-Feb 2020

Wausau-effluent

Stats

Average	159.2985
Standard Dev.	359.7846
CV	2.258556
Count	67
Max Value	1600
Min Value	1
first quartile	1
Second Quartile	4
Median	20
Third Quartile	110
Max Value	1600
30 day p99	370.30
4 day P99	870.81
1 day P99	1473.79
Correlation	-0.2212

Notes:



Flow Rate

Time Frame

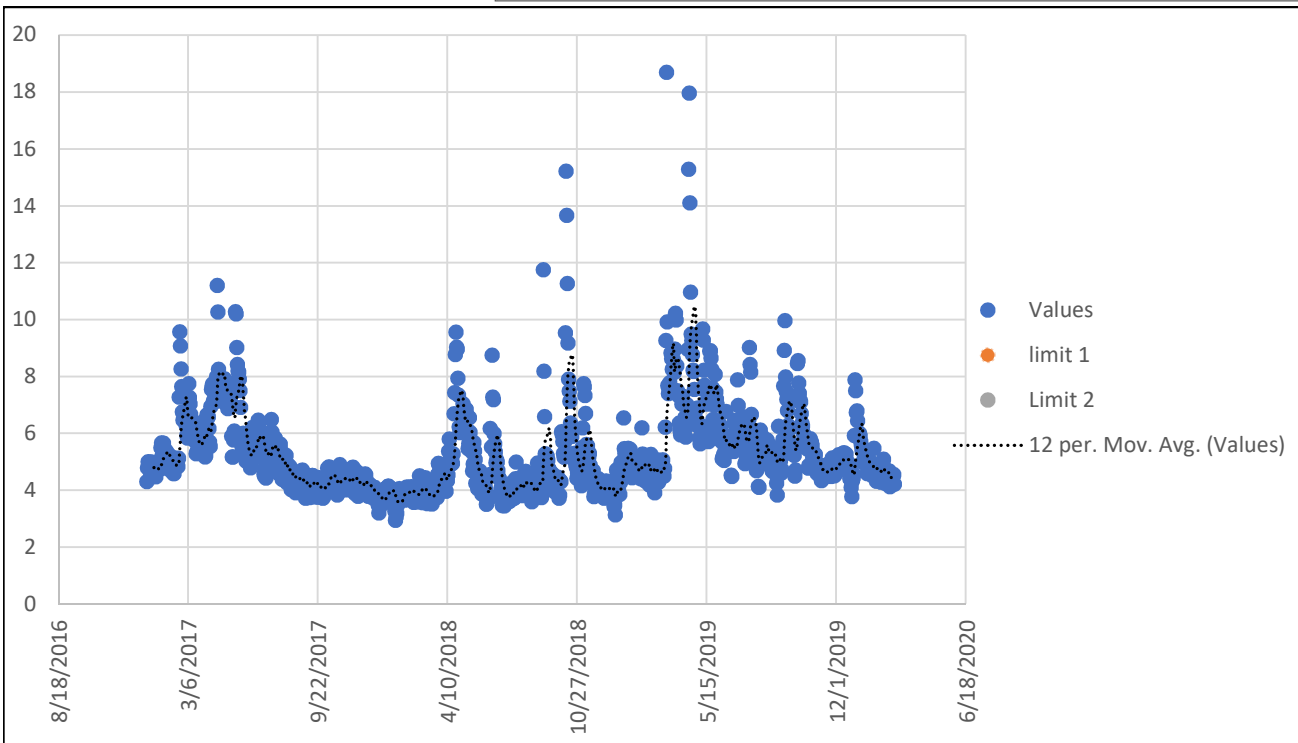
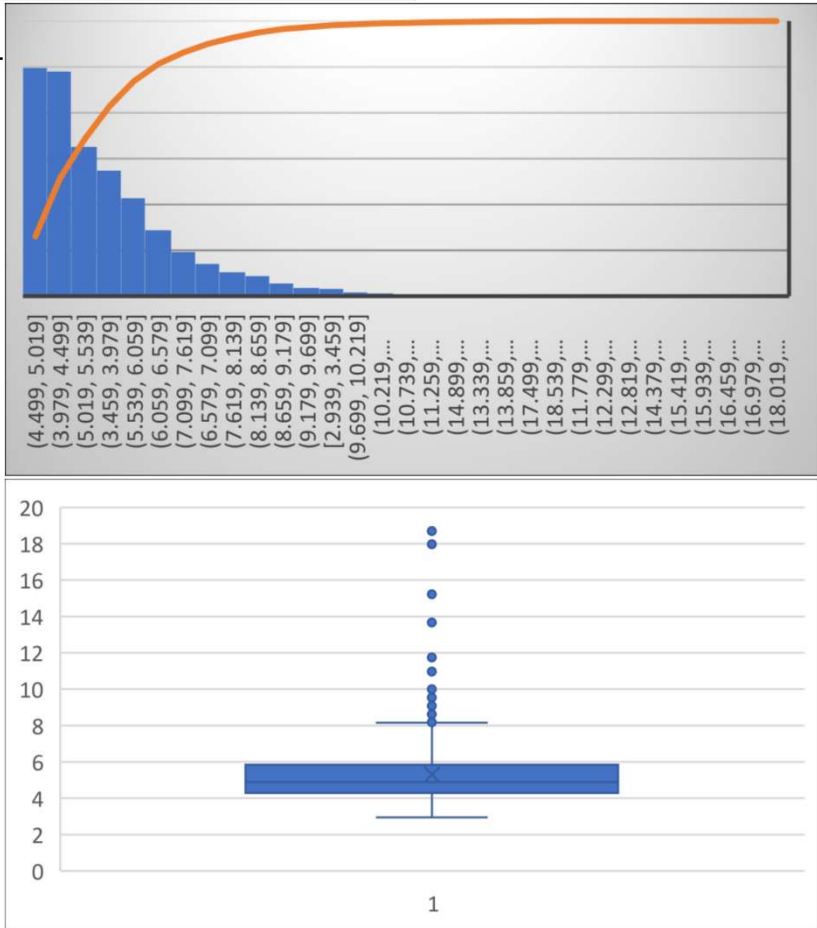
Jan 2017-Feb 2020

Wausau-effluent

Stats

Average	5.294536
Standard Dev.	1.559928
CV	0.29463
Count	1152
Max Value	18.698
Min Value	2.939
first quartile	2.939
Second Quartile	4.28275
Median	4.89
Third Quartile	5.832
Max Value	18.698
30 day p99	5.99
4 day P99	7.37
1 day P99	9.94
Correlation	0.076298

Notes:



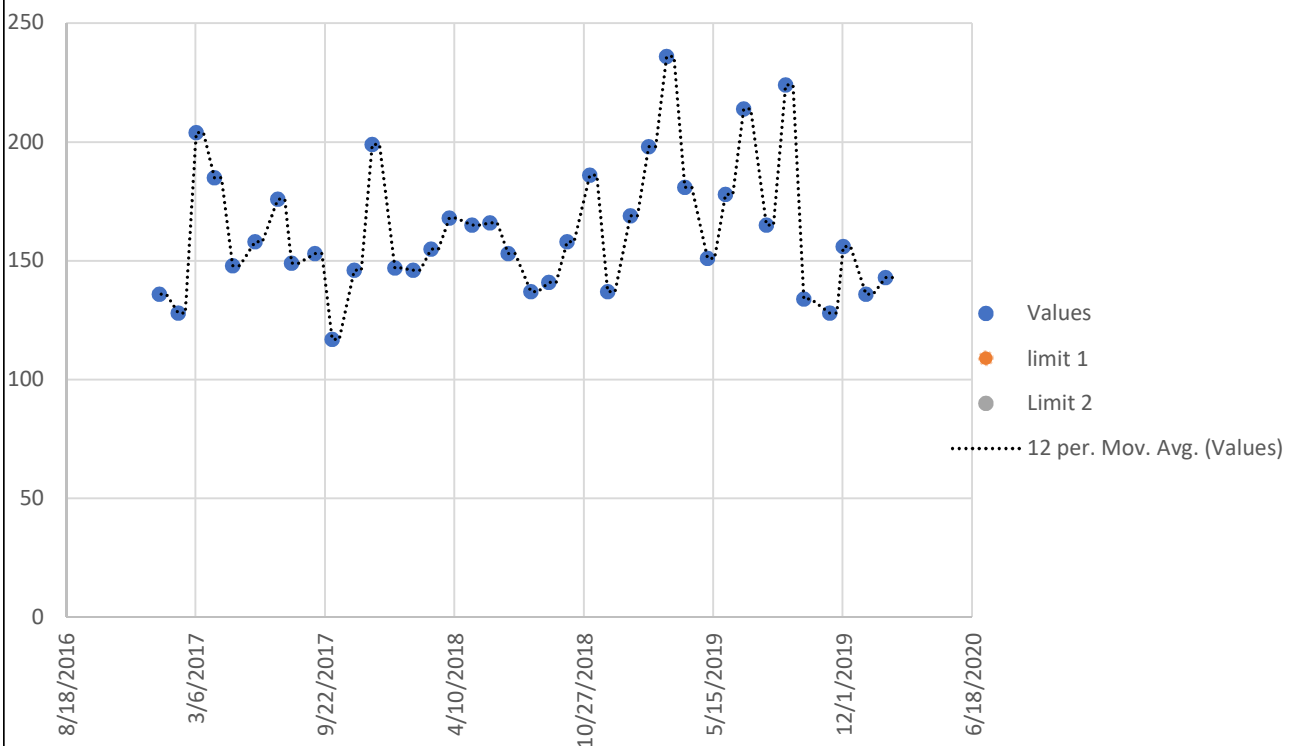
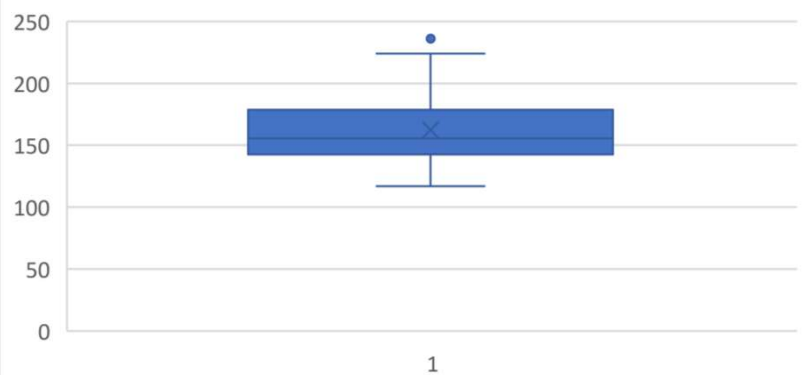
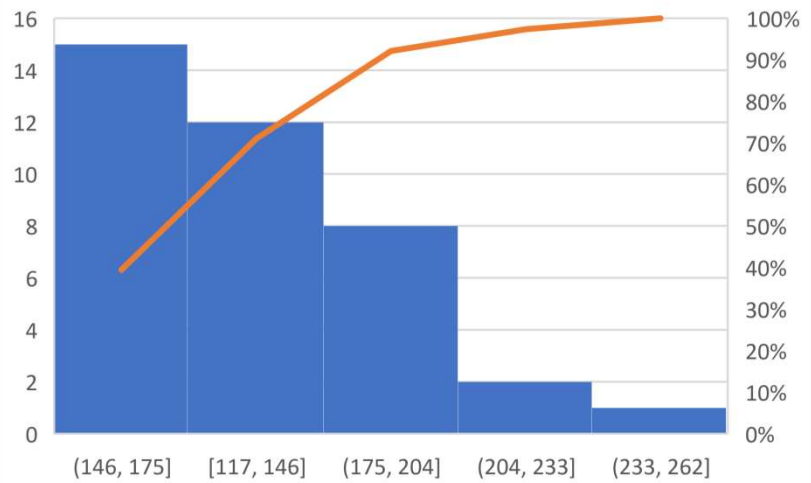
Hardness, Total as CaCO3

Time Frame
Jan 2017-Feb 2020
Wausau-effluent

Stats

Average	162.3947
Standard Dev.	27.75914
CV	0.170936
Count	38
Max Value	236
Min Value	117
first quartile	117
Second Quartile	143.75
Median	155.5
Third Quartile	177.5
Max Value	236
30 day p99	174.54
4 day P99	197.33
1 day P99	237.58
Correlation	0.123333

Notes:



Lead, Total Recoverable

Time Frame

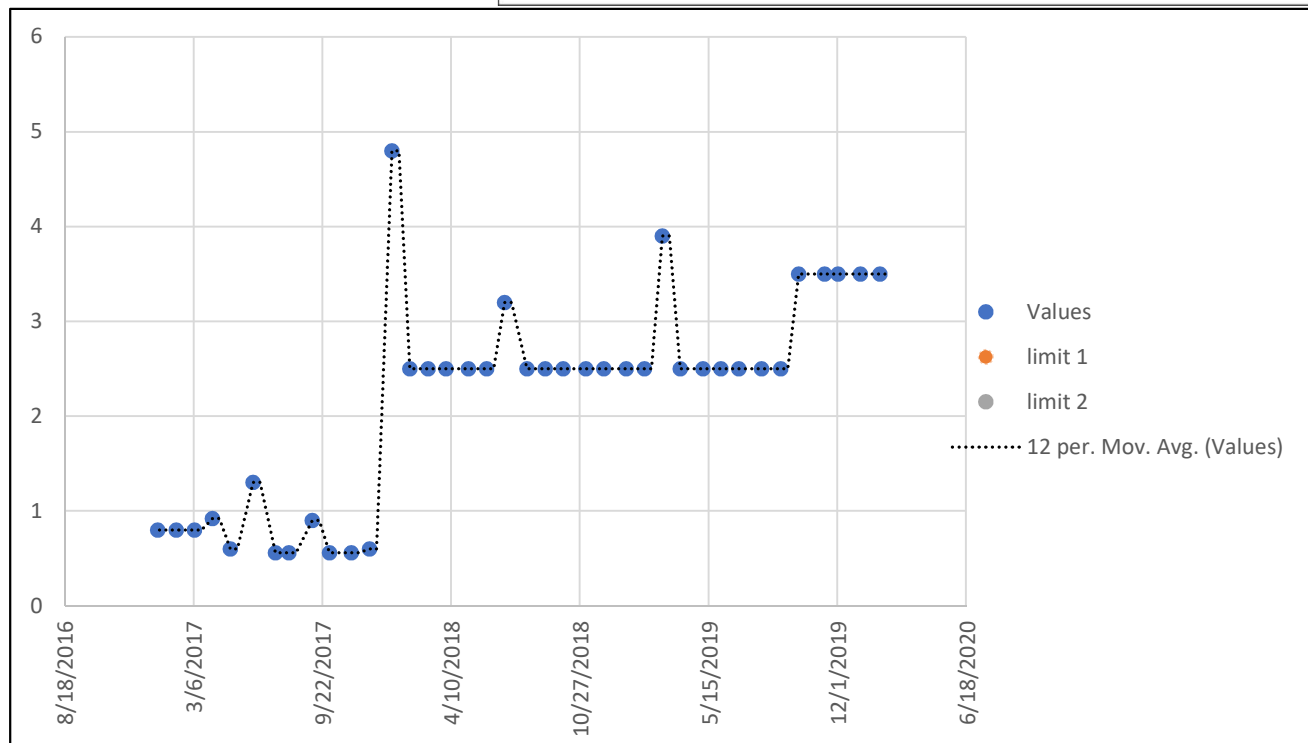
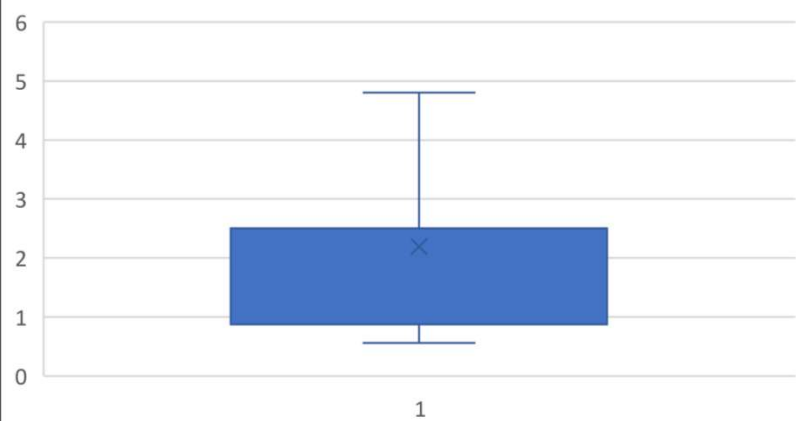
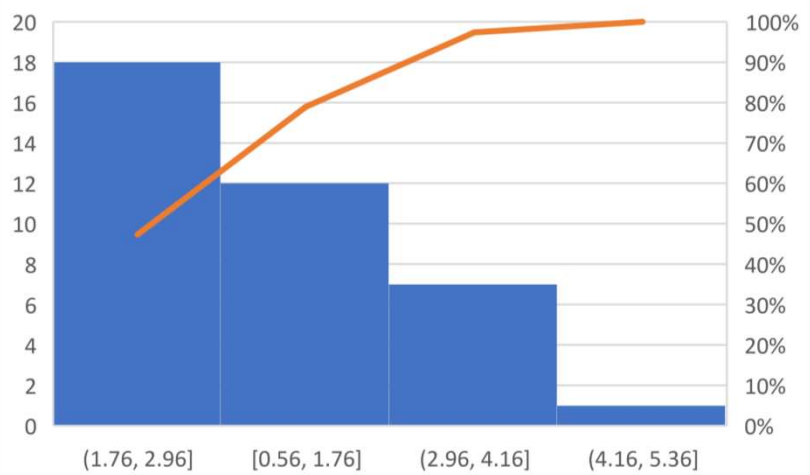
Jan 2017-Feb 2020

Wausau-effluent

Stats

Average	2.193684
Standard Dev.	1.12244
CV	0.511669
Count	38
Max Value	4.8
Min Value	0.56
first quartile	0.56
Second Quartile	0.905
Median	2.5
Third Quartile	2.5
Max Value	4.8
30 day p99	2.71
4 day P99	3.82
1 day P99	6.00
Correlation	0.754126

Notes:



Mercury, Total Recoverable

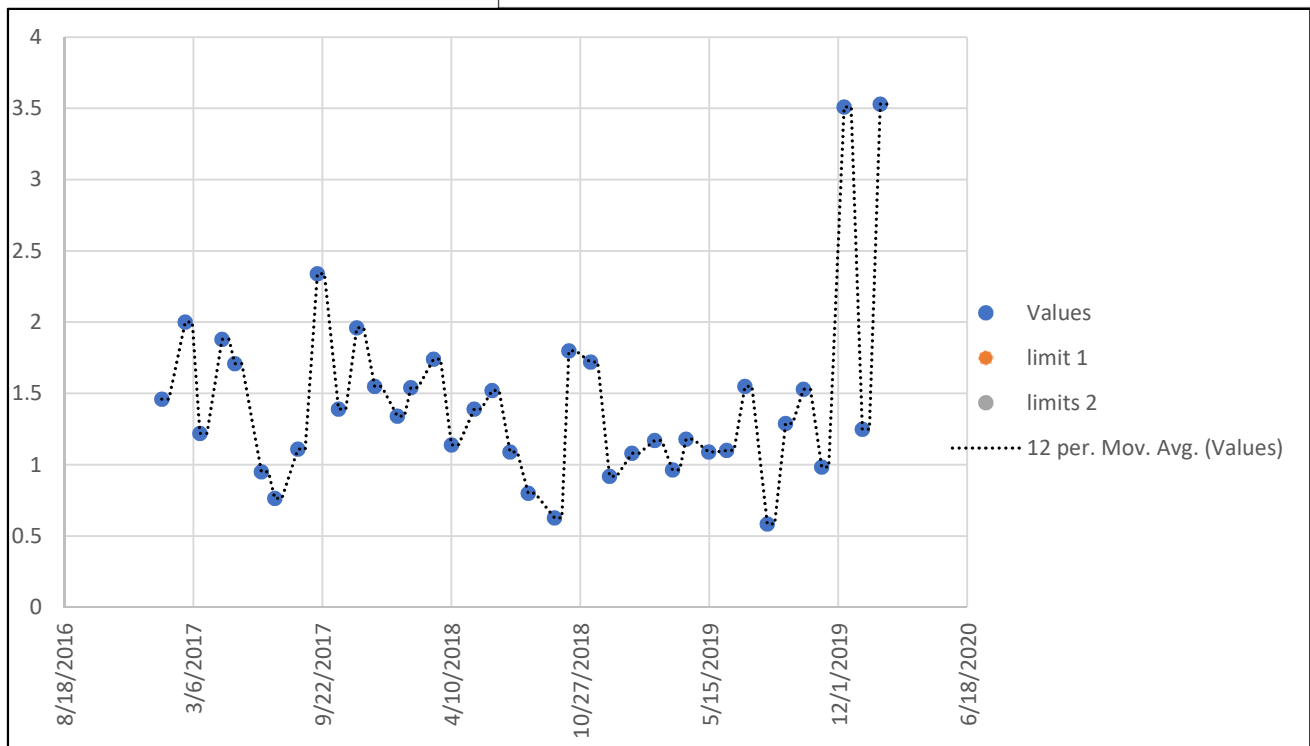
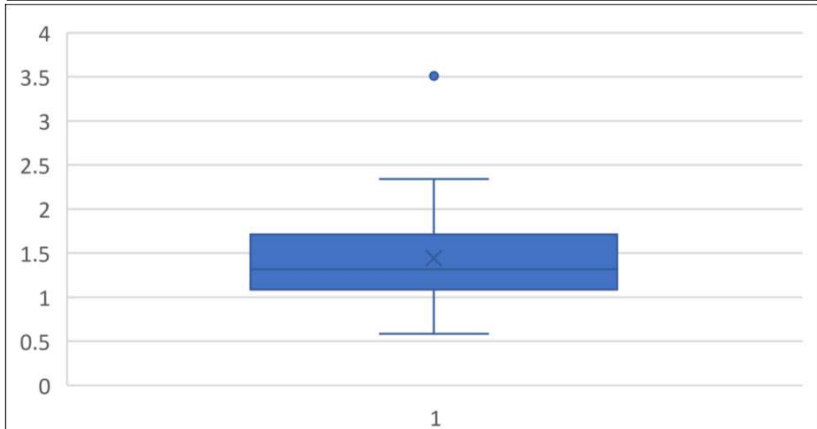
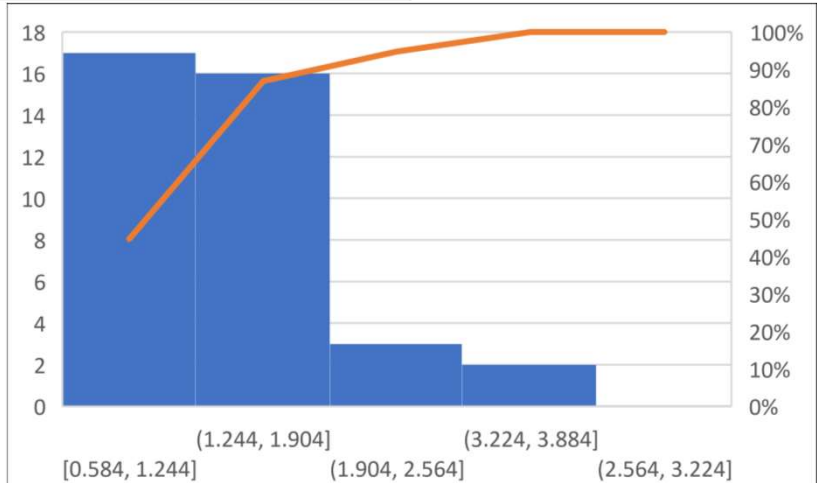
Time Frame
Jan 2017-Feb 2020

Wausau-effluent

Stats

Average	1.441447
Standard Dev.	0.63276
CV	0.438976
Count	38
Max Value	3.53
Min Value	0.584
first quartile	0.584
Second Quartile	1.09
Median	1.315
Third Quartile	1.67
Max Value	3.53
30 day p99	1.73
4 day P99	2.33
1 day P99	3.51
Correlation	0.080172

Notes:





Land Application Activity

Approved Sites *All Sites*

Permittee/Licensee WAUSAU WATER WORKS WW TREATMENT FACILITY	WPDES Number or Septage License Number 0025739	FID Number 737008690
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Site # /			Waste Types								Legal Description							Region - County		Apprvd	Wisc Adm	Last Soil																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
DNR #	Field #	Site Owner	W	P	M	S	S	P	P	M	I	S	I	W	F	P	O	T	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q

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Site # /			Waste Types								Legal Description							Region - County		Apprvd	Wisc Adm	Last Soil	
DNR #	Field #	Site Owner	WP	MS	SP	PM	IS	IW	FP	OT	QQ	QQ	Q	Sec	Twnshp	Range	Village/City/Town	Acres	Code	Analysis			
20890	7 / 35	Salzmn, Harold	N	N	N	N	N	N	N	N			NW	NE	36	29	N	8	E	WC Marathon	5	204	1990
20891	7 / 36	Salzmn, Harold	N	N	N	N	N	N	N	N			SE	NW	24	29	N	8	E	WC Marathon	30	204	1993
20892	13 / R1	Hull, Mark	N	N	N	N	N	N	N	N			NE	NW	1	28	N	8	E	WC Marathon	8	204	2019
20893	13 / R2	Hull, Mark	N	N	N	N	N	N	N	N			NE	NW	1	28	N	8	E	WC Marathon	8	204	2015
20894	13 / R3	Hull, Mark	N	N	N	N	N	N	N	N			NE	NW	1	28	N	8	E	WC Marathon	7	204	2019
20895	13 / R4	Hull, Mark	N	N	N	N	N	N	N	N			NE	NW	1	28	N	8	E	WC Marathon	8	204	2006
20896	13 / S3	Salzmn, Harold	N	N	N	N	N	N	N	N			NW	SE	36	29	N	8	E	WC Marathon	8	204	2011
20897	13 / S4	Salzmn, Harold	N	N	N	N	N	N	N	N			NW	SE	36	29	N	8	E	WC Marathon	15	204	2011
20898	13 / S6N	Salzmn, Harold	N	N	N	N	N	N	N	N			NW	SE	36	29	N	8	E	WC Marathon	14	204	2014
20899	13 / S6S	Gruling, Dave	N	N	N	N	N	N	N	N			SW	SE	36	29	N	8	E	WC Marathon	6	204	2006
20900	13 / S7	Salzmn, Harold	N	N	N	N	N	N	N	N			SE	NE	36	29	N	8	E	WC Marathon	10	204	2006
20901	13 / 2A	Gruling, Dave	N	N	N	N	N	N	N	N			SE	SW	36	29	N	8	E	WC Marathon	8	204	2019
20902	13 / 5	Gruling, Dave	N	N	N	N	N	N	N	N			NE	SW	36	29	N	8	E	WC Marathon	6	204	2006
20903	6 / 11A	Suchon, E.	N	N	N	N	N	N	N	N			NE	NE	5	29	N	8	E	WC Marathon	11	204	1991
20904	6 / 12A	Suchon, E.	N	N	N	N	N	N	N	N			SW	NE	4	29	N	8	E	WC Marathon	12	204	1991
20905	6 / 26A	Suchon, E.	N	N	N	N	N	N	N	N			SW	NE	4	29	N	8	E	WC Marathon	26	204	1991
20909	15 / 1	Burmeister, Henry	N	N	N	N	N	N	N	N			SW	NW	26	30	N	5	E	WC Marathon	40	204	1992
20910	15 / 2	Burmeister, Henry	N	N	N	N	N	N	N	N			SE	SE	30	30	N	6	E	WC Marathon	25	204	1992
20911	15 / 3	Burmeister, Henry	N	N	N	N	N	N	N	N			NW	SE	30	30	N	6	E	WC Marathon	15	204	1997
20913	17 / B3	Pagel/Breitenfeldt	N	N	N	N	N	N	N	N			SW	SW	22	29	N	8	E	WC Marathon	18	204	2015
20915	17 / P5	Pagel/Breitenfeldt	N	N	N	N	N	N	N	N			SE	SE	21	29	N	8	E	WC Marathon	6	204	2002
20917	17 / N8	Pagel/Breitenfeldt	N	N	N	N	N	N	N	N			NE	NW	27	29	N	8	E	WC Marathon	10	204	2006
20919	18 / 1	Tornow, Blaine	N	N	N	N	N	N	N	N			SE	SW	33	30	N	6	E	WC Marathon	7	204	1992
20920	18 / 2	Tornow, Blaine	N	N	N	N	N	N	N	N			SE	SW	33	30	N	6	E	WC Marathon	3	204	1992
20921	18 / 3	Tornow, Blaine	N	N	N	N	N	N	N	N			SE	SW	33	30	N	6	E	WC Marathon	4	204	1992
20922	18 / 4	Tornow, Blaine	N	N	N	N	N	N	N	N			SE	SW	33	30	N	6	E	WC Marathon	3	204	1992
20923	18 / 6	Tornow, Blaine	N	N	N	N	N	N	N	N			SW	SW	33	30	N	6	E	WC Marathon	6	204	1992
20924	13 / 1C	Gruling, D	N	N	N	N	N	N	N	N			NE	SW	36	29	N	8	E	WC Marathon	10	204	2019
20925	19 / 3	Oelke, L.	N	N	N	N	N	N	N	N			SE	SW	32	29	N	6	E	WC Marathon	10	204	1992
20926	7 / 25	Sowinski, T.	N	N	N	N	N	N	N	N			NW	SE	25	29	N	8	E	WC Marathon	3	204	1993
20927	7 / 26	Sowinski, T.	N	N	N	N	N	N	N	N			NW	SE	25	29	N	8	E	WC Marathon	1	204	1993
20928	7 / 31	Salzman, Harold	N	N	N	N	N	N	N	N			SW	SE	25	29	N	8	E	WC Marathon	3	204	1993
20929	7 / 32	Salzmn, Harold	N	N	N	N	N	N	N	N			SW	SE	25	29	N	8	E	WC Marathon	3	204	1993
20930	15 / 4	Burmeister, Henry	N	N	N	N	N	N	N	N			SW	SW	30	30	N	6	E	WC Marathon	15	204	1993
20931	15 / 5	Burmeister, Henry	N	N	N	N	N	N	N	N			NW	SW	30	30	N	6	E	WC Marathon	10	204	1993

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Site # /			Waste Types							Legal Description							Region - County		Apprvd Acres	Wisc Adm Code	Last Soil Analysis																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
DNR #	Field #	Site Owner	W	P	M	S	S	P	M	I	S	I	W	F	P	O						T	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q

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DNR #	Field #	Site Owner	WP	MS	SP	PM	IS	IW	FP	OT	QQ	QQ	Q	Sec	Twnshp	Range	Village/City/Town						
35474	16 / I	Kolbe, Walter	N	Y	N	N	N	N	N	N	N	SW	NW	11	28	N	6 E	Town of Marathon	WC	Marathon	15	204	1998
35475	16 / J	Kolbe, Walter	N	Y	N	N	N	N	N	N	S	SW	NW	11	28	N	6 E	Town of Marathon	WC	Marathon	11	204	1998
35476	26 / G2	Witter, Gene	N	Y	N	N	N	N	N	N		NE	NW	22	29	N	7 E	Town of Maine	WC	Marathon	7	204	1995
35477	26 / 2A	Witter, Gene	N	Y	N	N	N	N	N	N	N	SW	SW	15	29	N	7 E	Town of Maine	WC	Marathon	8	204	1994
35478	26 / 2D	Witter, Gene	N	Y	N	N	N	N	N	N	S	SW	SW	15	29	N	7 E	Town of Maine	WC	Marathon	10	204	1994
35569	24 / 1A	Kowalski, Don	N	Y	N	N	N	N	N	N	N	SE	SW	10	29	N	8 E	Town of Marathon	WC	Marathon	21	204	2013
35633	14 / 4	Burmeister, Allen	N	Y	N	N	N	N	N	N	S	SE	NE	25	30	N	5 E	Town of Hamburg	WC	Marathon	9	204	1997
35950	13 / S2	Salzman, Harold	N	Y	N	N	N	N	N	N	W	SW	SE	36	29	N	8 E	Town of Wausau	WC	Marathon	8	204	2001
35961	13 / M1	Gruling, Dave	N	Y	N	N	N	N	N	N	W	SW	SE	36	29	N	8 E	Town of Wausau	WC	Marathon	6	204	2010
37632	17 / L5	Lange, Dale/Arthur	N	Y	N	N	N	N	N	N	E	E	NE	27	29	N	8 E	Town of Wausau	WC	Marathon	5	204	2006
37633	17 / L4	Lange, Dale/Arthur	N	Y	N	N	N	N	N	N	E	E	NE	27	29	N	8 E	Town of Wausau	WC	Marathon	7	204	2006
37634	17 / L3	Lange, Dale/Arthur	N	Y	N	N	N	N	N	N	W	E	NE	27	29	N	8 E	Town of Wausau	WC	Marathon	7	204	2006
37636	21 / 2	Zoborowski, Nick	N	Y	N	N	N	N	N	N	W	E	SE	25	30	N	6 E	Town of Berlin	WC	Marathon	5	204	2000
37637	21 / 7	Zoborowski, Nick	N	Y	N	N	N	N	N	N	S	N	SW	30	30	N	7 E	Town of Berlin	WC	Marathon	7	204	1997
38316	24-BET /	Klatt, Ron	N	Y	N	N	N	N	N	N	NE	NW	SE	20	29	N	8 E	Town of Wausau	WC	Marathon	8	204	1996
38317	24-BET /	Klatt, Ron	N	Y	N	N	N	N	N	N	SE	NW	SE	20	29	N	8 E	Town of Wausau	WC	Marathon	8	204	1996
38318	24-SELL	Klatt, Ron	N	Y	N	N	N	N	N	N	SW	NW	SE	20	29	N	8 E	Town of Wausau	WC	Marathon	6	204	1996
40066	3 / 11	Eckardt Corp.	N	Y	N	N	N	N	N	N	S	NW	NE	23	30	N	7 E	Town of Maine	WC	Marathon	10	204	1998
40855	24 / 7	Kowalski, Don	N	Y	N	N	N	N	N	N	S	SE	SW	10	29	N	8 E	Town of Wausau	WC	Marathon	5	204	2007
40856	24 / 3	Kowalski, Don	N	Y	N	N	N	N	N	N	S	SW	SE	10	29	N	8 E	Town of Wausau	WC	Marathon	12	204	2015
41270	27 / 1	Baumann, Charles	N	Y	N	N	N	N	N	N	NE	NW	NW	1	29	N	7 E	Town of Texas	WC	Marathon	14	204	1998
41463	17 / S8	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	S	S	NW	26	29	N	8 E	Town of Wausau	WC	Marathon	7	204	2015
41464	17 / S9	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	S	S	NW	26	29	N	8 E	Town of Wausau	WC	Marathon	9	204	2015
41465	17 / S10	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	S	S	NW	26	29	N	8 E	Town of Wausau	WC	Marathon	9	204	2006
42849	24 / 16	Kowalski, Don	N	Y	N	N	N	N	N	N		SE	NW	10	29	N	8 E	Town of Wausau	WC	Marathon	16	204	2007
43951	19 / 1EB	Burish, Elton	N	Y	N	N	N	N	N	N	S	NE	NE	5	28	N	6 E	Town of Marathon	WC	Marathon	10	204	2002
43952	19 / 3EB	Burish, Elton	N	Y	N	N	N	N	N	N	N	NE	NE	5	28	N	6 E	Town of Marathon	WC	Marathon	23	204	2002
43964	22 / F10	Skic Inc.	N	Y	N	N	N	N	N	N	S	SE	SW	2	30	N	7 E	Town of Maine	WC	Marathon	8.5	204	1999
43965	16 / K	Wokatsch, Henry	N	Y	N	N	N	N	N	N	N	SW	SE	10	28	N	6 E	Town of Marathon	WC	Marathon	15	204	1998
43966	16 / O	Wokatsch, Henry	N	Y	N	N	N	N	N	N	S	S	SE	10	28	N	6 E	Town of Marathon	WC	Marathon	12.5	204	2000
44146	24 / 5	Kowalski, Don	N	Y	N	N	N	N	N	N		SW	SE	10	29	N	8 E	Town of Wausau	WC	Marathon	17	204	2015
44289	22 / 5	Skic Inc.	N	Y	N	N	N	N	N	N	W	SW	NE	11	30	N	7 E	Town of Maine	WC	Marathon	14	204	1998
48753	22 / B3	Balz, Donald	N	Y	N	N	N	N	N	N		SW	SW	14	30	N	7 E	Town of Maine	WC	Marathon	20	204	1999
50315	14 / 5	Burmeister, Al	N	Y	N	N	N	N	N	N		NE	NE	25	30	N	5 E	Town of Hamburg	WC	Marathon	26	204	1997
53675	16 / P	Kolbe, Walter	N	Y	N	N	N	N	N	N	NW	NW	SW	11	28	N	6 E		WC	Marathon	5	204	2000

Approved Sites *All Sites*

Permittee/Licensee WAUSAU WATER WORKS WW TREATMENT FACILITY	WPDES Number or Septage License Number 0025739	FID Number 737008690
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Site # /			Waste Types								Legal Description								Region - County		Apprvd Acres	Wisc Code	Adm Last Soil Analysis
DNR #	Field #	Site Owner	WP	MS	SP	PM	IS	IW	FP	OT	QQ	QQ	Q	Sec	Twnshp	Range	Village/City/Town	Region - County	Acres	Code	Analysis		
53790	19 / BW	Oelke, David	N	Y	N	N	N	N	N	N				SE	NW 5	28 N	6 E		WC	Marathon	11	204	2001
55066	7 / L1	LaRue, Arthur	N	Y	N	N	N	N	N	N					NW 22	30 N	9 E	Town of Hewitt	WC	Marathon	23.5	204	2017
57097	24 / 1R	Kowalski, Don	N	Y	N	N	N	N	N	N	N			SE	SE 9	29 N	8 E	Town of Wausau	WC	Marathon	8	204	2005
57099	24 / 2R	Kowalski, Don	N	Y	N	N	N	N	N	N				SE	SE 9	29 N	8 E	Town of Wausau	WC	Marathon	15	204	2005
57100	24 / 3R	Kowalski, Don	N	Y	N	N	N	N	N	N	S			SE	SE 9	29 N	8 E	Town of Wausau	WC	Marathon	11	204	2015
57101	24 / 9	Kowalski, Don	N	Y	N	N	N	N	N	N	N			SW	NW 10	29 N	8 E	Town of Wausau	WC	Marathon	24	204	2013
57104	24 / 10	Kowalski, Don	N	Y	N	N	N	N	N	N	S			SW	NW 10	29 N	8 E	Town of Wausau	WC	Marathon	12	204	2013
57386	28 / 1	Ferge, Leslie	N	Y	N	N	N	N	N	N					NW SW 32	29 N	8 E	Town of Wausau	WC	Marathon	40	204	2015
60098	17 / S7	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	S			SW	NW 26	29 N	8 E	Town of Wausau	WC	Marathon	15	204	2015
60099	17 / L6	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	N			NW	SW 26	29 N	8 E	Town of Wausau	WC	Marathon	20	204	2015
60101	17 / L8	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	S			NW	SW 26	29 N	8 E	Town of Wausau	WC	Marathon	5	204	2015
60102	17 / O1	Olson Paving	N	Y	N	N	N	N	N	N	NE			SE	SE 29	29 N	8 E	Town of Wausau	WC	Marathon	4	204	2015
60103	17 / O2	Olson Paving	N	Y	N	N	N	N	N	N	S			SE	SE 29	29 N	8 E	Town of Wausau	WC	Marathon	18	204	2015
60104	17 / L1	Lange, Dale	N	Y	N	N	N	N	N	N	W			NE	NE 27	29 N	8 E	Town of Wausau	WC	Marathon	5	204	2015
60105	17 / L2	Lange, Dale	N	Y	N	N	N	N	N	N	W			NE	NE 27	29 N	8 E	Town of Wausau	WC	Marathon	5	204	2015
60106	17 / B2	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	E			NW	NW 27	29 N	8 E	Town of Wausau	WC	Marathon	18	204	2006
60107	17 / B2	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	W			NW	NW 27	29 N	8 E	Town of Wausau	WC	Marathon	18	204	2006
60299	19 / 1GS	Semerau, Gary	N	Y	N	N	N	N	N	N	NW			SE	NW 32	29 N	6 E	Town of Stettin	WC	Marathon	4	204	2001
60300	19 / 2GS	Semerau, Gary	N	Y	N	N	N	N	N	N	NE			SW	NW 32	29 N	6 E	Town of Stettin	WC	Marathon	4	204	2001
60301	19 / 3GS	Semerau, Gary	N	Y	N	N	N	N	N	N	NW			SW	NW 32	29 N	6 E	Town of Stettin	WC	Marathon	4	204	2001
60302	19 / 5GS	Semerau, Gary	N	Y	N	N	N	N	N	N	NW			SW	NW 32	28 N	6 E	Town of Marathon	WC	Marathon	11	204	2001
60546	29 / 2	Krueger, Mavis	N	Y	N	N	N	N	N	N	W			NW	SW 16	29 N	6 E	Town of Stettin	WC	Marathon	16.5	204	2015
60547	29 / 3	Krueger, Mavis	N	Y	N	N	N	N	N	N	E			NW	SW 16	29 N	6 E	Town of Stettin	WC	Marathon	16.5	204	2015
60595	19 / 1CC	Hong	N	Y	N	N	N	N	N	N					NW NW 4	28 N	6 E	Town of Marathon	WC	Marathon	18	204	2002
60596	19 / FW	Oelke, Dave	N	Y	N	N	N	N	N	N	E			E	NE 6	28 N	6 E	Town of Marathon	WC	Marathon	12	204	2001
62243	30 / NE2	Kunze, Doug	N	Y	N	N	N	N	N	N	NW			NW	SE 11	29 N	8 E	Town of Wausau	WC	Marathon	8	204	2001
62244	30 / NE3	Kunze, Doug	N	Y	N	N	N	N	N	N	SW			NW	SE 11	29 N	8 E	Town of Wausau	WC	Marathon	7	204	2006
62245	30 / NE4	Kunze, Doug	N	Y	N	N	N	N	N	N	SW			NW	SE 11	29 N	8 E	Town of Wausau	WC	Marathon	6	204	2006
62246	30 / NW2	Kunze, Doug	N	Y	N	N	N	N	N	N	N			SW	SW 11	29 N	8 E	Town of Wausau	WC	Marathon	8	204	2005
62247	30 / SW	Kunze, Doug	N	Y	N	N	N	N	N	N	S			SW	SW 11	29 N	8 E	Town of Wausau	WC	Marathon	6	204	2006
62248	30 / N89	Kunze, Mike	N	Y	N	N	N	N	N	N	SE			SE	SE 11	29 N	8 E	Town of Wausau	WC	Marathon	10	204	2006
62825	29 / 99	Wasmundt, Ernest	N	Y	N	N	N	N	N	N	S			SE	SW 15	29 N	6 E	Town of Stettin	WC	Marathon	12	204	2015
62884	31 / A1	Koenig Family Trust	N	Y	N	N	N	N	N	N	N			SE	NW 28	29 N	6 E	Town of Stettin	WC	Marathon	17	204	
62885	31 / A2	Koenig Family Trust	N	Y	N	N	N	N	N	N	SE			NW	NW 28	29 N	6 E	Town of Stettin	WC	Marathon	20	204	
62886	31 / A3	Koenig Family Trust	N	Y	N	N	N	N	N	N	S			SE	NW 28	29 N	6 E	Town of Stettin	WC	Marathon	6	204	

Approved Sites *All Sites*

Permittee/Licensee
WAUSAU WATER WORKS WW TREATMENT FACILITY

WPDES Number or Septage License Number
0025739

FID Number
737008690

Site # /			Waste Types								Legal Description								Region - County		Apprvd	Wisc	Adm	Last Soil
DNR #	Field #	Site Owner	WP	MS	SP	PM	IS	IW	FP	OT	QQ	QQ	Q	Sec	Twnshp	Range	Village/City/Town	Acres	Code	Analysis				
62887	31 / A4	Koenig Family Trust	N	Y	N	N	N	N	N	N	SE	SW	NW	28	29 N	6 E	Town of Stettin	10	204					
63488	28 / J7	Yanke, James	N	Y	N	N	N	N	N	N	NW	NW	NW	33	29 N	8 E	Town of Wausau	3.5	204	2002				
63489	28 / J9	Yanke, James	N	Y	N	N	N	N	N	N	N	NE	NW	33	29 N	8 E	Town of Wausau	20.6	204	2008				
63490	28 / K3W	King, Ervin	N	Y	N	N	N	N	N	N	W	S	NE	34	29 N	8 E	Town of Wausau	10	204	2002				
63491	28 / KEJ	King, Ervin	N	Y	N	N	N	N	N	N	W	NW	NW	35	29 N	8 E	Town of Wausau	10	204	2002				
63492	28 / KIE	King, Ervin	N	Y	N	N	N	N	N	N	NE	NW	NW	35	29 N	8 E	Town of Wausau	5	204	2002				
64977	17 / S2	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	S	N	NW	26	29 N	8 E	Town of Wausau	25	204	2015				
68756	32 / 1	Venski, Ruth	N	Y	N	N	N	N	N	N	N	SW	NW	23	29 N	6 E	Town of Stettin	5	204	2002				
70058	28 / 1B	Yanke, James	N	Y	N	N	N	N	N	N	SE	NW	NW	33	29 N	8 E	Town of Wausau	18	204	2006				
72636	33 / C	Williamson, Roy	N	Y	N	N	N	N	N	N	W	SE	NW	33	30 N	6 E	Town of Berlin	16	204					
72637	33 / D	Williamson, Roy	N	Y	N	N	N	N	N	N	W	NE	SW	33	30 N	6 E	Town of Berlin	11	204					
76836	29/WAX\	Wasmundt, Ernest	N	Y	N	N	N	N	N	N		S	SW	15	29 N	6 E	Town of Stettin	30	204	2015				
77680	29/WOX\	Wasmundt, Ernest	N	Y	N	N	N	N	N	N	N	SE	SW	15	29 N	6 E	Town of Stettin	18	204	2015				
78999	30 / 1S	Kunze, Doug	N	Y	N	N	N	N	N	N	S	SW	SW	11	29 N	8 E	Town of Wausau	9	204	2005				
79014	30 / 2	Kunze, Doug	N	Y	N	N	N	N	N	N	N	SW	SW	11	29 N	8 E	Town of Wausau	8	204	2005				
79015	30 / 4N	Kunze, Doug	N	Y	N	N	N	N	N	N	N	SW	SW	11	29 N	8 E	Town of Wausau	5	204	2005				
79213	1 / 3	Duginski, Ralph	N	Y	N	N	N	N	N	N	E	NE	NE	4	30 N	6 E	Town of Berlin	8	204	2008				
79819	17 / S12	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	N	NE	SW	26	29 N	8 E	Town of Wausau	10	204	2015				
79820	17 / S13	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	S	NE	SW	26	29 N	8 E	Town of Wausau	10	204	2005				
79821	17 / S14	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	S	NE	SW	26	29 N	8 E	Town of Wausau	7	204	2005				
80133	17 / G1	Gorski, Steven	N	Y	N	N	N	N	N	N	NE	NE	SE	27	29 N	8 E	Town of Wausau	3	204	2005				
80635	28 / KR4	Krenz, Ron	N	Y	N	N	N	N	N	N	N	NW	NE	3	28 N	8 E	Town of Weston	16	204	2005				
80636	28 / KR5	Krenz, Ron	N	Y	N	N	N	N	N	N	S	NW	NE	3	28 N	8 E	Town of Weston	20	204	2005				
80641	34 / F	Yanke, James	N	Y	N	N	N	N	N	N	S	SW	SE	28	29 N	8 E	Town of Wausau	9.8	204	2005				
80993	28 / BR5	Brandt, Paul	N	Y	N	N	N	N	N	N	SW	SW	SW	26	29 N	8 E	Town of Wausau	12	204	2005				
81022	29 / 20	Kage, Wilfred	N	Y	N	N	N	N	N	N	S	NW	NW	15	29 N	6 E	Town of Stettin	10	204	2005				
81393	7 / HOW	Howe, Dave	N	Y	N	N	N	N	N	N		NW	NE	22	29 N	8 E	Town of Wausau	40	204	2005				
81394	7 / SG	Gorski, Randal	N	Y	N	N	N	N	N	N		NW	SE	27	29 N	8 E	Town of Wausau	32	204	2015				
81395	7 / RG	Gorski, Randal	N	Y	N	N	N	N	N	N		NW	NW	34	29 N	8 E	Town of Wausau	33	204	2015				
82454	24 / 8	Kowalski, Don	N	Y	N	N	N	N	N	N		SW	SW	10	29 N	8 E	Town of Wausau	27.4	204	2005				
82577	30 / NE5	Kunze, Doug	N	Y	N	N	N	N	N	N	NW	SW	SE	11	29 N	8 E	Town of Wausau	3	204	2006				
82578	30 / NE6	Kunze, Doug	N	Y	N	N	N	N	N	N	NW	SE	SE	11	29 N	8 E	Town of Wausau	4	204	2006				
82579	30 / GIN	Kunze, Doug	N	Y	N	N	N	N	N	N	E	SW	SE	11	29 N	8 E	Town of Wausau	7	204	2006				
82917	29 / 1-S	Dehnel, Reuben	N	Y	N	N	N	N	N	N		SE	SE	17	29 N	6 E	Town of Stettin	12	214	2010				
83123	17 / B4	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	E	NE	NE	28	29 N	8 E	Town of Wausau	10	204	2014				

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WPDES Number or Septage License Number
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Site # / DNR # Field # Site Owner			Waste Types WPMSSP PM IS IW FP OT								Legal Description QQQ QQ Q Sec Twnshp Range Village/City/Town								Region - County		Apprvd Acres	Wisc Adm Code	Last Soil Analysis
83124	17 / B5	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	E	NE	NE	28	29 N	8 E	Town of Wausau	WC Marathon	10	204	2008		
83125	17 / B6	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	W	NE	NE	28	29 N	8 E	Town of Wausau	WC Marathon	7	204	2008		
83126	17 / B7	Breitenfeldt, Lorenz	N	Y	N	N	N	N	N	N	W	NE	NE	28	29 N	8 E	Town of Wausau	WC Marathon	15	204	2008		
84758	29 / 1A	Anker, Doug	N	Y	N	N	N	N	N	N	SE	SE	SW	9	29 N	6 E	Town of Stettin	WC Marathon	4	204	2006		
84759	29 / 2A	Anker, Doug	N	Y	N	N	N	N	N	N	SW	SE	SW	9	29 N	6 E	Town of Stettin	WC Marathon	4.5	204	2006		
85830	21 / ROS	Ross Farms	N	Y	N	N	N	N	N	N		N	NW	3	28 N	5 E	Town of Cassel	WC Marathon	48.2	214	2016		
86088	28 / KN	King, Ervin / Damrow, Darrin	N	Y	N	N	N	N	N	N		SW	SW	35	29 N	8 E	Town of Wausau	WC Marathon	24	204	2006		
86119	28 / 8	Damrow, Darrin	N	Y	N	N	N	N	N	N	W	NW	SE	33	29 N	8 E	Town of Wausau	WC Marathon	7.3	204	2009		
86120	28 / 9	Damrow, Darrin	N	Y	N	N	N	N	N	N	W	NW	SE	33	29 N	8 E	Town of Wausau	WC Marathon	7.8	204	2007		
86121	28 / 10	Damrow, Darrin	N	Y	N	N	N	N	N	N	E	NW	SE	33	29 N	8 E	Town of Wausau	WC Marathon	4.5	204	2007		
86126	29 / SWE	Schmidt, Tom	N	Y	N	N	N	N	N	N		NW	NW	25	29 N	6 E	Town of Wausau	WC Marathon	16	204	2006		
87470	30/NLINI	Kunze, Mike	N	Y	N	N	N	N	N	N	N	NW	SE	11	29 N	8 E	Town of Wausau	WC Marathon	6	204	2006		
89831	28 / 4W	Damrow, Darin	N	Y	N	N	N	N	N	N	W	NW	NE	33	29 N	8 E	Town of Wausau	WC Marathon	14.8	204	2008		
89832	28 / J3	Janke, James	N	Y	N	N	N	N	N	N	SW	SW	NW	33	29 N	8 E	Town of Wausau	WC Marathon	4.1	204			
89833	28 / J4	Janke, James	N	Y	N	N	N	N	N	N		SW	NW	33	29 N	8 E	Town of Wausau	WC Marathon	4.2	204			
89834	28 / J5	Janke, James	N	Y	N	N	N	N	N	N	SE	SW	NW	33	29 N	8 E	Town of Wausau	WC Marathon	6.8	204			
89836	30 / HN	Kunze, Mike	N	Y	N	N	N	N	N	N	N	NW	SE	11	29 N	8 E	Town of Wausau	WC Marathon	12	204	2007		
90169	28 / NK	Kowalski, Norlan	N	Y	N	N	N	N	N	N	W	NE	SW	34	29 N	8 E	Town of Wausau	WC Marathon	15	204	2015		
90651	28 / S2	Schlund	N	Y	N	N	N	N	N	N		SE	SW	17	29 N	8 E	Town of Wausau	WC Marathon	34	204	2008		
92680	28 / H7	Damrow, Darrin	N	Y	N	N	N	N	N	N	E	W	NE	33	29 N	8 E	Town of Wausau	WC Marathon	12	204	2009		
96319	B / 4	Damrow, William	N	Y	N	N	N	N	N	N		SW	NW	33	29 N	8 E	Town of Wausau	WC Marathon	8	204	2019		
96320	B / 5	Damrow, William	N	Y	N	N	N	N	N	N		SW	NW	33	29 N	8 E	Town of Wausau	WC Marathon	7.5	204	2010		
96321	B / 6	Damrow, William	N	Y	N	N	N	N	N	N		SW	NW	33	29 N	8 E	Town of Wausau	WC Marathon	7	204	2014		
96322	B / 7	Damrow, William	N	Y	N	N	N	N	N	N		SW	NW	33	29 N	8 E	Town of Wausau	WC Marathon	6	204	2014		
96323	B / 8	Damrow, William	N	Y	N	N	N	N	N	N		SW	NW	33	29 N	8 E	Town of Wausau	WC Marathon	7	204	2019		
96890	1 / FEN	Fenhause, Elroy	N	Y	N	N	N	N	N	N		SW	SW	14	29 N	8 E	Town of Wausau	WC Marathon	38	204	2009		
96892	M / 7	Meyer, Larry & Ann	N	Y	N	N	N	N	N	N		SE	SW	15	29 N	8 E	Town of Wausau	WC Marathon	57	204	2015		
97026	28 / 5	Damroq, Darrin	N	Y	N	N	N	N	N	N		SW	NE	33	29 N	8 E	Town of Wausau	WC Marathon	9	204	2010		
98694	Z / 3	Ostrowski, Paul	N	Y	N	N	N	N	N	N		SE	SW	20	28 N	9 E	Town of Ringle	WC Marathon	6	204	2010		
98695	Z / 4	Zilisch, Jeff	N	Y	N	N	N	N	N	N		NE	SE	19	28 N	9 E	Town of Ringle	WC Marathon	8	204	2010		
98696	Z / 5	Zilisch, Jeff	N	Y	N	N	N	N	N	N		NE	SE	19	28 N	9 E	Town of Ringle	WC Marathon	6	204	2010		
98697	Z / 6	Zilisch, Jeff	N	Y	N	N	N	N	N	N		NE	SE	19	28 N	9 E	Town of Ringle	WC Marathon	6	204	2010		
98698	Z / 1	Zilisch, Jarrod	N	Y	N	N	N	N	N	N		SW	NE	19	28 N	9 E	Town of Ringle	WC Marathon	5	204	2018		
98699	Z / 2	Zilisch, Jarrod	N	Y	N	N	N	N	N	N		SW	NE	19	28 N	9 E	Town of Ringle	WC Marathon	12	204	2018		
98700	Z / 7	Zilisch, Jarrod	N	Y	N	N	N	N	N	N		NW	SE	35	29 N	8 E	Town of Wausau	WC Marathon	12	204	2015		

Approved Sites *All Sites*

Permittee/Licensee WAUSAU WATER WORKS WW TREATMENT FACILITY	WPDES Number or Septage License Number 0025739	FID Number 737008690
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Site # / DNR # Field # Site Owner			Waste Types WPMSSP PM IS IW FP OT							Legal Description QQQ QQ Q Sec Twnshp Range Village/City/Town							Region - County		Apprvd Acres	Wisc Adm Code	Last Soil Analysis		
98701	Z / 8	Zilisch, Jarrod	N	Y	N	N	N	N	N		NW	SE	35	29	N	8	E	Town of Wausau	WC	Marathon	2	204	2008
98702	Z / 9	Zilisch, Jarrod	N	Y	N	N	N	N	N		NW	SE	35	29	N	8	E	Town of Wausau	WC	Marathon	2	204	2015
103089	K / 2	Kowalski, Norlan	N	Y	N	N	N	N	N		SE	NW	34	29	N	8	E	Town of Wausau	WC	Marathon	17	204	2019
103090	28 / K4	Kowalski, Norlan	N	Y	N	N	N	N	N	NE	NE	SW	34	29	N	8	E	Town of Wausau	WC	Marathon	8	204	2019
104290	28 / 4E	Damrow, Darrin	N	Y	N	N	N	N	N		NW	NE	33	29	N	8	E	Town of Wausau	WC	Marathon	7.1	204	2012
105379	JP / 1	Petrowski, Jerry	N	Y	N	N	N	N	N		W	NE	28	29	N	6	E	Town of Stettin	WC	Marathon	20.7	204	2012
105381	JP / 2	Petrowski, Jerry	N	Y	N	N	N	N	N		E	NE	28	29	N	6	E	Town of Stettin	WC	Marathon	18.7	204	2012
105382	JP / 3	Petrowski, Jerry	N	Y	N	N	N	N	N		E	NE	28	29	N	6	E	Town of Stettin	WC	Marathon	7.1	204	2012
105468	36 THOU	Thout, Mark	N	N	N	N	N	N	N		NW	NW	35	20	N	6	E	Town of Easton	WC	Marathon	4.8	204	2014
105471	29DEHN	Brochardt, Bruce	N	Y	N	N	N	N	N		SE	SW	16	29	N	6	E	Town of Stettin	WC	Marathon	1.4	204	2014
105474	29DEHN	Brochardt, Bruce	N	Y	N	N	N	N	N		SE	SW	16	29	N	6	E	Town of Stettin	WC	Marathon	1.6	204	2014
105475	29DEHN	Krautkraner, Peter	N	Y	N	N	N	N	N		SE	SW	16	29	N	6	E	Town of Stettin	WC	Marathon	2.2	204	2014
105476	29DEHN	Krautkraner, Peter	N	Y	N	N	N	N	N		SE	SW	16	29	N	6	E	Town of Stettin	WC	Marathon	3.6	204	2014
106090	39 / 1	Thurs, Randy & Sandra	N	Y	N	N	N	N	N		SE	SE	23	30	N	5	E	Town of Hamburg	WC	Marathon	13.5	204	2014
106091	39 / 7	Plisch, Clarence & Judy	N	Y	N	N	N	N	N		W	NW	15	30	N	5	E	Town of Hamburg	WC	Marathon	28.5	204	2014
106092	39 / N	Thurs, Wilmer & Alladine	N	Y	N	N	N	N	N		NW	NE	24	30	N	5	E	Town of Hamburg	WC	Marathon	18.1	204	2014
106157	Z / 21	Maki Investments	N	Y	N	N	N	N	N		NE	SE	13	28	N	8	E	Town of Weston	WC	Marathon	4.3	204	2014
106158	Z / 22	Maki Investments	N	Y	N	N	N	N	N		NE	SE	13	28	N	8	E	Town of Weston	WC	Marathon	9.4	204	2014
106373	AO / 2	Napierala, Terry & Donna	N	Y	N	N	N	N	N		SW	NW	28	29	N	5	E	Town of Rib Falls	WC	Marathon	7.7	204	2012
106374	AO / 3	Napierala, Terry & Donna	N	Y	N	N	N	N	N		SW	NW	28	29	N	5	E	Town of Rib Falls	WC	Marathon	9.4	204	2012
106375	AO / 4	Napierala, Terry & Donna	N	Y	N	N	N	N	N		SW	NW	28	29	N	5	E	Town of Rib Falls	WC	Marathon	7.7	204	2012
106376	AO / 5	Napierala, Terry & Donna	N	Y	N	N	N	N	N		SW	NW	28	29	N	5	E	Town of Rib Falls	WC	Marathon	8.1	204	2012
106377	NO / 1	Ross, Roger	N	Y	N	N	N	N	N	NE	SE	NE	29	29	N	5	E	Town of Rib Falls	WC	Marathon	3.6	204	2018
106378	NO / 2	Ross, Roger	N	Y	N	N	N	N	N	W	SE	NE	29	29	N	5	E	Town of Rib Falls	WC	Marathon	11.6	204	2018
107117	38 / 1	Weber, Aaron	N	Y	N	N	N	N	N	SE	SE	NW	13	29	N	5	E	Town of Rib Falls	WC	Marathon	2.7	204	
107118	38 / 2	Weber, Aaron	N	Y	N	N	N	N	N	NE	NE	NW	13	29	N	5	E	Town of Rib Falls	WC	Marathon	3.1	204	
107119	38 / 10	Weber, Aaron	N	Y	N	N	N	N	N	W	E	NW	13	29	N	5	E	Town of Rib Falls	WC	Marathon	30.1	204	
107121	38 / 3	Weber, Aaron	N	Y	N	N	N	N	N	S	SE	SW	12	29	N	5	E	Town of Rib Falls	WC	Marathon	18	204	
107122	38 / 4	Weber, Aaron	N	Y	N	N	N	N	N	N	SE	SW	12	29	N	5	E	Town of Rib Falls	WC	Marathon	14.3	204	
107123	38 / 5A	Weber, Aaron	N	Y	N	N	N	N	N	W	NW	SW	12	29	N	5	E	Town of Rib Falls	WC	Marathon	25.5	204	
107156	38 / 6A	Weber, Aaron	N	Y	N	N	N	N	N	W	NW	SW	12	29	N	5	E	Town of Rib Falls	WC	Marathon	12	204	
107157	38 / 6B	Weber, Aaron	N	Y	N	N	N	N	N	NE	SW	SW	12	29	N	5	E	Town of Rib Falls	WC	Marathon	10.7	204	
107158	38 / 7A	Weber, Aaron	N	Y	N	N	N	N	N	SW	SW	SW	12	29	N	5	E	Town of Rib Falls	WC	Marathon	3.9	204	
107159	38 / 7B	Weber, Aaron	N	Y	N	N	N	N	N	SW	SW	SW	12	29	N	5	E	Town of Rib Falls	WC	Marathon	1.1	204	
107407	40 / 1	Miller, Ben & David	N	Y	N	N	N	N	N		W	NE	10	27	N	9	E	Town of Reid	WC	Marathon	20.8	204	2014

Approved Sites *All Sites*

Permittee/Licensee WAUSAU WATER WORKS WW TREATMENT FACILITY	WPDES Number or Septage License Number 0025739	FID Number 737008690
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Site # / DNR # Field # Site Owner			Waste Types WPMS SP PM IS IW FP OT							Legal Description QQQ QQ Q Sec Twnshp Range Village/City/Town							Region - County		Apprvd Acres	Wisc Adm Code	Last Soil Analysis	
107705	41 / W	Pliske, Joyce	N	Y	N	N	N	N	N	N	NW	NW	NW	35	28 N	8 E	Town of Weston	WC	Marathon	7.1	204	2013
107706	41 / E	Pliske, Joyce	N	Y	N	N	N	N	N	N	NE	NW	NW	35	28 N	8 E	Town of Weston	WC	Marathon	5.5	204	2013
107981	43 / FW	Niemann, Melvin & Sharon	N	Y	N	N	N	N	N	N	W	W	W	21	29 N	4 E	Town of Rietbrock	WC	Marathon	31.6	204	
107982	43 / FE	Niemann, Melvin & Sharon	N	Y	N	N	N	N	N	N	E	W	W	21	29 N	4 E	Town of Rietbrock	WC	Marathon	37.8	204	
108119	42 / 1	Larson, Genevieve	N	Y	N	N	N	N	N	N		N	NE	2	28 N	4 E	Town of Wien	WC	Marathon	27	204	2015
108120	42 / 2	Larson, Genevieve	N	Y	N	N	N	N	N	N		N	NW	2	28 N	4 E	Town of Wien	WC	Marathon	27	204	2015
109394	13 / 2B	Gruling, Dave	N	Y	N	N	N	N	N	N	E	E	SW	36	29 N	8 E	Town of Wausau	WC	Marathon	5	204	2019
109510	39 / 2	Thurs, Randy	N	Y	N	N	N	N	N	N	N	SE	NW	23	30 N	5 E	Town of Hamburg	WC	Marathon	9.8	204	
109511	39 / 8	Thurs, Randy	N	Y	N	N	N	N	N	N	S	SW	SE	23	30 N	5 E	Town of Hamburg	WC	Marathon	15.4	204	
109716	43 / 1A	Larson, Harry	N	Y	N	N	N	N	N	N	NW	NW	SE	2	28 N	4 E	Town of Wien	WC	Marathon	6.7	204	
109717	43 / 3	Larson, Harry	N	Y	N	N	N	N	N	N		N	SW	2	28 N	4 E	Town of Wien	WC	Marathon	11.7	204	2016
109718	43 / 4	Larson, Harry	N	Y	N	N	N	N	N	N		N	SW	2	28 N	4 E	Town of Wien	WC	Marathon	19.3	204	2015
109745	7 / 462	Fenhause, Elroy	N	Y	N	N	N	N	N	N		NW	SW	13	29 N	8 E	Town of Wausau	WC	Marathon	5	204	
109746	7 / 463	Fenhause, Elroy	N	Y	N	N	N	N	N	N		NW	SW	13	29 N	8 E	Town of Wausau	WC	Marathon	6.2	204	
109970	44 / E14	Soczka, Darrel	N	Y	N	N	N	N	N	N	W	NW	NE	3	27 N	5 E	Town of Emmet	WC	Marathon	9	204	2016
109971	44 / S12	Soczka, Darrel	N	Y	N	N	N	N	N	N	S	SW	NW	10	27 N	5 E	Town of Emmet	WC	Marathon	10.8	204	2016
110458	40 / TIM	Engman, Timothy	N	Y	N	N	N	N	N	N	W	SW	SW	6	27 N	9 E	Town of Reid	WC	Marathon	6.1	204	2016
110688	7 / M4	Meyer, Larry & Ann	N	Y	N	N	N	N	N	N	N	SE	SE	15	29 N	8 E	Town of Wausau	WC	Marathon	12.5	204	
110689	7 / M6	Meyer, Larry & Ann	N	Y	N	N	N	N	N	N	SW	SE	SE	15	29 N	8 E	Town of Wausau	WC	Marathon	1.8	204	
110690	7 / F1	Fenhause, Elroy	N	Y	N	N	N	N	N	N	S	NW	SW	13	29 N	8 E	Town of Wausau	WC	Marathon	4.2	204	2015
110691	7 / F3	Fenhause, Elroy	N	Y	N	N	N	N	N	N	E	SW	SW	13	29 N	8 E	Town of Wausau	WC	Marathon	5.2	204	2015
110692	7 / F4A	Fenhause, Elroy	N	Y	N	N	N	N	N	N	E	SW	SW	13	29 N	8 E	Town of Wausau	WC	Marathon	5.6	204	2015
110693	7 / F4B	Fenhause, Elroy	N	Y	N	N	N	N	N	N	NW	SW	SW	13	29 N	8 E	Town of Wausau	WC	Marathon	3.6	204	2015
110694	7 / F5	Fenhause, Elroy	N	Y	N	N	N	N	N	N	NW	SW	SW	13	29 N	8 E	Town of Wausau	WC	Marathon	3.9	204	2015
113046	07-03 / 01	Krueger, Marlo	N	Y	N	N	N	N	N	N		NE	SW	16	29 N	6 E	Town of Stettin	WC	Marathon	11.4	204	2016
113048	0101 / C	Dehnel, Reuben	N	Y	N	N	N	N	N	N		NE	SW	15	29 N	6 E	Town of Stettin	WC	Marathon	5	204	2016
113051	0101 / B	Dehnel, Reuben	N	Y	N	N	N	N	N	N		NE	SW	15	29 N	6 E	Town of Stettin	WC	Marathon	3.3	204	2016
115477	47 / 1	Soczka, Steve	N	Y	N	N	N	N	N	N		SW	SW	34	28 N	5 E	Town of Cassel	WC	Marathon	7.1	204	2019
115478	47 / 2	Soczka, Steve	N	Y	N	N	N	N	N	N		SW	SW	34	28 N	5 E	Town of Cassel	WC	Marathon	10.5	204	2019
115479	47 / 3	Soczka, Steve	N	Y	N	N	N	N	N	N		SW	SW	34	28 N	5 E	Town of Cassel	WC	Marathon	24.8	204	2019
115480	47 / 4	Soczka, Steve	N	Y	N	N	N	N	N	N		SE	SW	34	28 N	5 E	Town of Cassel	WC	Marathon	2.9	204	2019
115481	47 / 5A	Soczka, Steve	N	Y	N	N	N	N	N	N		SE	SW	34	28 N	5 E	Town of Cassel	WC	Marathon	3.3	204	2019
115482	47 / 5B	Soczka, Steve	N	Y	N	N	N	N	N	N		SE	SW	34	28 N	5 E	Town of Cassel	WC	Marathon	7.4	204	2019
115687	20 / 0	Hanke, Orville & Darlene	N	Y	N	N	N	N	N	N		E	SE	25	29 N	5 E	Town of Rib Falls	WC	Marathon	23.6	204	2017
115688	200 / 1	Hanke, Orville & Darlene	N	Y	N	N	N	N	N	N		E	SE	25	29 N	5 E	Town of Rib Falls	WC	Marathon	5	204	2017

Approved Sites *All Sites*

Permittee/Licensee
WAUSAU WATER WORKS WW TREATMENT FACILITY

WPDES Number or Septage License Number
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FID Number
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Site # / DNR # Field # Site Owner			Waste Types WPMSSP PM IS IW FP OT							Legal Description QQQ QQ Q Sec Twnshp Range Village/City/Town							Region - County		Apprvd Acres	Wisc Adm Code	Last Soil Analysis
115689	20 / 4	Hanke, Orville & Darlene	N	Y	N	N	N	N	N		W	SW	30	29 N	6 E	Town of Stettin	WC Marathon	32.8	204	2017	
116050	49 / BF	Twin B Dairy LLC	N	Y	N	N	N	N	N		SE	NE	10	27 N	5 E	Town of Emmet	WC Marathon	31.5	204	2019	
116051	49 / T80	Twin B Dairy LLC	N	Y	N	N	N	N	N		NW	SW	3	27 N	5 E	Town of Emmet	WC Marathon	40.1	204	2019	
116052	49 / HF	Loyd,Floyd Baumann	N	Y	N	N	N	N	N		E	NE	10	27 N	5 E	Town of Emmet	WC Marathon	45.8	204	2019	
116209	QR / 01	Ringle, Quinten	N	Y	N	N	N	N	N		SE	SW	28	29 N	5 E	Town of Rib Falls	WC Marathon	8.5	204	2016	
116210	QR / 03	Ringle, Quinten	N	Y	N	N	N	N	N		NE	SW	28	29 N	5 E	Town of Rib Falls	WC Marathon	8.6	204	2016	
116211	BEH / 01	Ross, Roger	N	Y	N	N	N	N	N		NW	NE	29	29 N	5 E	Town of Rib Falls	WC Marathon	6.6	204	2016	
116212	BEH / 02	Ross, Roger	N	Y	N	N	N	N	N		NW	NE	29	29 N	5 E	Town of Rib Falls	WC Marathon	8.8	204	2016	
116265	FISHER /	Ross, Roger	N	Y	N	N	N	N	N		SW	SE	33	29 N	5 E	Town of Rib Falls	WC Marathon	2.7	204	2016	
116266	FISHER /	Ross, Roger	N	Y	N	N	N	N	N		SE	SE	33	29 N	5 E	Town of Rib Falls	WC Marathon	9.2	204	2016	
116267	FISHER /	Ross, Roger	N	Y	N	N	N	N	N		SE	SE	33	29 N	5 E	Town of Rib Falls	WC Marathon	22.8	204	2016	
116268	FISHER /	Ross, Roger	N	Y	N	N	N	N	N		SW	SE	33	29 N	5 E	Town of Rib Falls	WC Marathon	10.5	204	2016	
116269	FISHER /	Ross, Roger	N	Y	N	N	N	N	N		SW	SE	33	29 N	5 E	Town of Rib Falls	WC Marathon	10.7	204	2016	
116273	ZIE / 01	Ross, Roger	N	Y	N	N	N	N	N		E	NE	32	29 N	5 E	Village of Edgar	WC Marathon	52.1	204	2016	
116274	GUR / 01	Ross, Roger	N	Y	N	N	N	N	N		E	NW	33	29 N	5 E	Village of Edgar	WC Marathon	46.6	204	2016	
116275	BAE / 02	Ross, Roger	N	Y	N	N	N	N	N		NW	NW	28	29 N	5 E	Village of Edgar	WC Marathon	4.8	204	2018	
116276	BAE / 07	Ross, Roger	N	Y	N	N	N	N	N		N	NW	28	29 N	5 E	Village of Edgar	WC Marathon	10.7	204	2017	
116439	BEH / 05	Ross, Roger	N	Y	N	N	N	N	N	E	SW	NE	29	29 N	5 E	Town of Rib Falls	WC Marathon	2.8	204	2016	

Arsenic Dry Wt

Time Frame

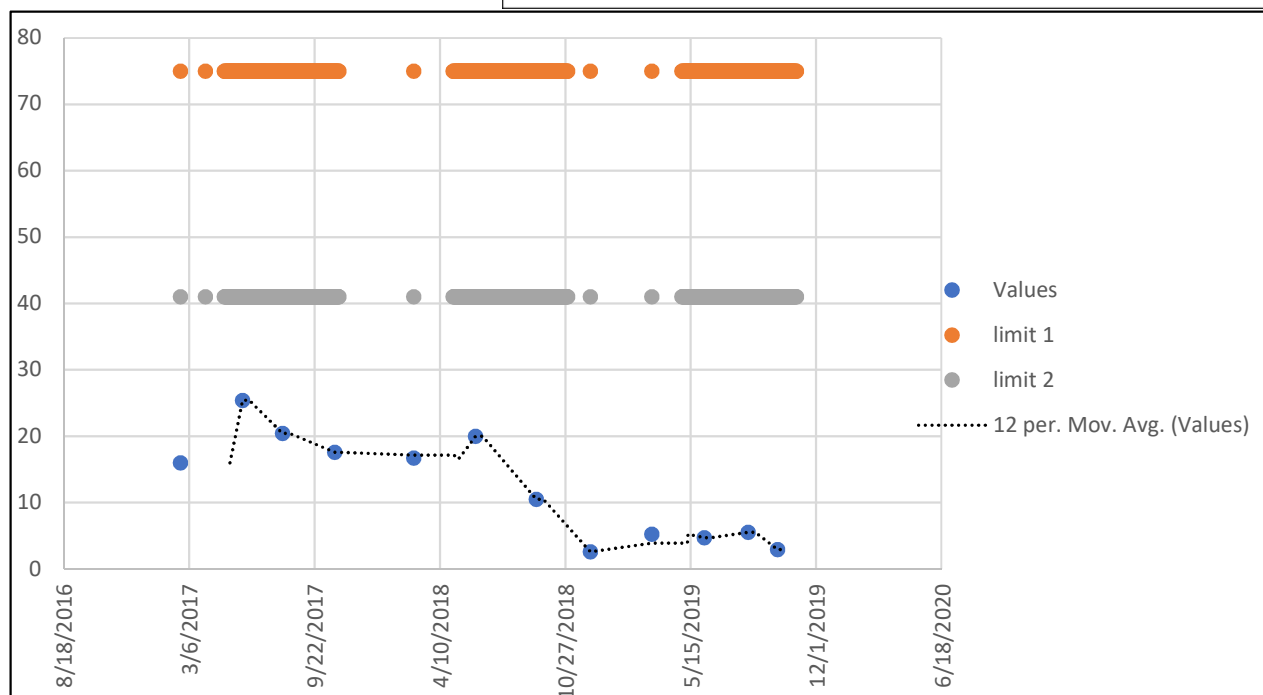
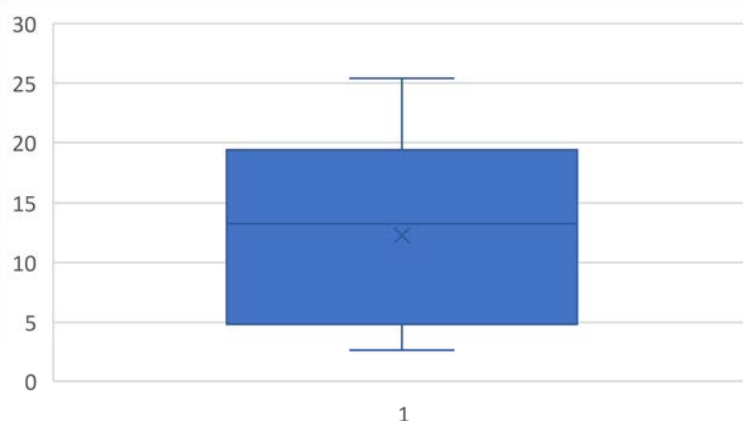
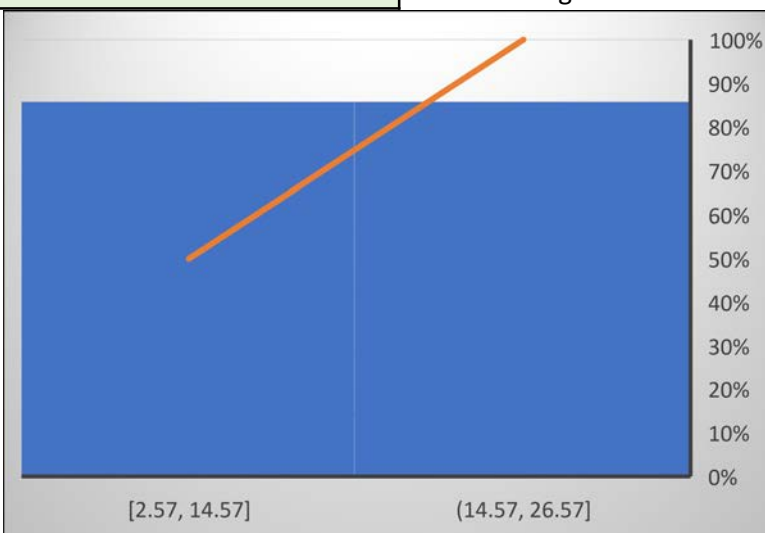
Jan 2017-Feb 2020

Wausau-sludge

Stats

Average	12.29417
Standard Dev.	7.962626
CV	0.647675
Count	12
Max Value	25.4
Min Value	2.57
first quartile	2.57
Second Quartile	5.0925
Median	13.25
Third Quartile	18.2
Max Value	25.4
30 day p99	16.06
4 day P99	24.39
1 day P99	40.90
Correlation	-0.86859

Notes:



Cadmium Dry Wt

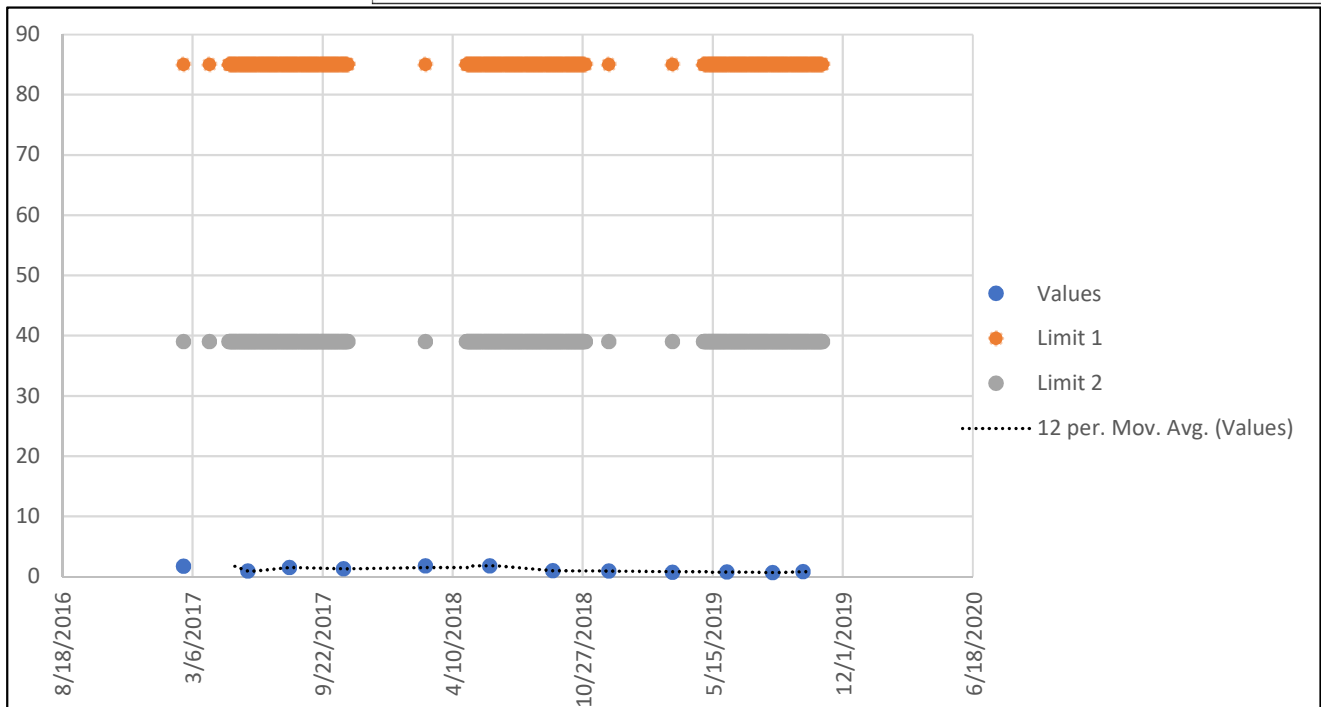
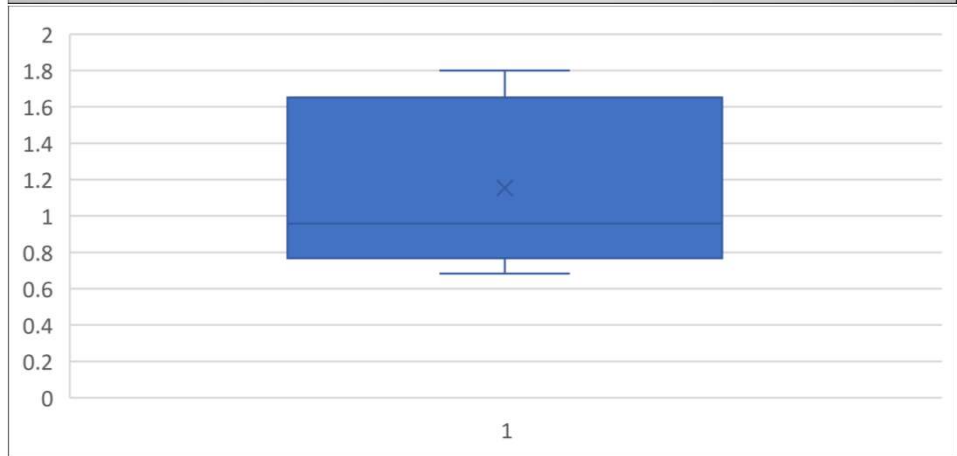
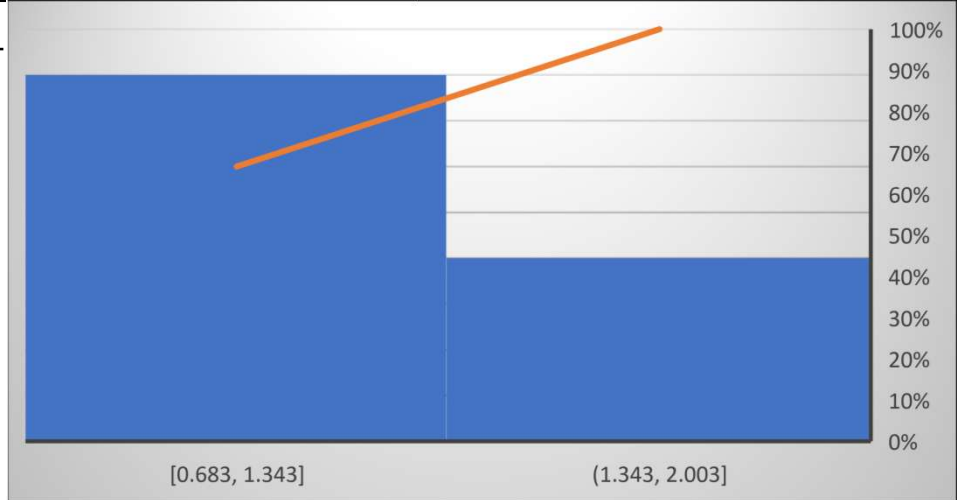
Time Frame
Jan 2017-Feb 2020

Wausau-sludge

Stats

Average	1.153583
Standard Dev.	0.433705
CV	0.375963
Count	12
Max Value	1.8
Min Value	0.683
first quartile	0.683
Second Quartile	0.78775
Median	0.958
Third Quartile	1.5575
Max Value	1.8
est.30 day p99	1.35
est.4 day P99	1.75
est.1 day P99	2.52
Correlation	-0.68065

Notes:



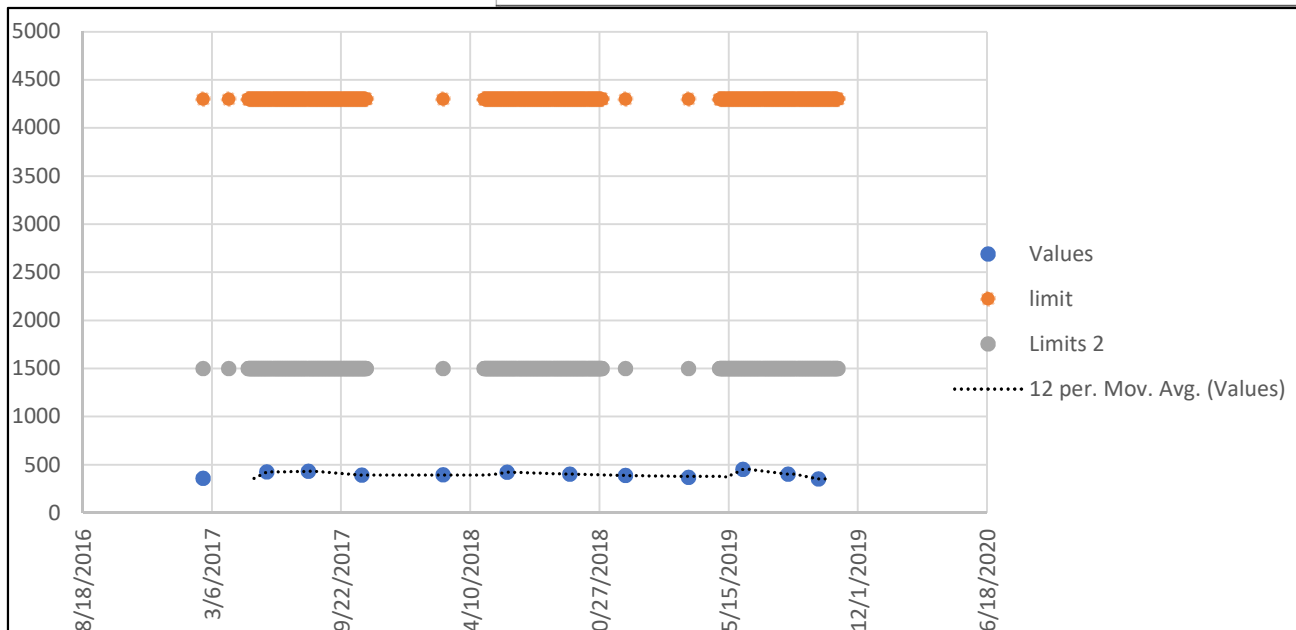
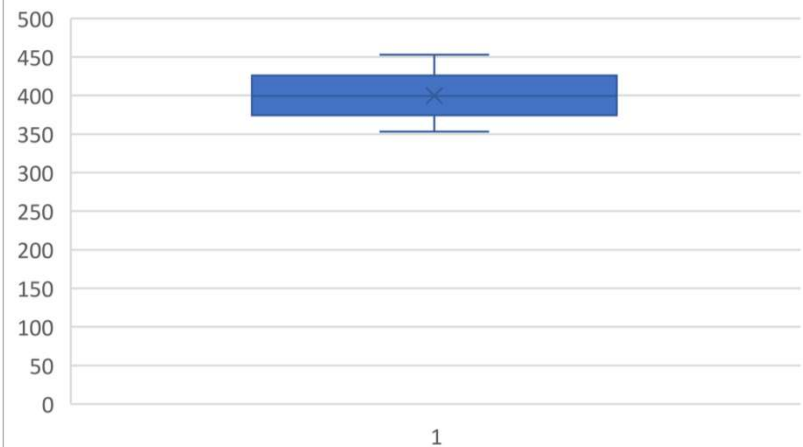
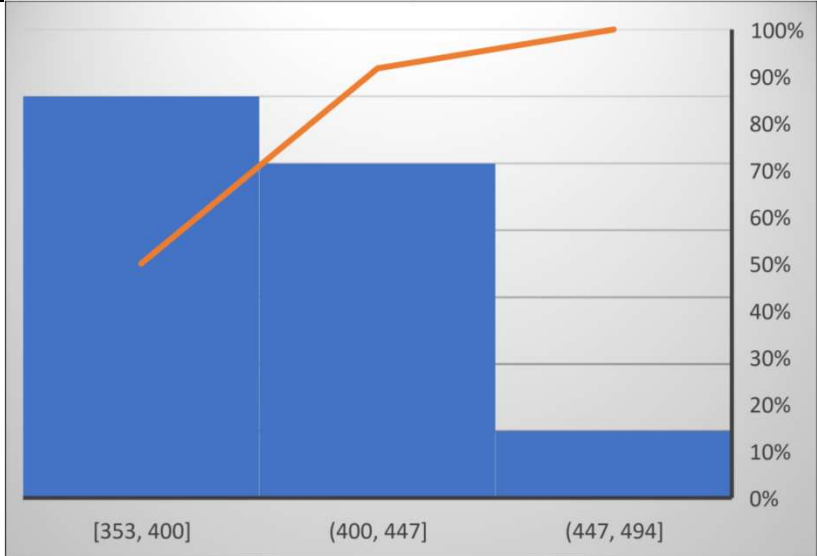
Copper Dry Wt

Time Frame
Jan 2017-Feb 2020
Wausau-sludge

Stats

Average	399.8333
Standard Dev.	30.49242
CV	0.076263
Count	12
Max Value	453
Min Value	353
first quartile	353
Second Quartile	384.75
Median	399.5
Third Quartile	424
Max Value	453
30 day p99	412.96
4 day P99	436.60
1 day P99	475.96
Correlation	-0.09485

Notes:



Lead Dry Wt

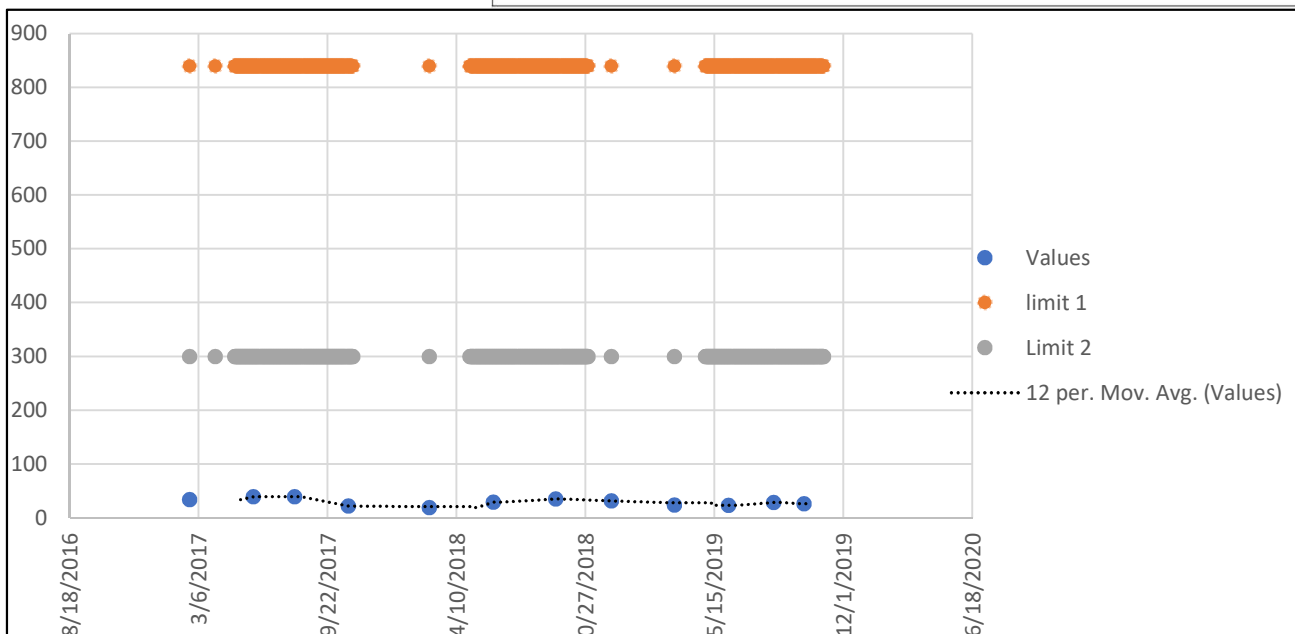
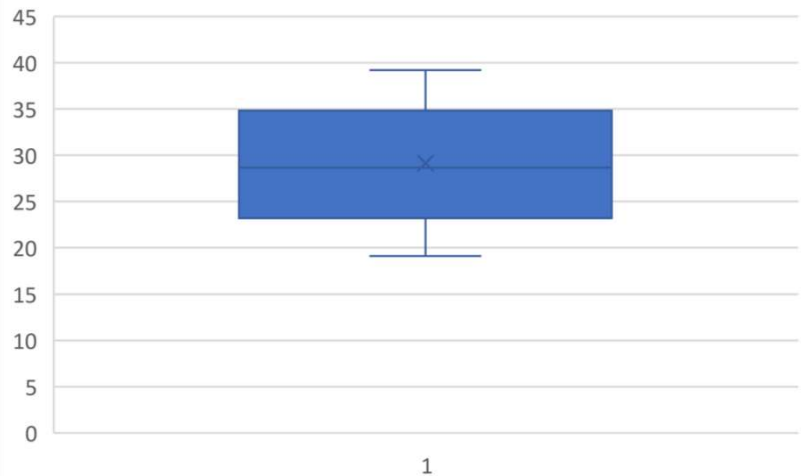
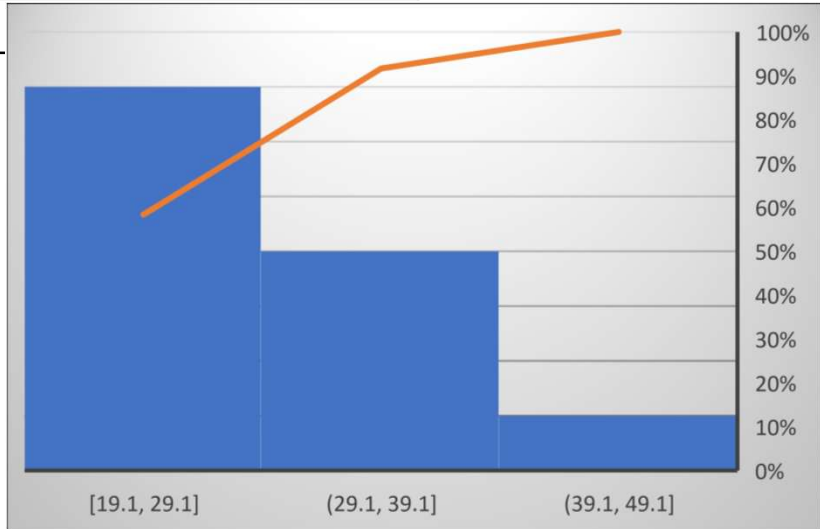
Time Frame
Jan 2017-Feb 2020

Wausau-sludge

Stats

Average	29.15
Standard Dev.	6.680841
CV	0.229188
Count	12
Max Value	39.2
Min Value	19.1
first quartile	19.1
Second Quartile	23.6
Median	28.65
Third Quartile	34.275
Max Value	39.2
30 day p99	32.10
4 day P99	37.78
1 day P99	48.10
Correlation	-0.45386

Notes:



Mercury Dry Wt

Time Frame

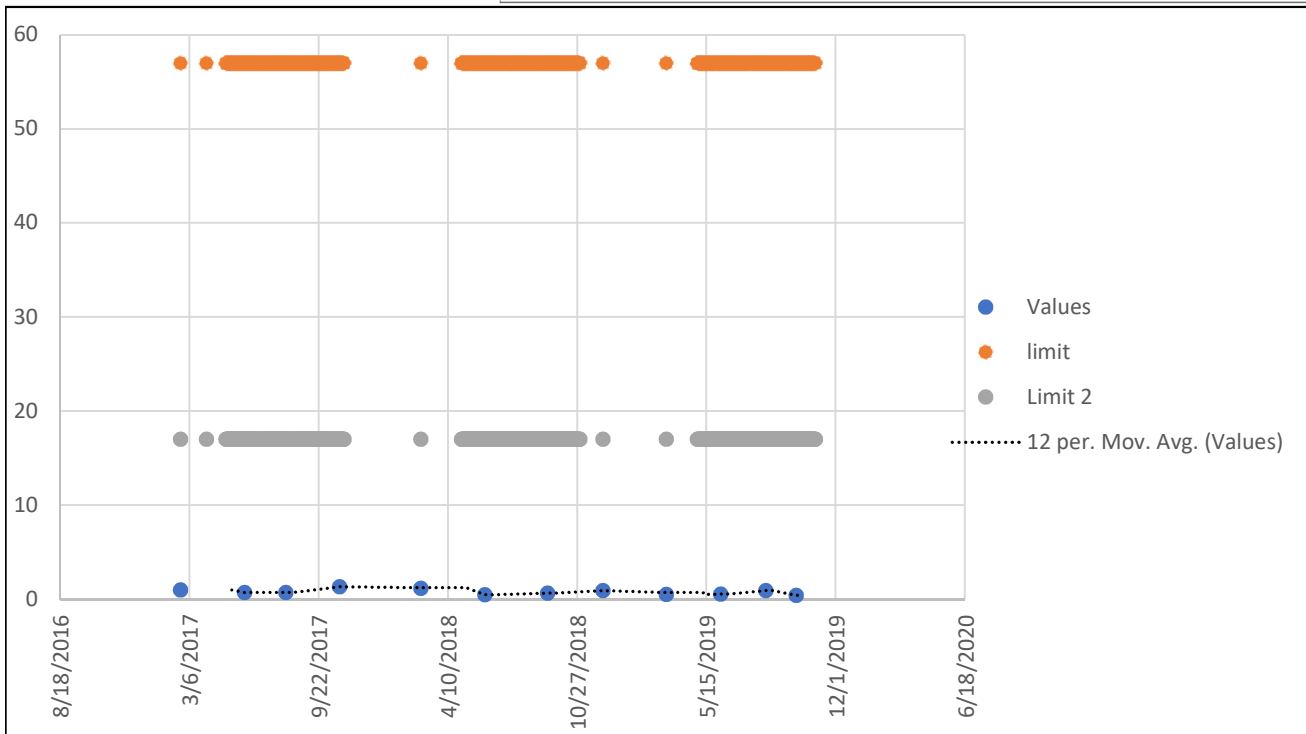
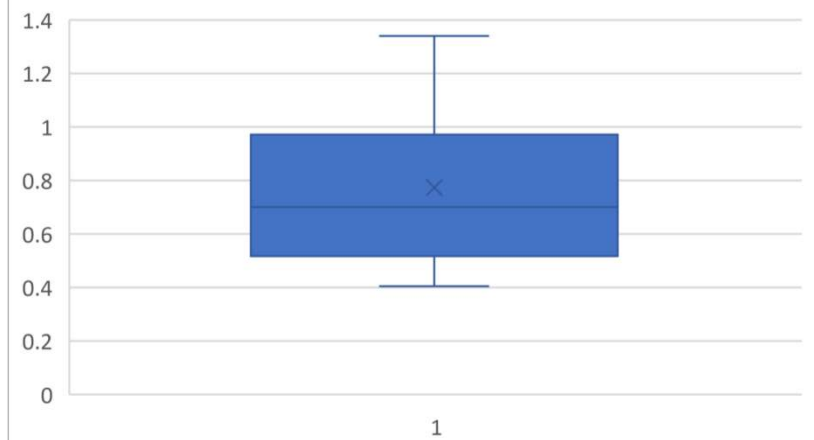
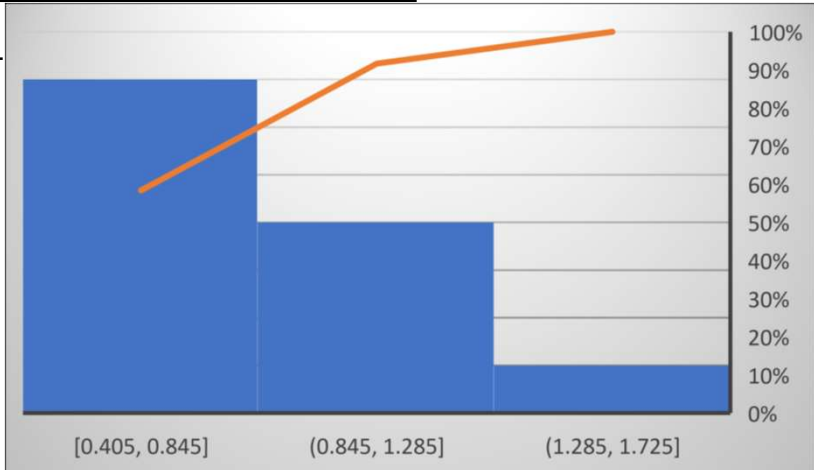
Jan 2017-Feb 2020

Wausau-sludge

Stats

Average	0.77375
Standard Dev.	0.286766
CV	0.370618
Count	12
Max Value	1.34
Min Value	0.405
first quartile	0.405
Second Quartile	0.53325
Median	0.701
Third Quartile	0.93375
Max Value	1.34
30 day p99	0.90
4 day P99	1.17
1 day P99	1.67
Correlation	-0.46417

Notes:



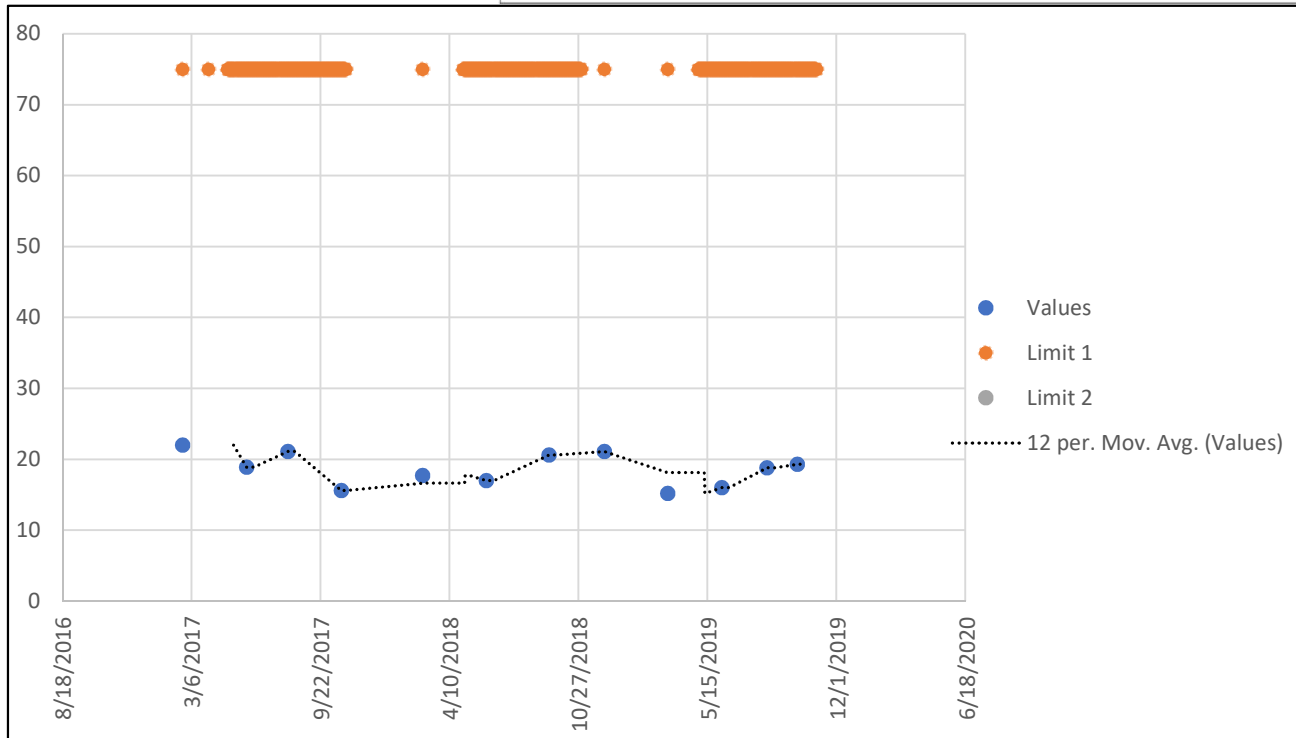
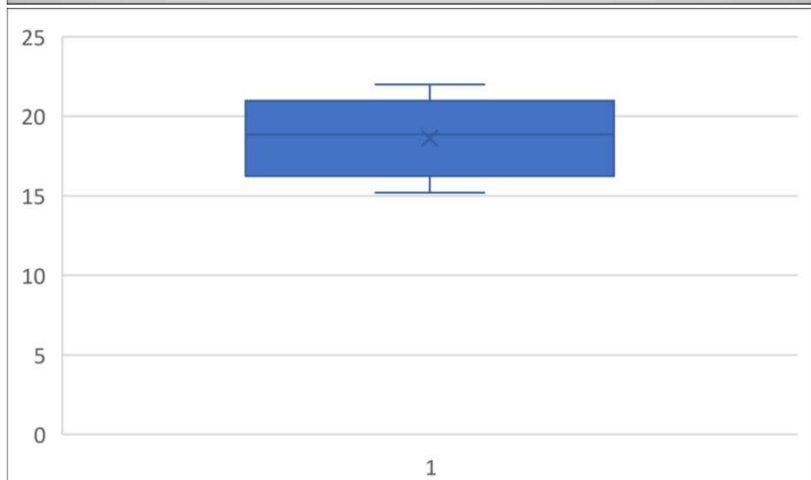
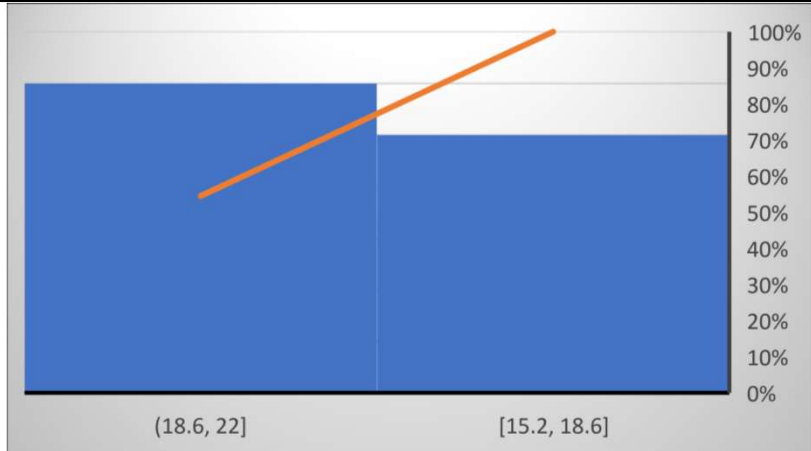
Molybdenum Dry Wt

Time Frame
Jan 2017-Feb 2020
Wausau-sludge

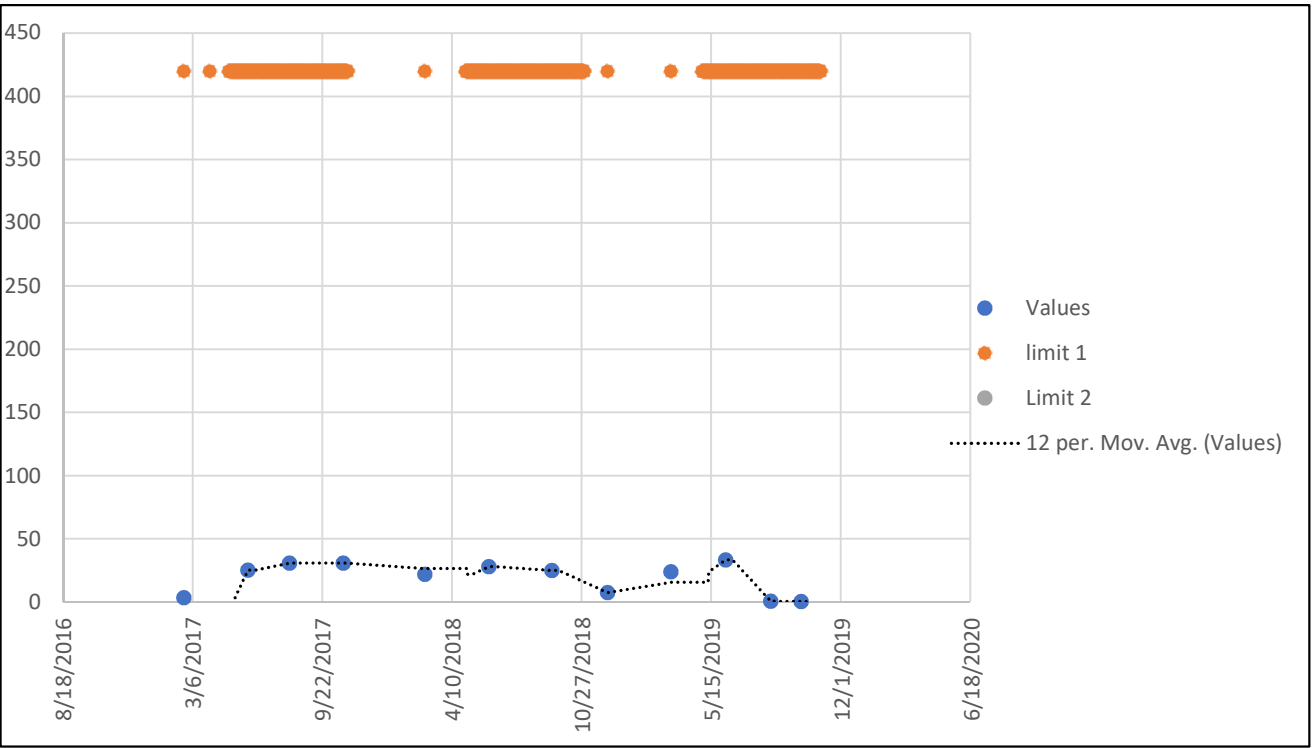
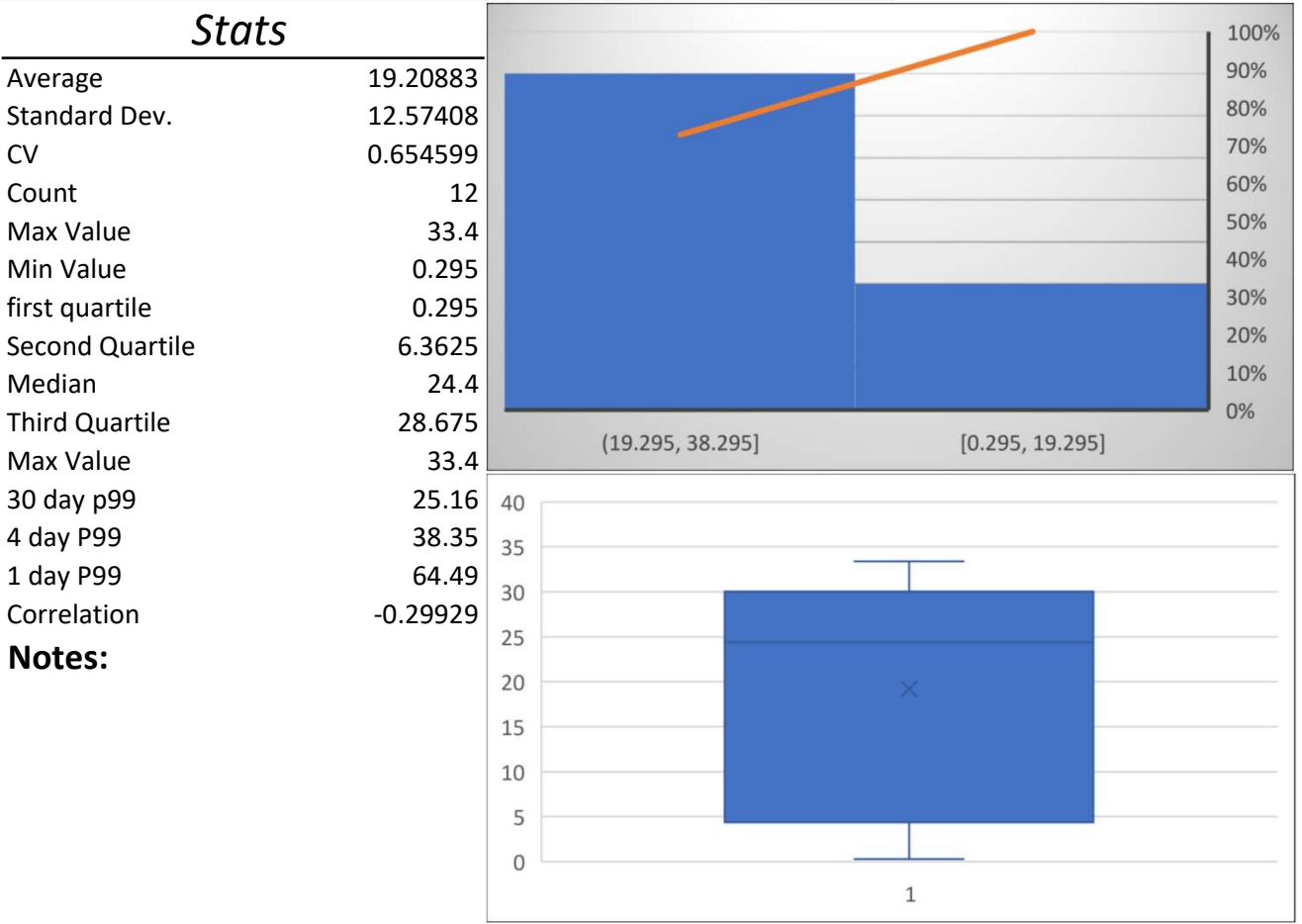
Stats

Average	18.60833
Standard Dev.	2.323187
CV	0.124847
Count	12
Max Value	22
Min Value	15.2
first quartile	15.2
Second Quartile	16.75
Median	18.85
Third Quartile	20.725
Max Value	22
30 day p99	19.62
4 day P99	21.47
1 day P99	24.66
Correlation	-0.30461

Notes:



Nickel Dry Wt	Time Frame
	Jan 2017-Feb 2020
	Wausau-sludge



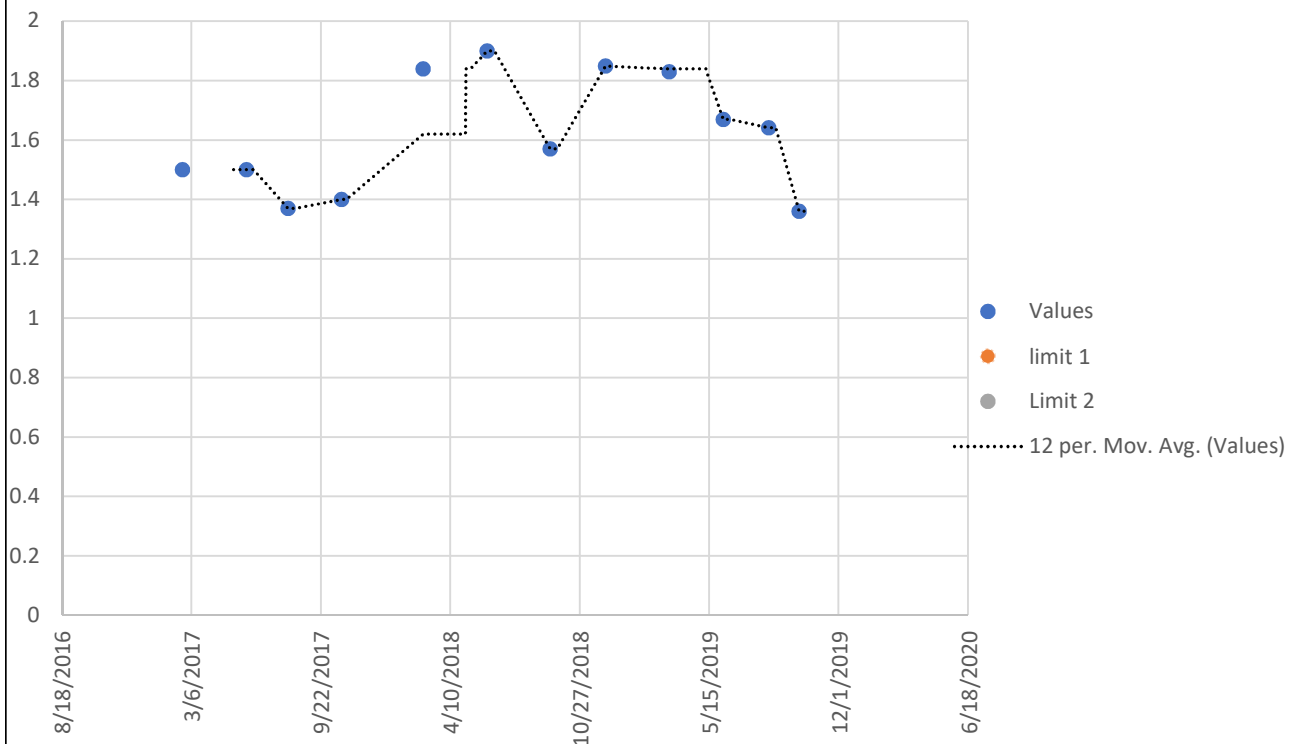
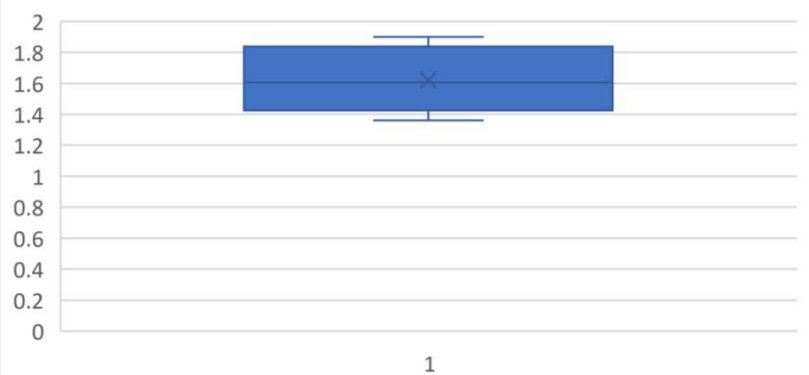
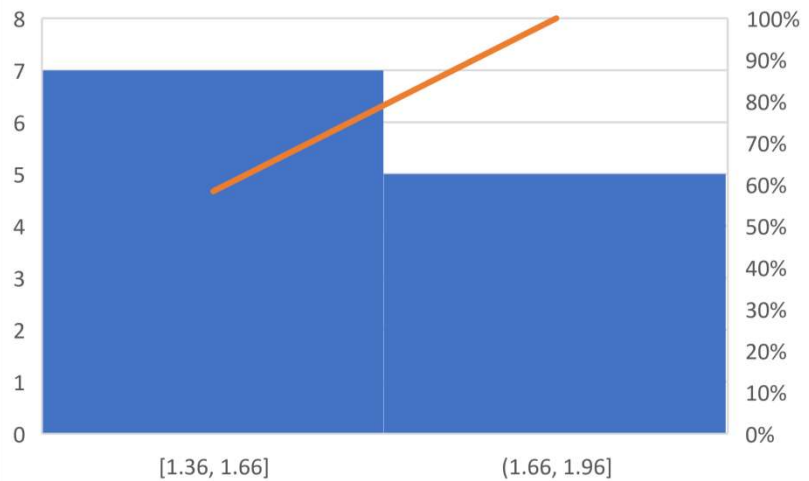
Nitrogen, Ammonium (NH₄-N) Total

Time Frame
Jan 2017-Feb 2020
Wausau-sludge

Stats

Average	1.61925
Standard Dev.	0.199211
CV	0.123027
Count	12
Max Value	1.9
Min Value	1.36
first quartile	1.36
Second Quartile	1.475
Median	1.6055
Third Quartile	1.8325
Max Value	1.9
30 day p99	1.71
4 day P99	1.86
1 day P99	2.14
Correlation	0.284789

Notes:



Nitrogen, Total Kjeldahl

Time Frame

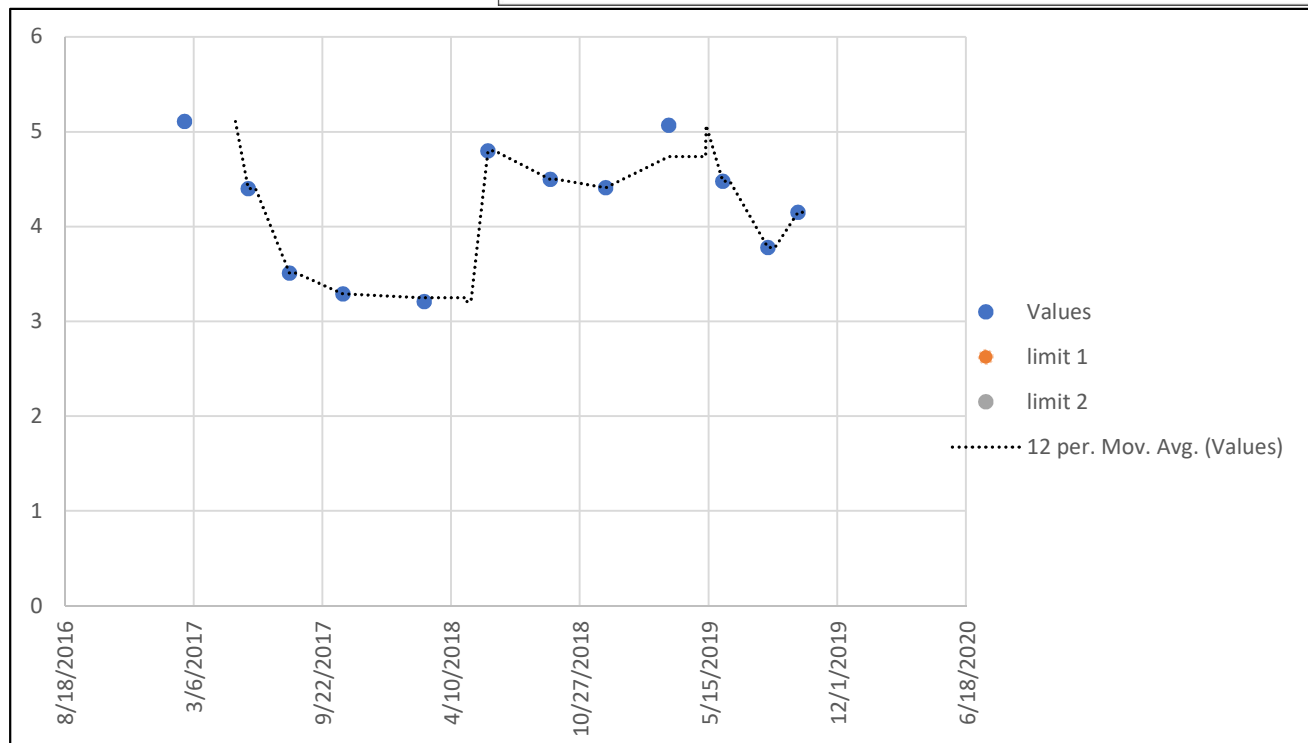
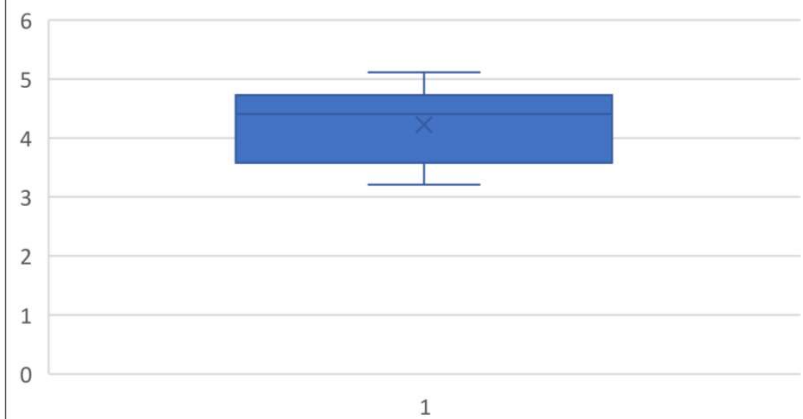
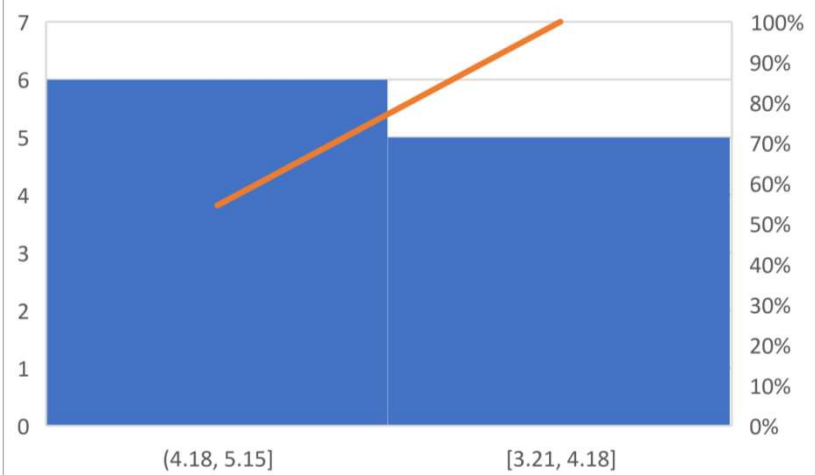
Jan 2017-Feb 2020

Wausau-sludge

Stats

Average	4.225833
Standard Dev.	0.650363
CV	0.153902
Count	12
Max Value	5.11
Min Value	3.21
first quartile	3.21
Second Quartile	3.7125
Median	4.405
Third Quartile	4.575
Max Value	5.11
30 day p99	4.51
4 day P99	5.04
1 day P99	5.96
Correlation	0.089661

Notes:



PCB Total Dry Wt

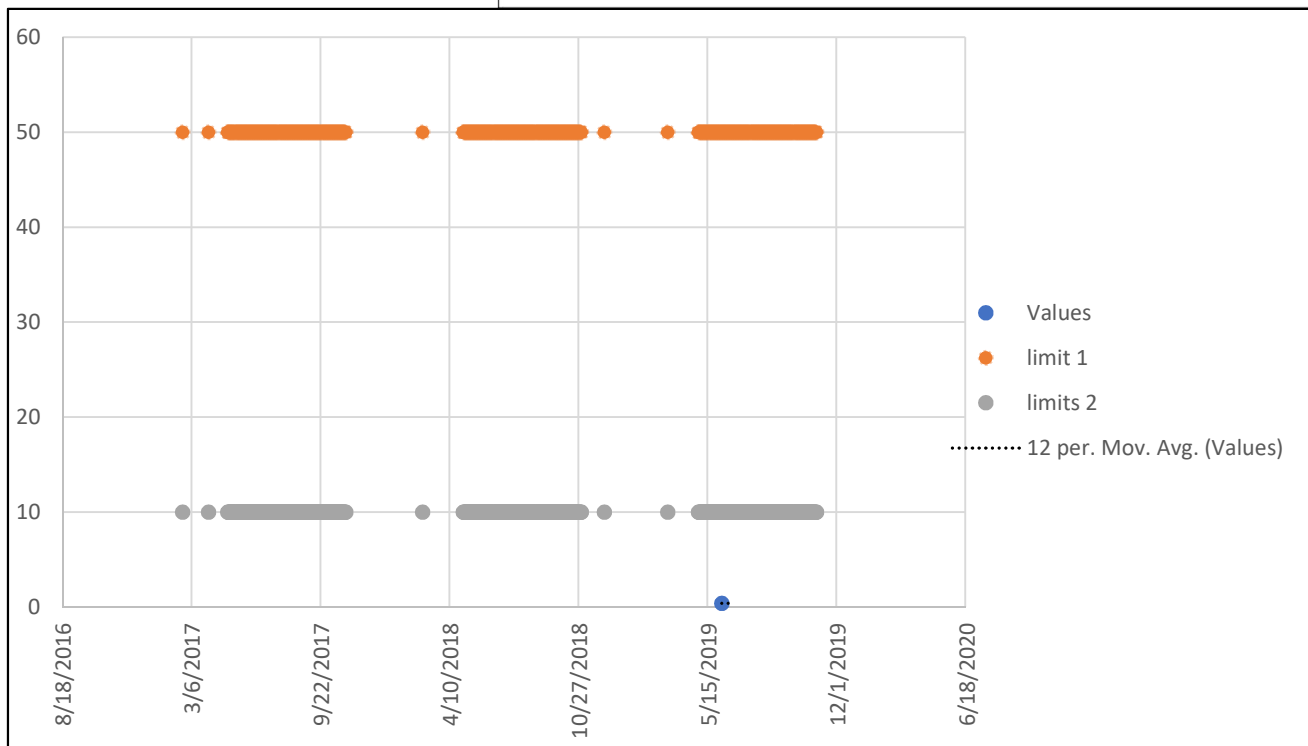
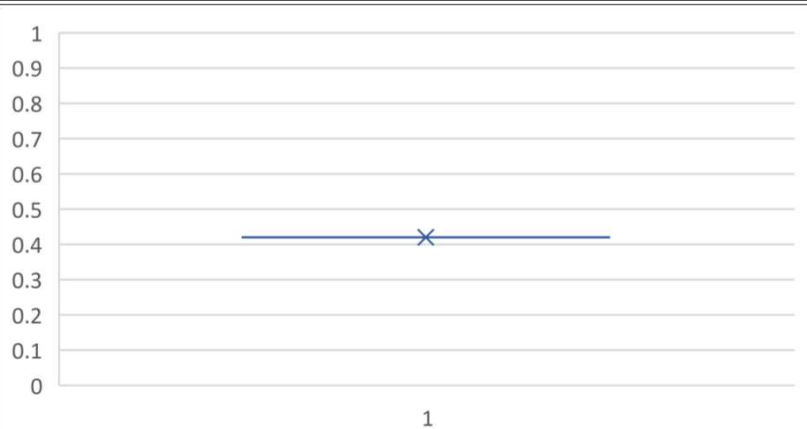
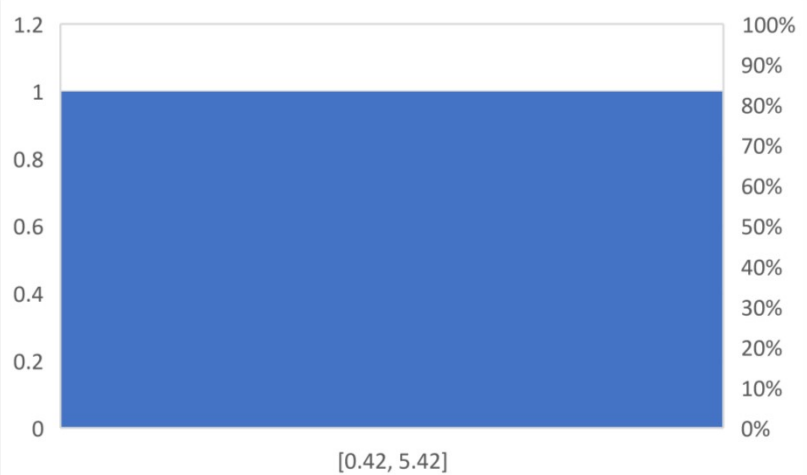
Time Frame
Jan 2017-Feb 2020

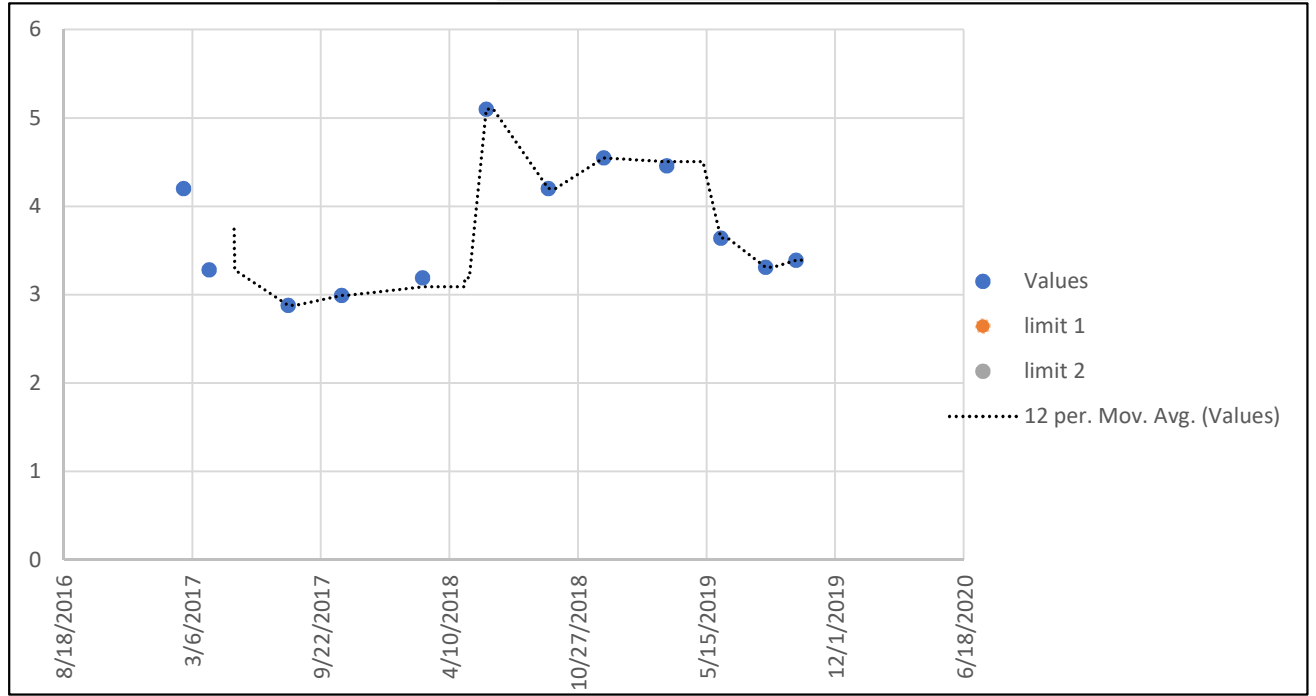
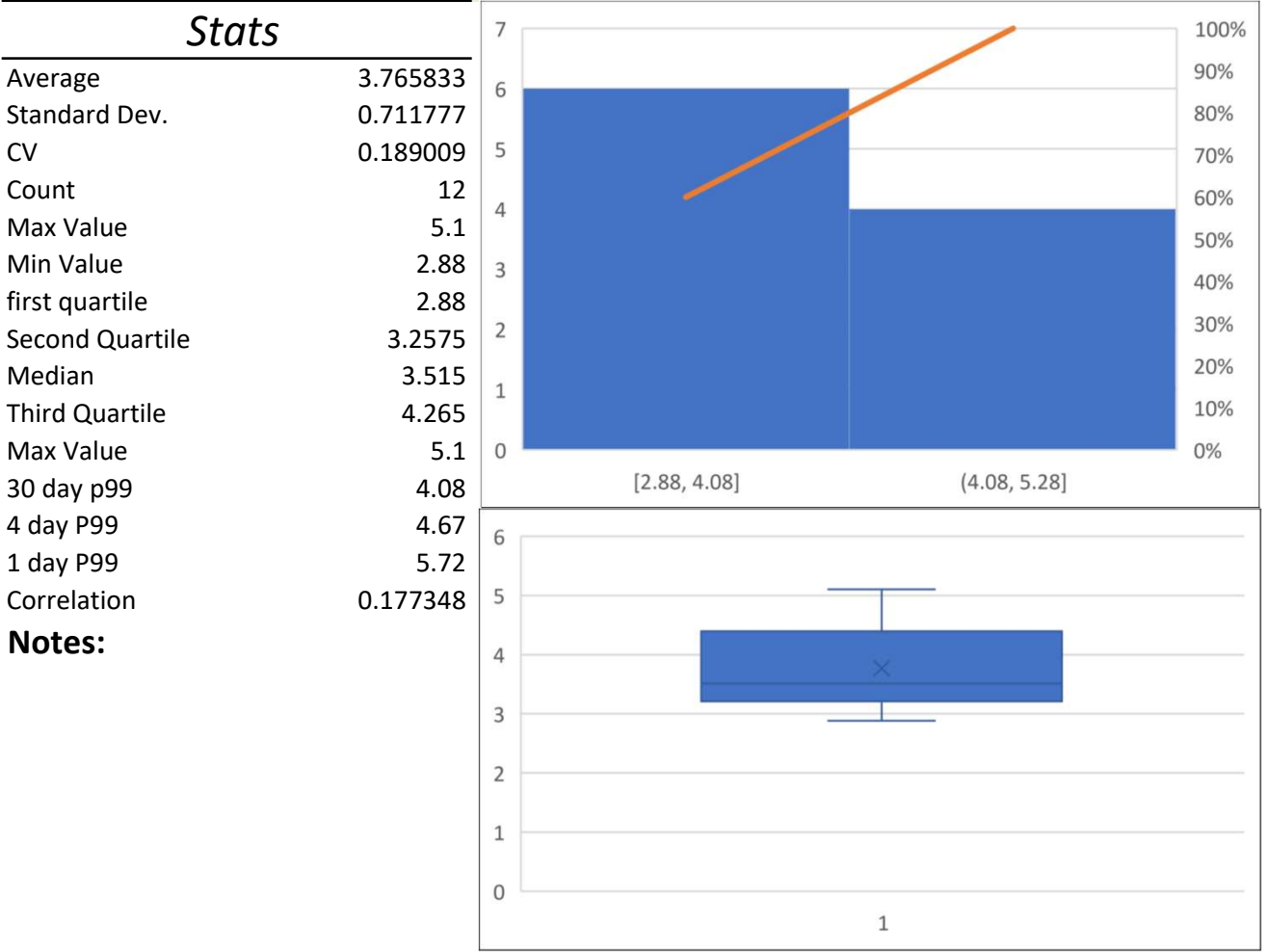
Wausau-sludge

Stats

Average	0.42
Standard Dev.	#DIV/0!
CV	#DIV/0!
Count	1
Max Value	0.42
Min Value	0.42
first quartile	0.42
Second Quartile	0.42
Median	0.42
Third Quartile	0.42
Max Value	0.42
30 day p99	#DIV/0!
4 day P99	#DIV/0!
1 day P99	#DIV/0!
Correlation	#DIV/0!

Notes:





Phosphorus, Water Extractable

Time Frame

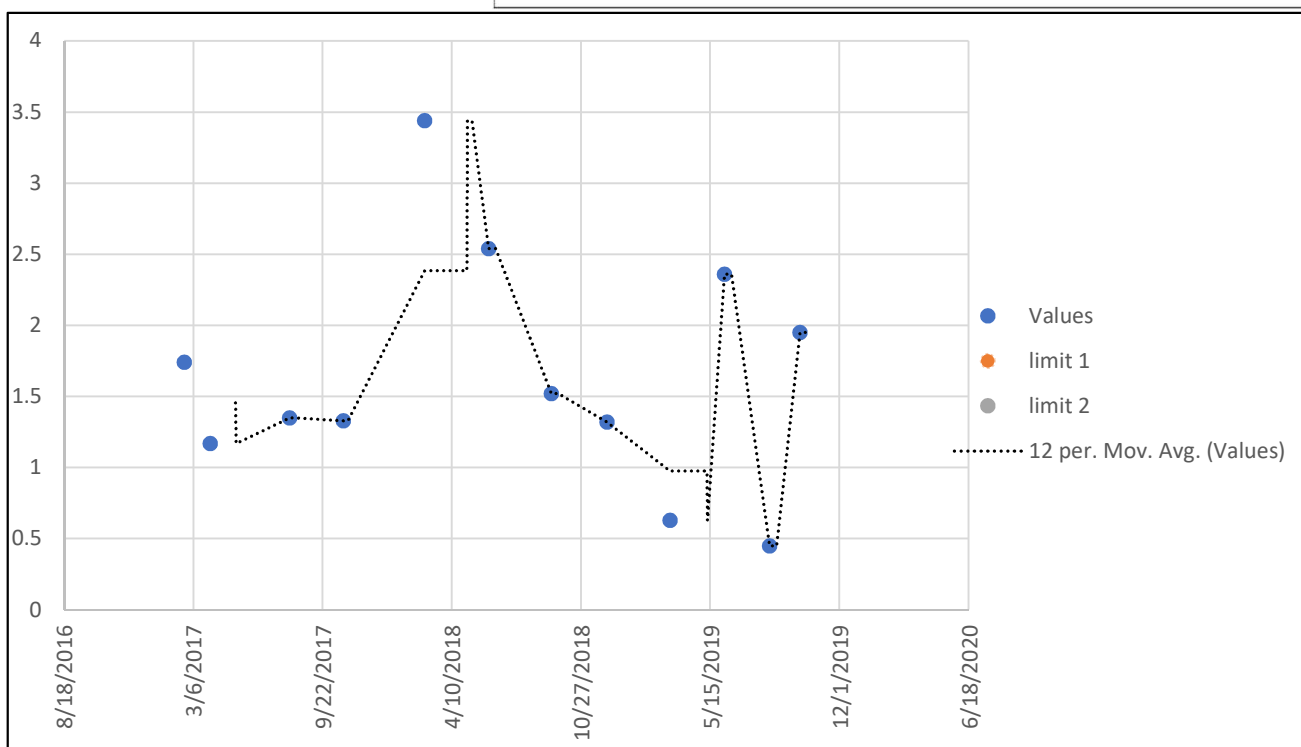
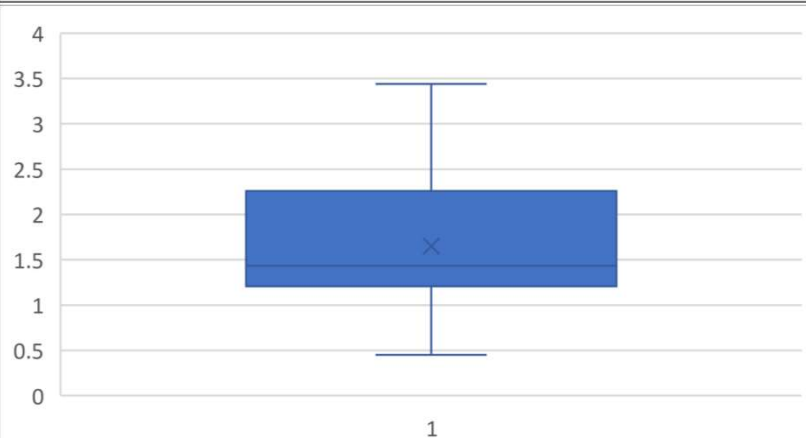
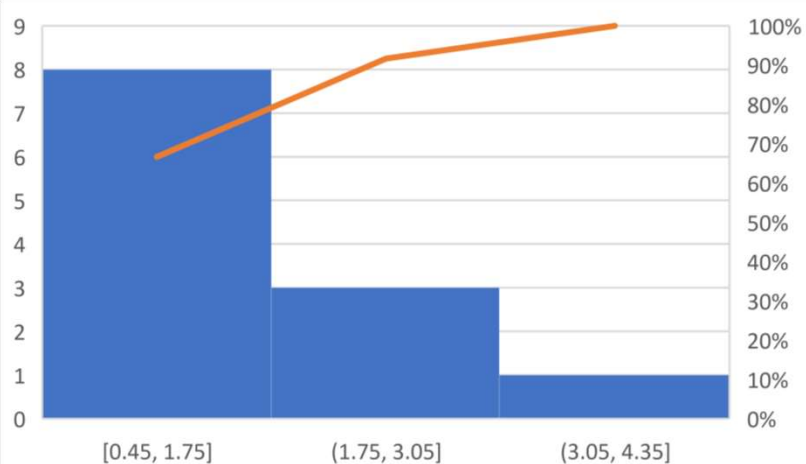
Jan 2017-Feb 2020

Wausau-sludge

Stats

Average	1.65
Standard Dev.	0.832706
CV	0.504671
Count	12
Max Value	3.44
Min Value	0.45
first quartile	0.45
Second Quartile	1.2825
Median	1.435
Third Quartile	2.0525
Max Value	3.44
30 day p99	2.03
4 day P99	2.85
1 day P99	4.46
Correlation	-0.10643

Notes:





CMAR Summary

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

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6/26/2019

2018

Influent Flow and Loading

1. Monthly Average Flows and (C)BOD Loadings

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

Influent No. 701	Influent Monthly Average Flow, MGD	x	Influent Monthly Average (C)BOD Concentration mg/L	x	8.34	=	Influent Monthly Average (C)BOD Loading, lbs/day
January	3.7264	x	326	x	8.34	=	10,131
February	3.8126	x	332	x	8.34	=	10,565
March	3.9834	x	328	x	8.34	=	10,895
April	6.1155	x	248	x	8.34	=	12,665
May	4.5603	x	273	x	8.34	=	10,376
June	4.9993	x	267	x	8.34	=	11,126
July	4.0930	x	292	x	8.34	=	9,984
August	4.1991	x	302	x	8.34	=	10,579
September	4.8818	x	267	x	8.34	=	10,857
October	6.2024	x	227	x	8.34	=	11,754
November	4.5572	x	244	x	8.34	=	9,263
December	4.1718	x	289	x	8.34	=	10,068

2. Maximum Monthly Design Flow and Design (C)BOD Loading

2.1 Verify the design flow and loading for your facility.

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

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

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

0

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3. Flow Meter

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

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

2018-04-28

☐ No

If No, please explain:

4. Sewer Use Ordinance

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

☒ Yes

☐ No

If No, please explain:

4.2 Was it necessary to enforce the ordinance?

☒ Yes

☐ No

If Yes, please explain:

Minor exceedances of industrial permit conditions relating to conventional pollutants and toxic substances, resulted in enforcement action being taken to address these violations. None of these violations resulted in any noticeable upsets at the wastewater plant. All enforcement actions were closed out at the end of 2018.

5. Septage Receiving

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

Septic Tanks Holding Tanks Grease Traps

☒ Yes

☒ Yes

☒ Yes

☐ No

☐ No

☐ No

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

Septic Tanks

☒ Yes 407484 gallons

☐ No

Holding Tanks

☒ Yes 6082072 gallons

☐ No

Grease Traps

☐ Yes gallons

☒ No

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

We are not well set-up to accept grease from grease traps, and would prefer not to, but restaurants are having trouble finding alternatives. The grease accumulates on our primary clarifiers and requires frequent attention. We are looking at options for a grease receiving station.

6. Pretreatment

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

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☒ Yes

☐ No

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

A release of anhydrous milkfat from Kraft Foods caused a blockage in the river crossing siphon on January 19, 2018. This caused sewage to back up and relieve through a safety relief overflow to the Wisconsin River. Kraft installed upgraded valving and process interlocks and conducted training to prevent future occurrences. Wausau Water Works installed an overflow monitoring device in the manhole upstream of the siphon.

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

☒ Yes

☐ No

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

Village of Brokaw-WWTP Sludge (202,000 gals), Advanced Disposal-Transfer Station Rainwater (53,550 gals), REI-Monitoring Well Purge Water (8,430 gals), WAULECO-Remediated Groundwater (11,960,068 gals).

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

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:

6/26/2019

2018

Effluent Quality and Plant Performance (BOD/CBOD)

1. Effluent (C)BOD Results

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

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit > 10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	30	27	18	1	0	0
February	30	27	13	1	0	0
March	30	27	10	1	0	0
April	30	27	7	1	0	0
May	30	27	14	1	0	0
June	30	27	15	1	0	0
July	30	27	20	1	0	0
August	30	27	14	1	0	0
September	30	27	18	1	0	0
October	30	27	14	1	0	0
November	30	27	25	1	0	0
December	30	27	26	1	0	0

* Equals limit if limit is ≤ 10

Months of discharge/yr	12		
Points per each exceedance with 12 months of discharge		7	3
Exceedances		0	0
Points		0	0
Total number of points			0

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

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

2. Flow Meter Calibration

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

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

2018-04-28

☐ No

If No, please explain:

3. Treatment Problems

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

None

4. Other Monitoring and Limits

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

☐ Yes

☒ No

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Wausau Water Works Ww Treatment Facility

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If Yes, please explain: 4.2 At any time in the past year was there a failure of an effluent acute or chronic whole effluent toxicity (WET) test? ☐ Yes ☒ No If Yes, please explain: 4.3 If the biomonitoring (WET) test did not pass, were steps taken to identify and/or reduce source(s) of toxicity? ☐ Yes ☐ No ☒ N/A Please explain unless not applicable:	
--	--

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

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:

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2018

Effluent Quality and Plant Performance (Total Suspended Solids)

1. Effluent Total Suspended Solids Results

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

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit >10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	30	27	5	1	0	0
February	30	27	4	1	0	0
March	30	27	4	1	0	0
April	30	27	3	1	0	0
May	30	27	5	1	0	0
June	30	27	7	1	0	0
July	30	27	8	1	0	0
August	30	27	11	1	0	0
September	30	27	6	1	0	0
October	30	27	7	1	0	0
November	30	27	7	1	0	0
December	30	27	7	1	0	0

* Equals limit if limit is ≤ 10

Months of Discharge/yr	12		
Points per each exceedance with 12 months of discharge:		7	3
Exceedances		0	0
Points		0	0
Total Number of Points		0	

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

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

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

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

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Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:

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2018

Effluent Quality and Plant Performance (Phosphorus)

1. Effluent Phosphorus Results

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

Outfall No. 001	Monthly Average phosphorus Limit (mg/L)	Effluent Monthly Average phosphorus (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance
January	1	0.684	1	0
February	1	0.627	1	0
March	1	0.771	1	0
April	1	0.595	1	0
May	1	0.793	1	0
June	1	0.969	1	0
July	1	0.886	1	0
August	1	1.000	1	0
September	1	0.770	1	0
October	1	0.671	1	0
November	1	0.796	1	0
December	1	0.728	1	0
Months of Discharge/yr			12	
Points per each exceedance with 12 months of discharge:				10
Exceedances				0
Total Number of Points				0

0

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

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

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

--

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

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Last Updated: Reporting For:

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2018

Biosolids Quality and Management

1. Biosolids Use/Disposal

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

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

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

1.1.1 If you checked Other, please describe:

2. Land Application Site

2.1 Last Year's Approved and Active Land Application Sites

2.1.1 How many acres did you have?

4012.30 acres

2.1.2 How many acres did you use?

217 acres

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

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

o Yes (30 points)

● No

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

● Yes

o No (10 points)

o N/A

0

3. Biosolids Metals

Number of biosolids outfalls in your WPDES permit:

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

Outfall No. 002 - CAKE SLUDGE

Parameter	80% of Limit	H.Q. Limit	Ceiling Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80% Value	High Quality	Ceiling
Arsenic		41	75		16.7				20			10.5			2.57		0	0
Cadmium		39	85		<1.77				<1.8			.968			.948		0	0
Copper		1500	4300		397				423			403			390		0	0
Lead		300	840		19.1				29			35.1			31.4		0	0
Mercury		17	57		1.14				.49			.649			.903		0	0
Molybdenum	60		75		17.7				17			20.6			21.1	0		0
Nickel	336		420		22				28			24.9			7.35	0		0
Selenium	80		100		<2.65				<5.66			<12.2			<2.64	0		0
Zinc		2800	7500		582				655			669			632		0	0

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

Exceedence Points

● 0 (0 Points)

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- ☐ 1-2 (10 Points)
- ☐ > 2 (15 Points)
- 3.1.2 If you exceeded the high quality limits, did you cumulatively track the metals loading at each land application site? (check applicable box)
 - ☐ Yes
 - ☐ No (10 points)
 - N/A - Did not exceed limits or no HQ limit applies (0 points)
 - ☐ N/A - Did not land apply biosolids until limit was met (0 points)
- 3.1.3 Number of times any of the metals exceeded the ceiling limits = 0
Exceedence Points
 - 0 (0 Points)
 - ☐ 1 (10 Points)
 - ☐ > 1 (15 Points)
- 3.1.4 Were biosolids land applied which exceeded the ceiling limit?
 - ☐ Yes (20 Points)
 - No (0 Points)
- 3.1.5 If any metal limit (high quality or ceiling) was exceeded at any time, what action was taken?
Has the source of the metals been identified?

0

4. Pathogen Control (per outfall):

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

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2018 - 03/31/2018
Density:	13,439
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	No
Process:	Anaerobic Digestion
Process Description:	Anaerobic Digestion

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	04/01/2018 - 06/30/2018
Density:	15,583
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Anaerobic Digestion

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Last Updated: Reporting For:
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Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	07/01/2018 - 09/30/2018
Density:	53,712
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Anaerobic Digestion

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	10/01/2018 - 12/31/2018
Density:	13,909
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Primary and Secondary Anaerobic Digestion

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

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

☐ Yes (40 Points)

☒ No

If yes, what action was taken?

5. Vector Attraction Reduction (per outfall):

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

Outfall Number:	002
Method Date:	02/27/2018
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	No
Limit (if applicable):	>= 38
Results (if applicable):	54.20

Outfall Number:	002
Method Date:	06/06/2018
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>= 38
Results (if applicable):	55.40

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
6/26/2019 **2018**

Outfall Number:	002		0
Method Date:	09/11/2018		
Option Used To Satisfy Requirement:	Volatile Solids Reduction		
Requirement Met:	Yes		
Land Applied:	Yes		
Limit (if applicable):	>=38		
Results (if applicable):	39.40		
Outfall Number:	002		0
Method Date:	12/06/2018		
Option Used To Satisfy Requirement:	Volatile Solids Reduction		
Requirement Met:	Yes		
Land Applied:	Yes		
Limit (if applicable):	>=38		
Results (if applicable):	69.60		
5.2 Was the limit exceeded or the process criteria not met at the time of land application? ○ Yes (40 Points) ● No If yes, what action was taken? 			
6. Biosolids Storage 6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site? ● >= 180 days (0 Points) ○ 150 - 179 days (10 Points) ○ 120 - 149 days (20 Points) ○ 90 - 119 days (30 Points) ○ < 90 days (40 Points) ○ N/A (0 Points) 6.2 If you checked N/A above, explain why. 			
7. Issues 7.1 Describe any outstanding biosolids issues with treatment, use or overall management: Wet weather interfered with sludge spreading, especially in the fall. We hauled some biosolids to the landfill and carried some over to this spring.			

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

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:

6/26/2019

2018

Staffing and Preventative Maintenance (All Treatment Plants)

1. Plant Staffing 1.1 Was your wastewater treatment plant adequately staffed last year? ☐ Yes ☒ No If No, please explain: We were hampered by extended medical leaves for three key employees at different times during the fall of 2018. Could use more help/staff for: General operations and maintenance 1.2 Did your wastewater staff have adequate time to properly operate and maintain the plant and fulfill all wastewater management tasks including recordkeeping? ☒ Yes ☐ No If No, please explain: Minimally	
2. Preventative Maintenance 2.1 Did your plant have a documented AND implemented plan for preventative maintenance on major equipment items? ☒ Yes (Continue with question 2) ☐☐ ☐ No (40 points) ☐☐ If No, please explain, then go to question 3: 2.2 Did this preventative maintenance program depict frequency of intervals, types of lubrication, and other tasks necessary for each piece of equipment? ☒ Yes ☐ No (10 points) 2.3 Were these preventative maintenance tasks, as well as major equipment repairs, recorded and filed so future maintenance problems can be assessed properly? ☒ Yes ☐ Paper file system ☐ Computer system ☒ Both paper and computer system ☐ No (10 points)	0
3. O&M Manual 3.1 Does your plant have a detailed O&M and Manufacturer Equipment Manuals that can be used as a reference when needed? ☒ Yes ☐ No	
4. Overall Maintenance /Repairs 4.1 Rate the overall maintenance of your wastewater plant. ☐ Excellent ☐ Very good ☒ Good ☐ Fair ☐ Poor Describe your rating:	

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
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We have room for improvement in completing scheduled maintenance timely and general housekeeping.	
---	--

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

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Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
6/26/2019 **2018**

Operator Certification and Education

1. Operator-In-Charge

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

- Yes (0 points)
- No (20 points)

Name:

DAVID A ERICKSON

Certification No:

34268

0

2. Certification Requirements

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

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

2.2 Was the operator-in-charge certified at the appropriate level and subclass(es) to operate this plant? (Note: Certification in subclass SS, N and A5 not required in 2018; subclass SS is basic level only.)

- Yes (0 points)
- No (20 points)

0

3. Succession Planning

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

- ☒ One or more additional certified operators on staff
- ☐ An arrangement with another certified operator
- ☐ An arrangement with another community with a certified operator
- ☐ An operator on staff who has an operator-in-training certificate for your plant and is expected to be certified within one year
- ☐ A consultant to serve as your certified operator
- ☐ None of the above (20 points)

If "None of the above" is selected, please explain:

0

4. Continuing Education Credits

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Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
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4.1 If you had a designated operator-in-charge, was the operator-in-charge earning Continuing Education Credits at the following rates? OIT and Basic Certification: ○ Averaging 6 or more CECs per year. ○ Averaging less than 6 CECs per year. Advanced Certification: ● Averaging 8 or more CECs per year. ○ Averaging less than 8 CECs per year.	
--	--

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

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
6/26/2019 **2018**

Financial Management

1. Provider of Financial Information

Name:

Valerie Swanborg

Telephone:

715-261-6646

(XXX) XXX-XXXX

E-Mail Address
(optional):

valerie.swanborg@ci.wausau.wi.us

2. Treatment Works Operating Revenues

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

● Yes (0 points) ☐

○ No (40 points)

If No, please explain:

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

2018

● 0-2 years ago (0 points) ☐

○ 3 or more years ago (20 points) ☐

○ N/A (private facility)

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

● Yes (0 points)

○ No (40 points)

0

REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]

3. Equipment Replacement Funds

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

Year:

2018

● 1-2 years ago (0 points) ☐

○ 3 or more years ago (20 points) ☐

○ N/A

If N/A, please explain:

3.2 Equipment Replacement Fund Activity

3.2.1 Ending Balance Reported on Last Year's CMAR

\$ 1,578,466.35

3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)

\$ 0.00

3.2.3 Adjusted January 1st Beginning Balance

\$ 1,578,466.35

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

+

\$ 180,316.66

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Wausau Water Works Ww Treatment Facility

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

- \$ 0.00

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

\$ 1,758,783.01

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

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

3.3 What amount should be in your Replacement Fund? \$ 1,758,783.01

0

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

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

● Yes

○ No

If No, please explain.

4. Future Planning

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

● Yes - If Yes, please provide major project information, if not already listed below. ☐ ☐

○ No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	Sand Filter Sand & Rehab	50000	2021
2	Digester Cover Replacement/Repair/Insulation	1250000	2019
3	Replace Poly Mixing Systems 2016-2017	35000	2018
4	72nd Ave Lift Station	300000	2018
5	Northwestern Lift Station	85000	2019
6	Sewer Sliplining (annual)	400000	2018
7	Thomas St. Reconstruction	300000	2019
8	Security Camera and Gate Controls	25,000	2020
9	Crocker St. Lift Station	200000	2018
10	Lift Station Forcemain Cleaning	200000	2019
11	Interceptor Line MH Reconstruction	750000	2021
12	Airport Lift Station Bar Screen	300000	2020
13	Townline Road Reconstruction	200000	2019
14	1st Avenue Reconstruction	200000	2019
15	Plant Upgrade Project - Design and Engineering Services	2,000,000	2019
16	Plant Upgrade Project	20,000,000	2020
17	Plant Upgrade Project	30,000,000	2021
18	Plant Upgrade Project	30,000,000	2022

5. Financial Management General Comments

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:

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2018

We are in the final design stage for a major plant upgrade expected to be bid in 2020

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

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

COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations:

	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	37,876	121
February	39,322	107
March	39,697	116
April	36,285	64
May	32,067	20
June	24,360	0
July	21,795	1
August	23,685	0
September	23,894	0
October	32,743	12
November	42,936	103
December	41,408	121
Total	396,068	665
Average	33,006	74

6.1.2 Comments:

6.2 Energy Related Processes and Equipment

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

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

6.2.2 Comments:

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

- No

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Wausau Water Works Ww Treatment Facility

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2018

☐ Yes

Year:

By Whom:

Describe and Comment:

6.4 Future Energy Related Equipment

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

Upgrade pumps and controls

7. Treatment Facility

7.1 Energy Usage

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

TREATMENT PLANT: Total Power Consumed/Month

	Electricity Consumed (kWh)	Total Influent Flow (MG)	Electricity Consumed/Flow (kWh/MG)	Total Influent BOD (1000 lbs)	Electricity Consumed/Total Influent BOD (kWh/1000lbs)	Natural Gas Consumed (therms)
January	104,217	115.52	902	314.06	332	13,457
February	117,163	106.75	1,098	295.82	396	10,220
March	95,145	123.49	770	337.75	282	8,321
April	102,816	183.47	560	379.95	271	6,339
May	146,093	141.37	1,033	321.66	454	550
June	152,379	149.98	1,016	333.78	457	460
July	158,535	126.88	1,249	309.50	512	331
August	237,619	130.17	1,825	327.95	725	509
September	163,527	146.45	1,117	325.71	502	1,048
October	135,892	192.27	707	364.37	373	3,419
November	133,698	136.72	978	277.89	481	8,976
December	153,095	129.33	1,184	312.11	491	10,820
Total	1,700,179	1,682.40		3,900.55		64,450
Average	141,682	140.20	1,037	325.05	440	5,371

7.1.2 Comments:

7.2 Energy Related Processes and Equipment

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

☐ Aerobic Digestion

☒ Anaerobic Digestion

☐ Biological Phosphorus Removal

☐ Coarse Bubble Diffusers

☒ Dissolved O2 Monitoring and Aeration Control

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Wausau Water Works Ww Treatment Facility

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- ☐ Effluent Pumping
- ☒ Fine Bubble Diffusers
- ☒ Influent Pumping
- ☒ Mechanical Sludge Processing
- ☐ Nitrification
- ☒ SCADA System
- ☒ UV Disinfection
- ☒ Variable Speed Drives
- ☐ Other:

7.2.2 Comments:

7.3 Future Energy Related Equipment

7.3.1 What energy efficient equipment or practices do you have planned for the future for your treatment facility?

Replace boilers as part of major plant upgrade

8. Biogas Generation

8.1 Do you generate/produce biogas at your facility?

☐ No

☒ Yes

If Yes, how is the biogas used (Check all that apply):

- ☒ Flared Off
- ☒ Building Heat
- ☒ Process Heat
- ☒ Generate Electricity
- ☐ Other:

9. Energy Efficiency Study

9.1 Has an Energy Study been performed for your treatment facility?

☒ No

☐ Yes

☐ Entire facility

Year:

By Whom:

Describe and Comment:

☐ Part of the facility

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: 6/26/2019 Reporting For: **2018**

Year:	
By Whom:	
Describe and Comment: 	

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

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Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:

6/26/2019

2018

Sanitary Sewer Collection Systems

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

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

☒ Yes

☐ No

If No, explain:

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

☒ Yes

☐ No (30 points)

☐ N/A

If No or N/A, explain:

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

☒ Goals [NR 210.23 (4)(a)]

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

System Collection and Capacity Assurance Plan
Replacing Portions of the Collection System that are in poor condition
Assess capacity of Industrial Park sewer system with respect to recent acquisitions

Did you accomplish them?

☐ Yes

☒ No

If No, explain:

Additional work is needed to evaluate collection system and assess hydrogen sulfide issues.

☒ Organization [NR 210.23 (4) (b)] ☐ ☐

Does this chapter of your CMOM include:

☒ Organizational structure and positions (eg. organizational chart and position descriptions)

☒ Internal and external lines of communication responsibilities

☒ Person(s) responsible for reporting overflow events to the department and the public

☒ Legal Authority [NR 210.23 (4) (c)]

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

Wausau Municipal Code Ch 13.62

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

2015-04-02

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

☒ Private property inflow and infiltration

☒ New sewer and building sewer design, construction, installation, testing and inspection

☐ Rehabilitated sewer and lift station installation, testing and inspection

☐ Sewage flows satellite system and large private users are monitored and controlled, as necessary

☒ Fat, oil and grease control

☒ Enforcement procedures for sewer use non-compliance

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

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

☒ Equipment and replacement part inventories

☒ Up-to-date sewer system map

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

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2018

☒ A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation

☒ A description of routine operation and maintenance activities (see question 2 below)

☐ Capacity assessment program

☒ Basement back assessment and correction

☒ Regular O&M training

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

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

☒ State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements

☒ Construction, Inspection, and Testing

☐ Others:

0

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

Does your emergency response capability include:

☒ Responsible personnel communication procedures

☒ Response order, timing and clean-up

☒ Public notification protocols

☐ Training

☐ Emergency operation protocols and implementation procedures

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

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

☐ Infiltration/Inflow (I/I) Analysis

☐ Sewer System Evaluation Survey (SSES)

☐ Sewer Evaluation and Capacity Management Plan (SECAP)

☐ Lift Station Evaluation Report

☒ Others:

Sonar Inspection of our (2) major river crossings/siphons.

2. Operation and Maintenance

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

Cleaning % of system/year

Root removal % of system/year

Flow monitoring % of system/year

Smoke testing % of system/year

Sewer line televising % of system/year

Manhole inspections % of system/year

Lift station O&M # per L.S./year

Manhole rehabilitation % of manholes rehabbed

Mainline rehabilitation % of sewer lines rehabbed

Private sewer inspections % of system/year

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Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:

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2018

Private sewer I/I removal % of private services

River or water crossings % of pipe crossings evaluated or maintained

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

We installed 30 trenchless point patches, 2 excavation point repairs, and 10 manhole repairs.

3. Performance Indicators

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

39.25	Total actual amount of precipitation last year in inches
32.4	Annual average precipitation (for your location)
234.1	Miles of sanitary sewer
25	Number of lift stations
0	Number of lift station failures
32	Number of sewer pipe failures
3	Number of basement backup occurrences
63	Number of complaints
4.610	Average daily flow in MGD (if available)
6.202	Peak monthly flow in MGD (if available)
21.697	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

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

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OFERFLOWS REPORTED **

	Date	Location	Cause	Estimated Volume (MG)
0	1/19/2018 9:00:00 AM - 1/24/2018 3:00:00 AM	The overflow occurred at a permanent overflow structure at 230 Sturgeon Eddy Rd	Plugged Sewer	3.70 - 3.70

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

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

We installed a water level monitoring system (in the manhole) at the Sturgeon Eddy Siphon.

5. Infiltration / Inflow (I/I)

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

☒ Yes

☐ No

If Yes, please describe:

Flow increases significantly with spring thaw and storm events

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2018

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

☐ Yes

☒ No

If Yes, please describe:

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

I&I has remained relatively unchanged

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

We are pursuing a baseline flow study to provide a basis for I&I evaluation

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

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Last Updated: Reporting For:
6/26/2019 **2018**

Grading Summary

WPDES No: 0025739

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

Notes:

A = Voluntary Range (Response Optional)

B = Voluntary Range (Response Optional)

C = Recommendation Range (Response Required)

D = Action Range (Response Required)

F = Action Range (Response Required)

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Last Updated: Reporting For:
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Resolution or Owner's Statement

Name of Governing
Body or Owner:

City of Wausau

Date of Resolution or
Action Taken:

2019-06-11

Resolution Number:

03-0311

Date of Submittal:

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

Influent Flow and Loadings: Grade = A

Effluent Quality: BOD: Grade = A

Effluent Quality: TSS: Grade = A

Effluent Quality: Phosphorus: Grade = A

Biosolids Quality and Management: Grade = A

Staffing: Grade = A

Operator Certification: Grade = A

Financial Management: Grade = A

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

The City's response to the January 19, 2018 Sanitary Sewer Overflow was outlined in our June 27, 2018 and September 24, 2018 response letters to the WDNR.

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

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

G.P.A. = 4.00

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Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
6/26/2019 2018

DNR Response to Resolution or Owner's Statement

Name of Governing
Body or Owner:

City of Wausau

Date of Resolution or
Action Taken:

2019-06-11

Resolution Number:

03-0311

Date of Submittal:

6/26/2019

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

Influent Flow and Loadings: Grade = A

Permittee Response:

DNR Response:

Effluent Quality: BOD: Grade = A

Permittee Response:

DNR Response:

Effluent Quality: TSS: Grade = A

Permittee Response:

DNR Response:

Effluent Quality: Phosphorus: Grade = A

Permittee Response:

DNR Response:

Biosolids Quality and Management: Grade = A

Permittee Response:

DNR Response:

Staffing: Grade = A

Permittee Response:

DNR Response:

Operator Certification: Grade = A

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
6/26/2019 **2018**

Permittee Response:

DNR Response:

Financial Management: Grade = A

Permittee Response:

DNR Response:

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

Permittee Response:

The City's response to the January 19, 2018 Sanitary Sewer Overflow was outlined in our June 27, 2018 and September 24, 2018 response letters to the WDNR.

DNR Response:

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

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

G.P.A. = 4

Permittee Response:

DNR G.P.A. Response:

DNR CMAR Overall Response:

DNR Reviewer: Lindstrom, Nicholas

Address: 1300 W Clairemont Avenue, Eau Claire, WI 54701

Phone: (715) 839-3735

Date: 8/13/2019



SSO/TFO History

Sanitary Sewer Overflow (SSO) Detail Report

Report Data Criteria : Facility : WAUSAU WATER WORKS WW TREATMENT FACILITY, Dates : 7/1/2018 - 6/30/2020

07/01/2020

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Wausau Water Works

0025739-09-1

Marathon County

West Central Region

SSO Time Period : 05/23/2019 14:30 to 05/23/2019 16:00

SSO Volume (MG) : 0.0006

Event Location Intersection of Central Drive and Sherman Road (44.95083, -89.68168)

Causes : Plugged Sewer

Explanation of Cause :

Rainfall Duration : 0.00 h Rainfall Amount : 0.00 in

Downstream Surface Water :

Corrective Action : The bypass temporarily eliminated the discharge. We made an attempt to excavate and repair the pipe on 5/23/2019 but were unsuccessful because of the water conditions and the proximity to a power pole. We monitored the bypass pump overnight and brought in a contractor on 5/24/2019. The pipe repair was completed at 2:45 pm and the excavation backfilled and graded by 5:00 pm.

SSO Time Period : 04/22/2020 07:45 to 04/22/2020 15:30

SSO Volume (MG) : 0.0000

Event Location Wastewater Treatment Facility, 435 Adrian St. Wausau WI 54401

Causes :

Explanation of Cause : Industrial Discharge

Rainfall Duration : 0.00 h Rainfall Amount : 0.00 in

Downstream Surface Water :

Corrective Action : The source of the discharge was identified and confirmed. The vac-truck was used to suck up foam along the fence line and at the effluent pipe overflow. The wind was blowing towards the plant and away from the river so no foam was discharged to the river. A water hose and sprayer was used to spray into the effluent pipe overflow which kept the foam under control. The sprayer was kept in operation through Thursday and into the day Friday. The plant was pretty much back to normal on Friday and looked good on Saturday.

SSO Time Period : 05/15/2020 08:00 to 05/15/2020 09:15

SSO Volume (MG) : 0.0000

Event Location Westhill Dr & N 32nd Ave

Causes : Plugged Sewer

Explanation of Cause :

Rainfall Duration : 0.00 h Rainfall Amount : 0.00 in

Downstream Surface Water :

Corrective Action : Used sewer cleaning equipment to remove obstruction. Checked sanitary sewer manholes to assure system was flowing. Followed up with adjacent property owners and determined basements were not affected. Pulled storm sewer manhole covers to look for wastewater.

Wausau Water Works Summary :

Total # of SSO Events :	3	Total SSO Volume Range (MG) :	0.0006 to	0.0006
		Approx SSO Average Volume (MG) :	0.0006	

Report Total	Total # of SSO Events :	3	Total SSO Volume Range (MG) :	0.0006 to	0.0006
			Approx SSO Average Volume (MG) :	0.0006	



Photolog



Photo 1: 30 min settling test

4/22/2020 DRIVER: BRAD LEONARD

Vehicle #	S30	S31	Tractor (20yds)	Spreader Box (16yds)	COMMENTS
Miles Stop	62984				
Miles Start	62808				
TOTAL					
Hours Stop	3476.0			758.7	
Hours Start	3461.1			756.0	
TOTAL					

Load #	Field #	Acres Spread	Crop	Method of Application	Comments
1	13-2B				715A 4 LD
2	1				817A
3	1				915A
4	1				1011A - DONE
1	13-2A				117A 7 LD
2	1				1200P
3	1				117P
4	1				200P
5	1				236P
6	1				316P
7	1				406P - DONE

Photo 2: SLudge hauling records



Photo 3: Dual influent travelling bar screens



Photo 4: Influent Pumps



Photo 5: Influent sampler



Photo 6: Gravity belt thickener



Photo 7: Alum tank on left, Polymer tank on right



Photo 8: Construction of new sludge handling facility, primary clarifiers in the foreground

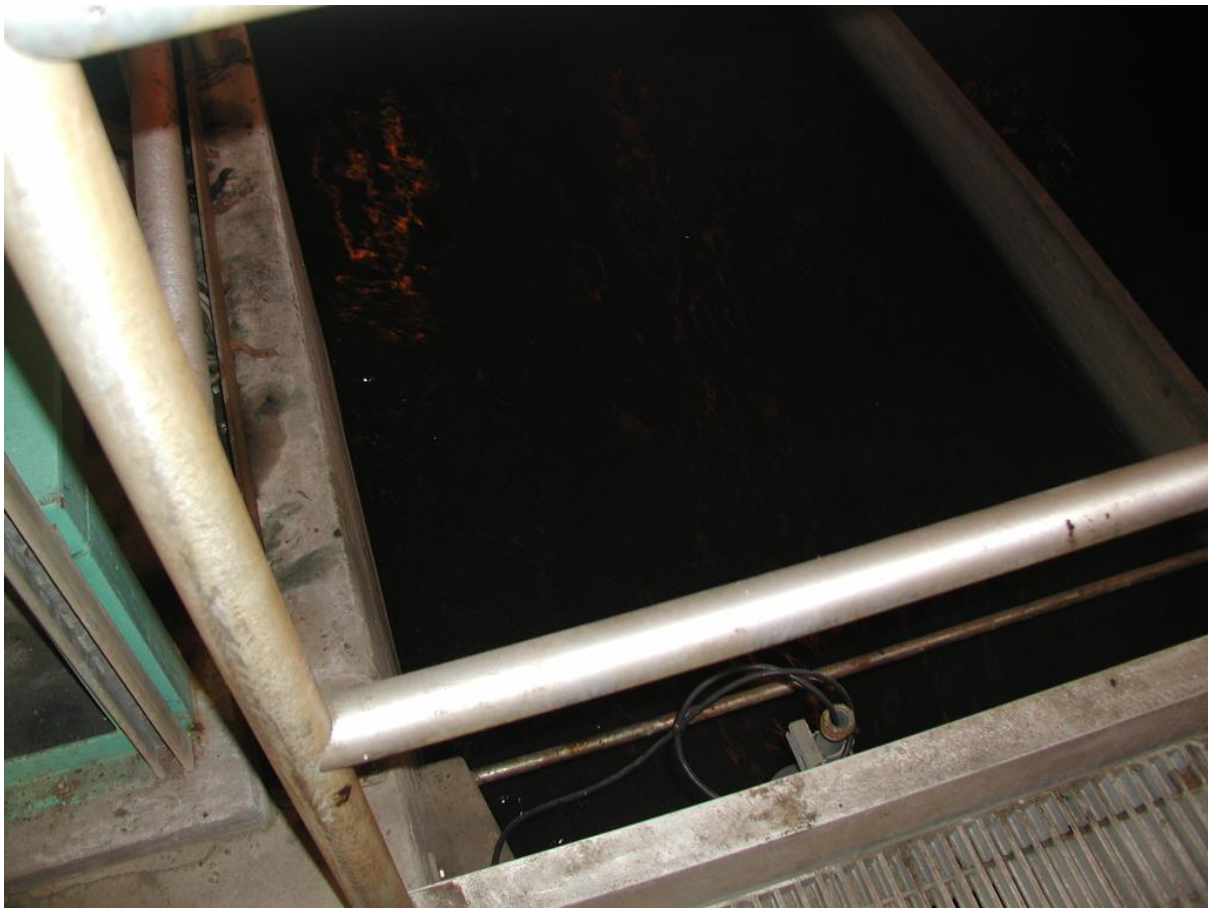


Photo 9: Influent Parshall flume (upstream)



Photo 10: Influent Parshall flume (downstream)



Photo 11: Easternmost clarifiers (South looking North)



Photo 12: Northernmost aeration basin



Photo 13: Biosolids storage facility



Photo 14: Secondary clarifier effluent weir and trough.



Photo 15: Northerneastern secondary clarifier surface water quality near center well.



Photo 16: Northerneastern secondary clarifier surface water quality



Photo 17: South eastern secondary clarifier



Photo 18: Southeastern secondary clarifier sludge depth



Photo 19: UV disinfection



Photo 20: Sand Filters



Photo 21: Effluent structure



Photo 22: Biosolids



Compliance- Miscellaneous

Wausau: Future TMDL limit estimation					Data range: 07/16-Apr 19	
7	Mean (μ)	Variance (σ^2)	Standard Deviation (σ)	Variation (CV)		
1	#DIV/0!	#DIV/0!	#DIV/0!	0.600	Section only valid if TP equivalent conc. Is under .3 (M6)	
	Number of Samples					
				TP WLA (lbs/yr)	5127	TP Equivalent Effluent Conc. 0.21
				TP WLA (Lbs/day)	14.046575	Proceed below if E3 is under .3
Monitoring Frequency	6 Month AVG	Monthly AVG			TP 6-Month ave PermitLimit (lbs/day)	15.849
Daily	182.625	30		Facility Annual Average Design Flow (MGD)	8.2	estimated discharge 6-month TP conc limit. 0.36
6X per Week	156.535714	24		Actual Annual Average Flow(MGD)	5.3	TP Monthly ave Permit Limit (lbs/day) 47.55
5X per Week	130.446429	20				Estimate discharge monthly TP conc. Limit 1.08
4X per Week	104.357143	16		TP sampling frequency (times/wk)	5	
3X per Week	78.2678571	12				
2X per Week	52.1785714	8				
Weekly or Less	26.0892857	4	Index	Section only valid if TP equivalent conc. Is over .3 (M6)		
			Insert value			
	Multipliers					
				TP WLA (lbs/yr)	9145	TP Equivalent Effluent Conc (mg/L) 0.37
				TP WLA (Lbs/day)	25.054735	Proceed below if M19 is over .3
Monitoring Frequency	6 Month AVG	Monthly AVG			TP Monthly ave PermitLimit (lbs/day)	33.880
Daily	1.11	1.28		Facility Annual Average Design Flow (MGD)	8.2	estimated discharge Monthly TP conc limit (mg/L) 0.77
6X per Week	1.12	1.32		Actual Annual Average Flow(MGD)	5.3	
5X per Week	1.13	1.35				
4X per Week	1.14	1.40		TP sampling frequency (times/wk)	5	
3X per Week	1.17	1.47				

Lindstrom, Nicholas E - DNR

From: Ken Bloom <Ken.Bloom@ci.wausau.wi.us>
Sent: Thursday, November 21, 2019 1:17 PM
To: Lindstrom, Nicholas E - DNR
Cc: Dave Erickson
Subject: Winter Nitrification / Phosphorus Compliance Schedule WPDES Permit

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Nick,

FYI - We want to let you know that we have been working with Donohue Associates on improving our winter nitrification the best we can, until our future plant upgrade is complete. We have started using a "wasting calculator" provided by Donohue Associates, to calculate our wasting amount (WAS), that determines the daily amount to waste using a target sludge age. We have also put another aeration basin in service, so we have 4 aeration basins on line now, rather than our normal 3 basins. We are hoping these adjustments will help keep the nitrifying bacteria in our system to reduce our effluent ammonia concentration, thus reducing our "artificially" high effluent BOD concentrations in winter. We will make adjustments to the wasting amounts as needed.

Secondly, this question is regarding our newly re-issued WPDES permit. Donohue Associates recently submitted a Final Facilities Plan (Wastewater Treatment Facility Improvements Project) to the WDNR on 9/30/2019. The newly re-issued WPDES permit has a phosphorus compliance schedule included, where the utility is required to submit yearly reports detailing the progress towards meeting our final effluent phosphorus limit. Our Final Facilities Plan addresses our effluent phosphorus compliance plans (tertiary disc filtration) to meet the future low level phosphorus limit or WQBEL. Therefore; do we need to submit all the phosphorus compliance reports included in permit, as most if not all these reports have been addressed within our future plant upgrade? I believe Donohue Associates has already spoken to the DNR regarding this matter, but we just want to make sure, as the first report is due at the end of 2019. Please let us know your thoughts.

Thank you.

Ken Bloom
Lab Technician
Wausau Water Works – Wastewater Division
407 Grant Street, Wausau, WI 54403-4783 (Mailing)
435 Adrian Street, Wausau, WI 54401 (Plant)
(715) 573-7394 cell
Ken.Bloom@ci.wausau.wi.us



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Statement of Confidentiality

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February 7, 2019

Nicholas Lindstrom
Wastewater Engineer
5301 Rib Mountain Dr.
Wausau, WI 54401
Via email and hard copy: Nicholas.Lindstrom@wisconsin.gov

Subject: Notice of Noncompliance Response
Flow Rate Underreportings (03/01/2018 – 09/30/2018)

Dear Mr. Lindstrom,

The Wausau Wastewater Treatment Plant SCADA system failed to record flow data for several intervals during 2018. The Notice of Noncompliance issued on January 9, 2019 provided notification that we are out of compliance and requested that we provide an action plan to permanently fix the issue and implement back up practices to assure data is available until the permanent fixes are in place.

The problems have occurred for three separate reasons: the SCADA computer failed and the mother board needed to be replaced, the SCADA computer operating system crashed and the computer needed to be rebooted, or the SCADA software crashed and needed to be reinstalled on the computer. All of these issues are related to the age of the hardware and software, which we had intended to replace with our proposed plant upgrade.

We have measures in the works, each of which would constitute a permanent repair:

1. We have completed a Facilities Plan and Preliminary Design for a plant upgrade. The upgrade will include new flow meters for influent and effluent. This project is currently being reviewed as we seek authorization from the City Council and we anticipate construction will be completed in three years.
2. We have authorized a local firm to replace our existing software and SCADA computers with a new system that will keep us operating until the upgrade is completed. The new software is upgradable so we can use it after the upgrade but some reprogramming will be required. We anticipate this system will be operating within 3 months.
3. We have ordered a data-logger to tie into our existing flow meter. This device will allow us to download flow history independent of the SCADA system as needed. We expect it will be installed within three to four weeks.

Office of the Mayor
Robert B. Mielke



TEL: (715) 261-6800
FAX: (715) 261-6808

In order to assure compliance until a permanent measure is in place, as a secondary measure, we will begin manually recording flow data on February 1, 2019. The data will be recorded each working day. If the primary system fails, we will record the data every day, including weekends and holidays, until the primary system is restored.

We appreciate the importance of providing accurate data as required by our permit. Please contact me if you have any questions or comments.

Sincerely,

Robert B. Mielke
Mayor, City of Wausau

Cc: Eric Lindman, Director of Public Works
Dave Erickson, Wastewater Superintendent

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Wausau Service Center
5301 Rib Mountain Drive
Wausau, WI 54401

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711



01/09/2019

Robert Mielke, Mayor of Wausau
407 Grant Street
Wausau, WI 54401

Subject: **NOTICE OF NONCOMPLIANCE**
WPDES Permit #WI-0025739-09-0
Flow rate underreportings (03/01/2018-9/30/2018)

Dear Mayor Mielke:

The purpose of this letter is to provide notification that **Wausau Water Works** is out of compliance with its Wisconsin Pollutant Discharge Elimination System (WPDES) Permit (WI-0025739-09-0) based on a review of our records. Our records indicate that there has been persistent flow rate underreportings throughout the year of 2018.

Chapter 1.2, WPDES permit states: The permittee shall comply with the monitoring requirements.

Chapter 3.2, WPDES permit states: The permittee shall comply with the monitoring requirements and limitations.

Summary of Noncompliance:

Below is a table listing the reporting periods in which the permittee failed to meet the monitoring requirements per ch.1.2 and ch.3.2, WPDES Permit.

Begin date	End date	Violation Description	Comments
3/1/2018	3/31/2018	Flow Rate under reported. Expecting 31 results in MGD units. (Continuous). Only 28 reported.	Issues with influent control module. To be fixed in July
4/1/2018	4/30/2018	Flow Rate under reported. Expecting 30 results in MGD units. (Continuous). Only 20 reported.	Issues with influent control module. To be fixed in July
5/1/2018	5/31/2018	Flow Rate under reported. Expecting 31 results in MGD units. (Continuous). Only 23 reported.	Issues with influent control module. To be fixed in July
6/1/2018	6/30/2018	Flow Rate under reported. Expecting 30 results in MGD units. (Continuous). Only 29 reported.	Issues with influent control module. To be fixed in July
7/1/2018	7/31/2018	Flow Rate under reported. Expecting 31 results in MGD units. (Continuous). Only 24 reported.	Scada system down.

8/1/2018	8/31/2018	Flow Rate under reported. Expecting 31 results in MGD units. (Continuous). Only 30 reported.	Scada system down.
9/1/2018	9/30/2018	Flow Rate under reported. Expecting 30 results in MGD units. (Continuous). Only 27 reported.	Scada system down.
9/1/2018	9/30/2018	Flow Rate under reported. Expecting 30 results in MGD units. (Continuous). Only 29 reported.	Scada system down.
11/1/2018	11/30/2018	Flow Rate under reported. Expecting 30 results in MGD units. (Continuous). Only 28 reported.	Scada system down.

Requested Actions:

Wausau Water Works is currently out of compliance with its WPDES Permit **and will remain in noncompliance** until all requirements of the permit are met. To achieve compliance, the department requests the following actions:

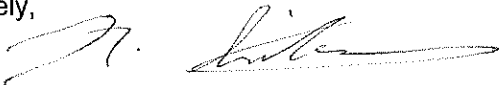
1. Provide the department an action plan to permanently fix/replace the flow meter control module/Scada system in an effort to prevent future underreportings.
2. Implement auxiliary/secondary measurement practices to back up the primary flow readings if the control module/Scada systems fails.

If you feel our records are in error and monitoring was performed, please submit a copy of the results to the department. The affiliated Discharge Monitoring Reports will be put back in progress for correcting.

Please provide a written response to the department within 30 days of the date of this letter addressing each of the required action items. Please be advised that if violations continue or if corrective action is not achieved, that the department may pursue further enforcement action. Those actions may ultimately result in a referral to the Department of Justice with potential penalties per s. 283.89, Wis. Stats.

If you have any questions or comments, please contact me at (715) 359-5866 or nicholas.lindstrom@wisconsin.gov. I appreciate your cooperation in protecting our natural resources.

Sincerely,



Nicholas Lindstrom
Wastewater Engineer, WDNR

CC (email): Lacey Hillman- WCR Wastewater Supervisor, WDNR
Dave Erickson- WWTP Operator in Charge, Wausau Water Works

Secondary Clarifier Performance (est.)-Wausau

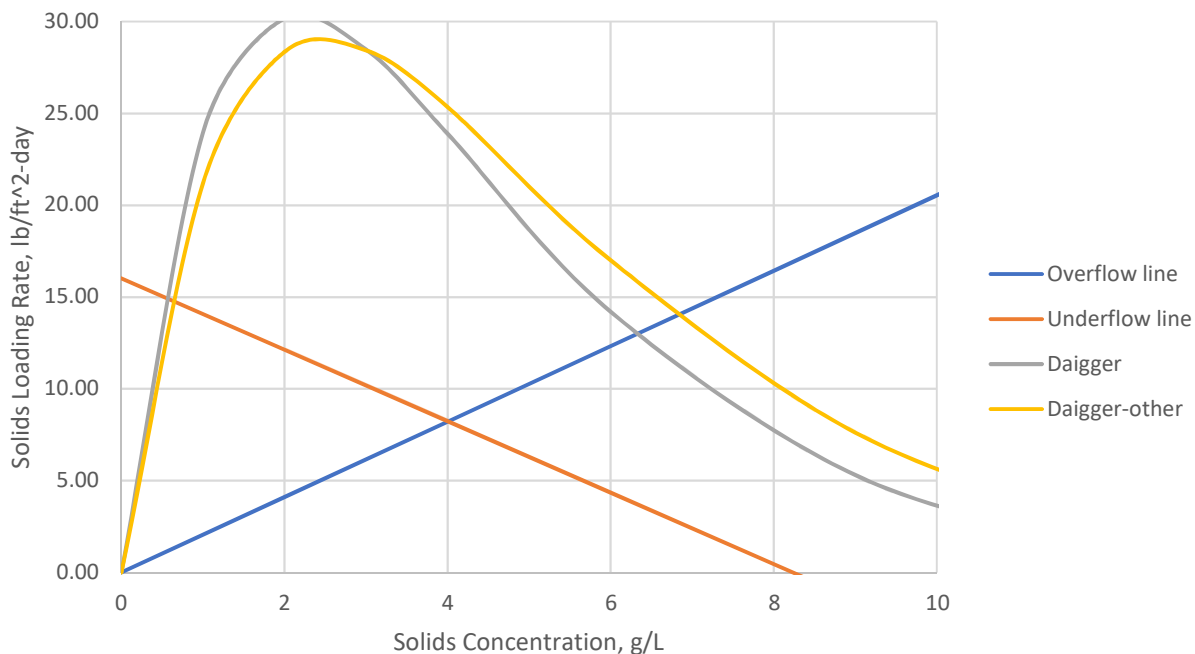
Settling data

Actual	V0	m/hr
	n	L/g
Daigger	V0	m/hr
SVI	150	n
		vg
Daigger/Ropper	V0	
SVI	150	n

Circular Clarifier size

Diameter	100	ft
State points		
N(how many clarifiers)	3	
Q(influent)	5.8	MGD
Q(influent per clarifier)	1.933333333	MGD
X(MLSS)	4	g/L
RAS flow(percent of influent)	95.00%	Percentage
SLR (lbs/sf-d)	16.02	
SUR (RAS/A)		701.91 gpd/ft^2
RSS2	7.5	gf
		7850 ft^2
		739 gpd/ft^2
		47.99 lb/ft^2 day
		5.51 mgd

Statepoint analysis



Disclaimer: Data presented above is intended for compliance assessment by the DNR compliance engineer and may not portray the true clarifier settleability performance. The graphic is strictly informational and by no means mandates or suggests operational changes to the plant if the statepoint lies outside the solids flux curve. If the facility wishes to make operational changes based on this information, the facility should develop their own solids flux curve to tailor the statepoint analysis to their facility in lieu of utilizing solids flux empirical relationships.

Solids flux axis: Solids flux is the movement of solids (MLSS) through the clarifier. The solids loading rate is one type of solids flux.

-Solids concentration axis: MLSS

-Statepoint: is the operating point of the clarifier. it is the intersection of the surface overflow rate line and the underflow rate line

Overflow rate line: Blue line Slope = Q/A

Underflow rate line (orange) slope: RAS/A

<https://www.thewastewaterblog.com/single-post/2016/06/01/clarifier-design>

[09/28/State-Point-Analysis](#)

Activated sludge process control metrics (est.)

In steady state conditions

YES

Type of plant

Conventional aeration

Date

6/15/2020

Inputs		notes	Metrics	
Influent flow (MGD)	5.36		BOD removed (lbs)	10077.222
Effluent flow (MGD)	5.54		Sludge age (days)	#NAME?
Influent BOD (mg/L)	243		F:M ratio	0.2563937
Effluent BOD (mg/L)	17		SVI	166.25
MLSS (mg/L)	4000		BOD removal eff(%)	93.00
Aeration basin Vol (MG)	1.27	3 tanks online		
WAS conc (mg/L)	7000	interpolated.		
WAS Flow (MGD)		No data available		
30 min settling test (mL/L)	665			
Desired sludge age (days)		no data available		
Effluent tss (mg/L)	6.4			
Calculated variables				
MLSS (lbs)	42367.2			
WAS (lbs)	#NAME?			
Influent BOD (lbs)	10862.6832			
Effluent BOD (lbs/day)	785.4612			

Disclaimer: Data presented above is intended solely for DNR compliance assessment to assure proper operations and maintenance of the facility and by no means suggests operational adjustments should be made.



May 21, 2020

David Erickson, Wastewater Superintendent
407 Grant Street
Wausau, WI 54403

Subject: **NOTICE OF NONCOMPLIANCE**
WPDES Permit #WI-0025739-09-1
Sanitary Sewer Overflow (May 15, 2020)

Mr. Erickson:

The purpose of this letter is to issue a Notice Of Noncompliance (NON) for violations of the above referenced WPDES Permit. **On May 15, 2020 a sanitary sewer overflow (SSO) occurred due to a blocked sanitary sewer line. SSOs are prohibited per section 6.3.1.1, WPDES Permit.**

Summary of Noncompliance:

Section 6.3.1.1. Overflows Prohibited

Any overflow or discharge or wastewater from the sewage collection system or at the sewage treatment facility, other than from permitted outfalls, is prohibited.

This SSO comes on the heels of an overflow event on April 22, 2020. The events are seemingly mutually exclusive. The Department of Natural Resources (department) realizes the COVID-19 public health emergency is affecting daily operations for many businesses and municipalities and understands the difficulty in upholding typical sewer line maintenance schedules. The department has kept this in mind in assessing the appropriate enforcement response. Based on the "SEWER BACK-UP NOTIFICATION" submitted alongside the SSO form, the Department believes the permittees response to the overflow is sufficient and compliant with section 6.3.1.2, WPDES permit.

Requested Actions:

Wausau is currently out of compliance with its WPDES Permit **and will remain in noncompliance** until all requirements of the permit are met. To achieve compliance, the department requests the following actions:

Notify the public per section 6.3.1.2, WPDES Permit:

The permittee shall notify the public of any sanitary sewer and sewage treatment facility overflows consistent with its emergency response plan required under the CMOM. At minimum, a daily newspaper of general circulation in the municipality whose water may be affected by the overflow shall be notified by written or electronic communication

- The SSO form indicated public notification of a few residents directly affected, but not to the extent necessary to be in compliance with the permit.

Please provide a written response to the department by June 21, 2020 addressing each of the required action items. Please be advised that if violations continue or if corrective action is not achieved, that the department may pursue further enforcement action. Those actions may ultimately result in a referral to the Department of Justice with potential penalties per s. 283.89, Wis. Stats.

If you have any questions or comments, please contact me at nicholas.lindstrom@wisconsin.gov or (715) 492-1787. I appreciate your cooperation in protecting our natural resources.

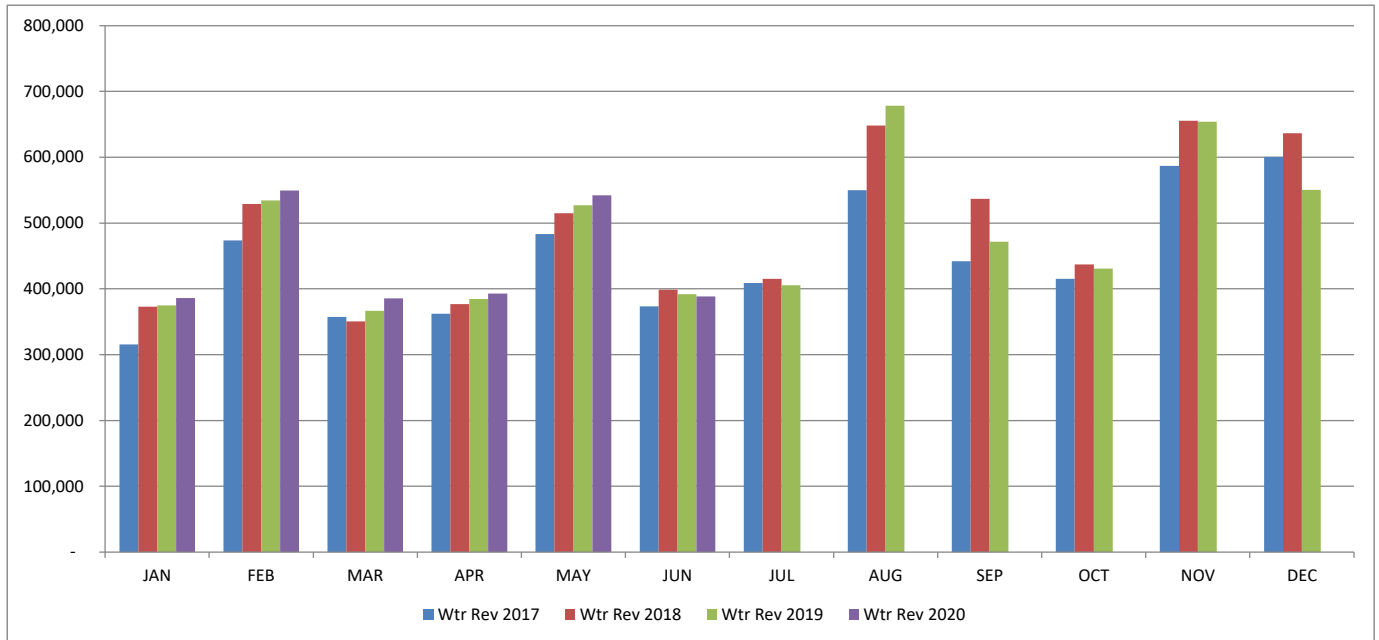
Sincerely,

Nicholas Lindstrom, WIDNR-Wastewater compliance engineer

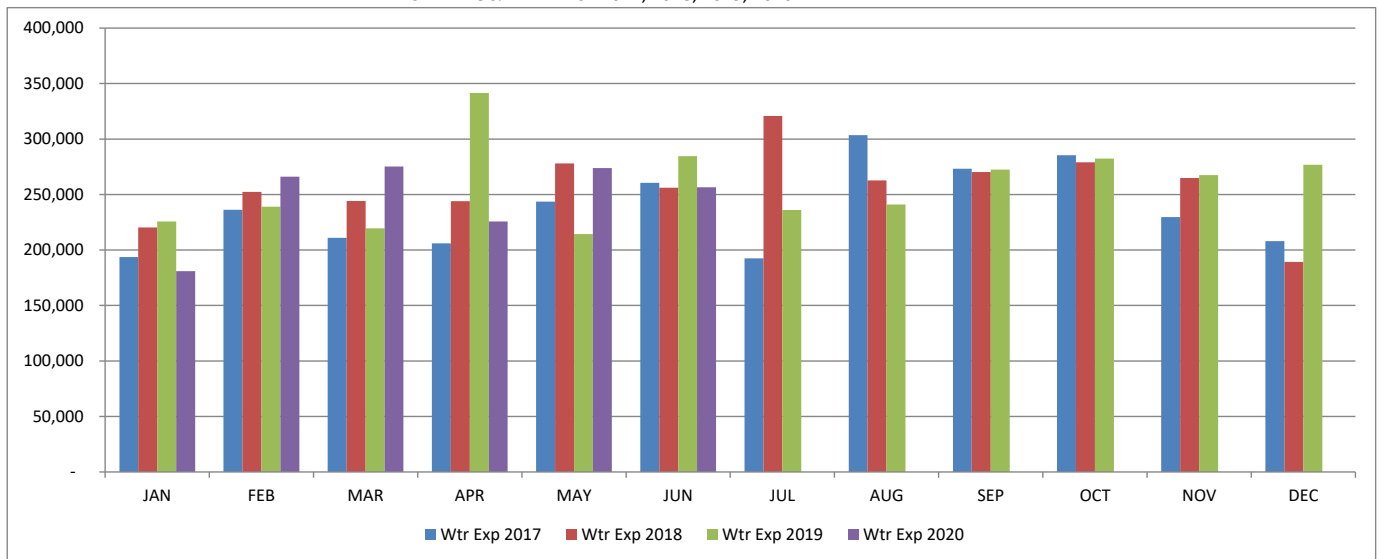
CC (email): Geisa Thielen, WIDNR- Regional Wastewater Program Supervisor
Eric Lindman, City of Wausau- Director of Public Works

WAUSAU WATER UTILITY REVENUE & EXPENSE ANALYSIS
4 YEAR COMPARISON AS OF JUNE 30, 2020

WATER UTILITY REVENUE 2017, 2018, 2019, 2020



WATER UTILITY O&M EXPENSE 2017, 2018, 2019, 2020



WATER REVENUE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
Wtr Rev 2017	315,708	473,854	357,593	362,178	483,173	373,255	409,202	549,850	441,934	415,511	586,989	600,657	5,369,904
Wtr Rev 2018	373,006	528,830	350,419	376,733	515,013	398,562	415,415	648,201	536,710	437,367	655,459	636,379	5,872,093
Wtr Rev 2019	374,991	534,366	366,893	384,442	527,047	392,107	405,744	678,575	471,771	431,064	654,108	550,559	5,771,666
Wtr Rev 2020	385,935	549,673	385,789	393,017	542,047	388,720							2,645,180
Change over Prior Yr		2.9%	5.2%	2.2%	2.8%	-0.9%							2.5%

2019 Aug
Rate Incr

2020 Jul
Rate Incr

2019 Aug
Rate Incr

2019-\$58K
Miami&Irr

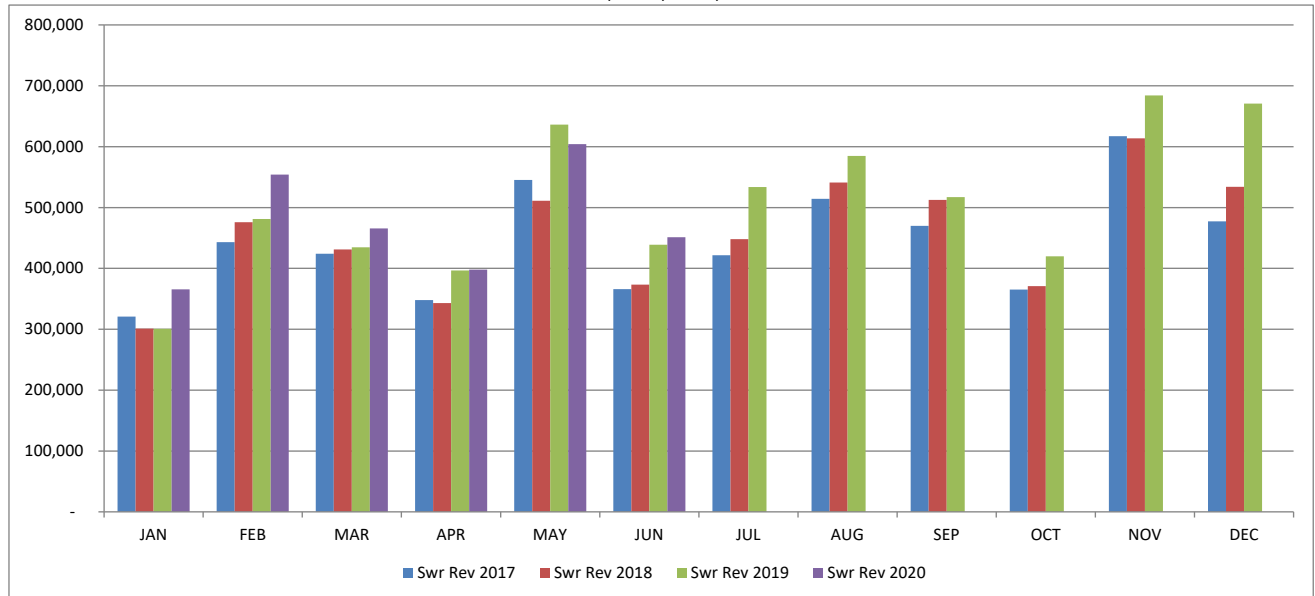
Tax Roll

WATER OP&MAINT EXP	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
Wtr Exp 2017	193,720	236,342	210,957	206,089	243,588	260,442	192,512	303,588	273,295	285,349	229,744	207,995	2,497,400
Wtr Exp 2018	220,397	252,366	244,175	243,978	278,071	256,150	320,847	262,632	270,192	279,018	264,964	189,331	3,082,119
Wtr Exp 2019	225,698	239,131	219,540	341,466	214,321	284,521	236,079	241,050	272,508	282,351	267,475	276,782	3,100,922
Wtr Exp 2020	180,879	266,005	275,178	225,683	273,876	256,450							1,478,071
Change over Prior Yr	-19.9%	11.2%	25.3%	-33.9%	27.8%	-9.9%							-3.1%

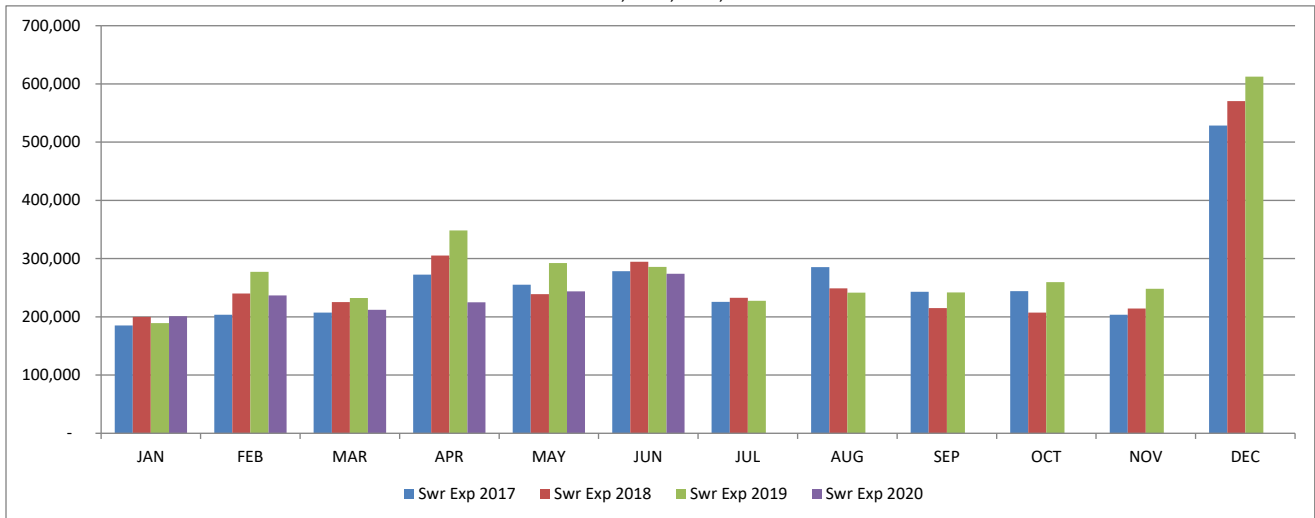
* 2019
Pilot Study
labor \$10K
contractual
srvc \$40K

WAUSAU SEWER UTILITY REVENUE & EXPENSE ANALYSIS
4 YEAR COMPARISON AS OF JUNE 30, 2020

SEWER UTILITY REVENUE 2017, 2018, 2019, 2020



SEWER UTILITY O&M EXPENSE 2017, 2018, 2019, 2020



SEWER REVENUE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
Swr Rev 2017	320,757	443,198	424,130	348,080	545,244	366,057	421,445	514,169	469,975	365,128	617,356	477,445	5,312,984
Swr Rev 2018	301,205	475,813	431,153	343,019	511,048	373,395	447,960	541,053	512,411	371,017	613,820	534,078	5,455,973
Swr Rev 2019	300,631	481,028	434,643	396,415	636,115	438,814	533,542	584,840	517,217	419,839	684,077	670,837	6,097,998
Swr Rev 2020	365,677	554,026	465,526	397,838	604,296	451,322	-	-	-	-	-	-	2,838,686
Change over Prior Yr	21.6%	15.2%	7.1%	0.4%	-5.0%	2.9%	-100.0%	-100.0%	-100.0%	-100.0%	-100.0%	-100.0%	5.6%
	End 2019				2020 decrs					2020 Rate	Tax Roll		
	Rate Incr				Indstrl &					Incr			
					PubAuth								

SEWER OP&MAINT EXP	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
Swr Exp 2017	185,280	203,569	207,148	272,576	254,998	278,322	225,788	285,215	243,169	244,006	203,707	528,399	3,132,176
Swr Exp 2018	200,090	240,192	225,336	305,188	238,844	294,728	232,575	248,929	215,114	207,301	214,232	570,689	3,193,217
Swr Exp 2019	189,059	277,260	232,249	348,348	292,492	285,586	227,457	241,503	242,073	259,724	248,202	612,461	3,456,415
Swr Exp 2020	200,999	236,715	212,016	224,784	243,581	274,074	-	-	-	-	-	-	1,392,169
Change over Prior Yr	6.3%	-14.6%	-8.7%	-35.5%	-16.7%	-4.0%	-100.0%	-100.0%	-100.0%	-100.0%	-100.0%	-100.0%	-14.3%
		2019		2019	2019 Sludge			2017		2019	2016	2016 Sludge	
		Sludge		Sludge	Hauling			Chemicals		Contrc Srv	BldgMtrl	Hndlg	
		Hauling		Hauling				& Eq Parts		+20%	SwrRprs		

Notes:

* Expenses for all years have been adjusted for monthly allocation of annual meter expense and annual central services cost



TO: Wausau Waterworks Commission

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

DATE: August 4, 2020

SUBJECT: Private Side LSL – Grant Increase from \$3,000 to \$5,000

The Utility has remaining WDNR forgivable loan funds available for private side lead service line replacement. The Commission approved an amount of up to \$3,000 per site and has established a priority list for staff to follow to utilize these funds. Currently the Utility is still sending out notices to residents along past street projects and giving them the opportunity to have their LSL replaced using these grant funds. We have had little interest and the cost of the replacement is higher due to the need for removing/replacing sidewalk. The past two years the utility has only offered these funds to residents along our street reconstruction projects and the sidewalk was not part of the owners' responsibility.

At the July meeting the Commission indicated a willingness to increase the grant amount from \$3,000 to \$5,000 per site to make this more affordable to homeowners. Staff supports this and we would recommend this be made retroactive back to July 1, 2020 to cover any residents who have begun work in July since the last Commission meeting.



TO: Wausau Waterworks Commission

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

DATE: August 4, 2020

SUBJECT: TDS Locate Requests and Permit Approval Requests

TDS (Fiber Optic Utility company and service provider) is installing fiber optic line throughout the City. They have been working with Engineering to have excavation permits approved. Each permit covers fairly large areas and when each of these permits are approved locates are called in and it has been overwhelming our utility to keep up. Permits are good for 30-days from the date they are approved and if the work is not completed the requester needs to request the permit again. For the permits issued so far none of them have been completed and TDS continues to have to renew them and call in relocates which has caused problems with us being able to keep up with the locates. Currently TDS has 16 different crews in the City working in different areas so it has been challenging to monitor them at engineering and also handling locates and relocates from the utility.

TDS has had a delay with some of their material deliveries related to their below ground vaults. Because of this they want to get another 6 permits approved and bring in another 4 crews. This will be problematic with the utility if we do not close out some of the existing approved permits first.

I am asking for the Commission to motion in support of not issuing any new permits to TDS until they close out their existing permits with the City. For every permit they close out we would issue/approve a new permit.

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

RESOLUTION OF WAUSAU WATER WORKS – WASTEWATER DIVISION

Reviewing the 2019 Compliance Maintenance Annual Report for the Wastewater Plant

Committee Action:

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

File Number:	Date Introduced: August 12, 2020
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FISCAL IMPACT SUMMARY

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

RESOLUTION

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

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

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

WHEREAS, Wausau Water Works – Wastewater Division has prepared the attached 2019 CMAR and acknowledges the point total in the report, and

WHEREAS, the City of Wausau is committed to address the actions set forth in the attached 2019 CMAR; now therefore

BE IT RESOLVED that the Common Council of the City of Wausau has reviewed the attached 2019 Compliance Maintenance Annual Report from Wausau Water Works – Wastewater Division and

hereby submits the Report as prescribed.

Approved:

Katie Rosenberg, Mayor

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
7/30/2020 **2019**

Influent Flow and Loading

1. Monthly Average Flows and BOD Loadings

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

Influent No. 701	Influent Monthly Average Flow, MGD	x	Influent Monthly Average BOD Concentration mg/L	x	8.34	=	Influent Monthly Average BOD Loading, lbs/day
January	4.2266	x	285	x	8.34	=	10,061
February	4.0666	x	302	x	8.34	=	10,251
March	5.9645	x	227	x	8.34	=	11,304
April	7.6888	x	171	x	8.34	=	10,980
May	6.4601	x	199	x	8.34	=	10,704
June	5.3578	x	206	x	8.34	=	9,186
July	5.9178	x	227	x	8.34	=	11,216
August	4.8744	x	262	x	8.34	=	10,632
September	5.4208	x	234	x	8.34	=	10,571
October	5.5093	x	234	x	8.34	=	10,750
November	4.3755	x	271	x	8.34	=	9,887
December	4.7937	x	257	x	8.34	=	10,278

2. Maximum Monthly Design Flow and Design BOD Loading

2.1 Verify the design flow and loading for your facility.

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

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

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

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
7/30/2020 **2019**

3. Flow Meter

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

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

2019-04-09

☐ No

If No, please explain:

4. Sewer Use Ordinance

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

☒ Yes

☐ No

If No, please explain:

4.2 Was it necessary to enforce the ordinance?

☒ Yes

☐ No

If Yes, please explain:

Minor issues were addressed through our pretreatment program. No violations that resulted in noticeable upsets at the wastewater plant

5. Septage Receiving

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

Septic Tanks Holding Tanks Grease Traps

☒ Yes

☒ Yes

☒ Yes

☐ No

☐ No

☐ No

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

Septic Tanks

☒ Yes 225525 gallons

☐ No

Holding Tanks

☒ Yes 6082072 gallons

☐ No

Grease Traps

☐ Yes gallons

☒ No

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

Grease accumulates on our primary clarifiers and some may be from grease traps. We need to develop a FOG program and find or provide a location that accepts waste from grease traps.

6. Pretreatment

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

☐ Yes

☒ No

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

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
7/30/2020 **2019**

6.2 Did your facility accept hauled industrial wastes, landfill leachate, etc.? ● Yes ○ No If yes, describe the types of wastes received and any procedures or other restrictions that were in place to protect the facility from the discharge of hauled industrial wastes. Village of Brokaw - WWTP Sludge (205,000 gals.), Advanced Disposal Transfer Station Rainwater (175,950 gals.), REI Monitoring Well Purge Water (7,941 gals.), WAULECO - Remediated Groundwater (10,886,978 gals.), Village of Weston Landfill Condensate (5,000 gals.), Marathon County Landfill Leachate (468,600)	
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Total Points Generated	2
Score (100 - Total Points Generated)	98
Section Grade	A

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:

7/30/2020

2019

Effluent Quality and Plant Performance (BOD/CBOD)

1. Effluent (C)BOD Results

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

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit > 10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	30	27	30	1	1	1
February	30	27	30	1	1	1
March	30	27	31	1	1	1
April	30	27	34	1	1	1
May	30	27	20	1	0	0
June	30	27	15	1	0	0
July	30	27	8	1	0	0
August	30	27	12	1	0	0
September	30	27	14	1	0	0
October	30	27	18	1	0	0
November	30	27	15	1	0	0
December	30	27	15	1	0	0

* Equals limit if limit is ≤ 10

Months of discharge/yr	12		
Points per each exceedance with 12 months of discharge		7	3
Exceedances		4	4
Points		28	12
Total number of points			40

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

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

The BOD exceedances were determined to be caused by nitrification issues. We modified operating procedures to try to maintain nitrification but the issue did not improve until the wastewater temperatures warmed up. This is a seasonal problem and we have not had any exceedances in 2020. The plant upgrades now under construction will allow us to maintain better control in future years.

2. Flow Meter Calibration

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

- ☒ Yes Enter last calibration date (MM/DD/YYYY)
2019-04-09

☐ No

If No, please explain:

3. Treatment Problems

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

Maintaining Nitrification

4. Other Monitoring and Limits

40

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:

7/30/2020

2019

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

☒ Yes

☐ No

If Yes, please explain:

We had a few instances of low pH

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

☐ Yes

☒ No

If Yes, please explain:

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

☐ Yes

☐ No

☒ N/A

Please explain unless not applicable:

Total Points Generated	40
Score (100 - Total Points Generated)	60
Section Grade	F

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:

7/30/2020

2019

Effluent Quality and Plant Performance (Total Suspended Solids)

1. Effluent Total Suspended Solids Results

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

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit >10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	30	27	6	1	0	0
February	30	27	6	1	0	0
March	30	27	13	1	0	0
April	30	27	11	1	0	0
May	30	27	6	1	0	0
June	30	27	7	1	0	0
July	30	27	5	1	0	0
August	30	27	6	1	0	0
September	30	27	7	1	0	0
October	30	27	7	1	0	0
November	30	27	6	1	0	0
December	30	27	10	1	0	0

* Equals limit if limit is ≤ 10

Months of Discharge/yr	12		
Points per each exceedance with 12 months of discharge:		7	3
Exceedances		0	0
Points		0	0
Total Number of Points		0	

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

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

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

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

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
7/30/2020 **2019**

Effluent Quality and Plant Performance (Phosphorus)

1. Effluent Phosphorus Results

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

Outfall No. 001	Monthly Average phosphorus Limit (mg/L)	Effluent Monthly Average phosphorus (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance
January	1	0.698	1	0
February	1	0.695	1	0
March	1	0.551	1	0
April	1	0.419	1	0
May	1	1.006	1	1
June	1	0.640	1	0
July	1	0.621	1	0
August	1	0.783	1	0
September	1	0.791	1	0
October	1	0.954	1	0
November	1	0.796	1	0
December	1	0.679	1	0
Months of Discharge/yr			12	
Points per each exceedance with 12 months of discharge:				10
Exceedances				1
Total Number of Points				10

10

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

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

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

Our limit is 1.0 mg/l and 1.006 rounds to 1.0, so it is not technically a violation. The problem we had in May was that our alum pump failed giving high results for 3 days and skewing our average. The system worked well, and numbers were in compliance, for the rest of the year.

Total Points Generated	10
Score (100 - Total Points Generated)	90
Section Grade	B

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
7/30/2020 2019

Biosolids Quality and Management

1. Biosolids Use/Disposal

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

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

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

1.1.1 If you checked Other, please describe:

2. Land Application Site

2.1 Last Year's Approved and Active Land Application Sites

2.1.1 How many acres did you have?

4294.10 acres

2.1.2 How many acres did you use?

313.3 acres

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

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

o Yes (30 points)

● No

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

● Yes

o No (10 points)

o N/A

3. Biosolids Metals

Number of biosolids outfalls in your WPDES permit:

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

Outfall No. 002 - CAKE SLUDGE

Parameter	80% of Limit	H.Q. Limit	Ceiling Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80% Value	High Quality	Ceiling
Arsenic		41	75			5.22			<4.71		<5.52		<2.91				0	0
Cadmium		39	85			.72			.757		.683		.798				0	0
Copper		1500	4300			369			453		402		353				0	0
Lead		300	840			23.8			23		28.3		26.2				0	0
Mercury		17	57			.51			.541		.915		.405				0	0
Molybdenum	60		75			15.2			16		18.8		19.3			0		0
Nickel	336		420			23.9			33.4		<.561		<.295			0		0
Selenium	80		100			<3.23			<10.3		<12		<6.36			0		0
Zinc		2800	7500			580			662		640		555				0	0

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

Exceedence Points

● 0 (0 Points)

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
7/30/2020 **2019**

- ☐ 1-2 (10 Points)
- ☐ > 2 (15 Points)
- 3.1.2 If you exceeded the high quality limits, did you cumulatively track the metals loading at each land application site? (check applicable box)
 - ☐ Yes
 - ☐ No (10 points)
 - N/A - Did not exceed limits or no HQ limit applies (0 points)
 - ☐ N/A - Did not land apply biosolids until limit was met (0 points)
- 3.1.3 Number of times any of the metals exceeded the ceiling limits = 0
Exceedence Points
 - 0 (0 Points)
 - ☐ 1 (10 Points)
 - ☐ > 1 (15 Points)
- 3.1.4 Were biosolids land applied which exceeded the ceiling limit?
 - ☐ Yes (20 Points)
 - No (0 Points)
- 3.1.5 If any metal limit (high quality or ceiling) was exceeded at any time, what action was taken? Has the source of the metals been identified?

0

4. Pathogen Control (per outfall):

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

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2019 - 03/31/2019
Density:	19,511
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	No
Process:	Anaerobic Digestion
Process Description:	Primary and Secondary Anaerobic Digestion

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	04/01/2019 - 06/30/2019
Density:	17,842
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Primary and Secondary Anaerobic Digestion

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
7/30/2020 **2019**

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	07/01/2019 - 09/30/2019
Density:	25,388
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Primary and Secondary Anaerobic Digestion

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	10/01/2019 - 12/31/2019
Density:	47,788
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Primary and Secondary Anaerobic Digestion

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

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

☐ Yes (40 Points)

☒ No

If yes, what action was taken?

5. Vector Attraction Reduction (per outfall):

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

Outfall Number:	002
Method Date:	03/14/2019
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	No
Limit (if applicable):	>= 38
Results (if applicable):	41.50

Outfall Number:	002
Method Date:	06/06/2019
Option Used To Satisfy Requirement:	Volatile Solids Reduction
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	>= 38
Results (if applicable):	66.10

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
7/30/2020 **2019**

Outfall Number:	002	0
Method Date:	08/15/2019	
Option Used To Satisfy Requirement:	Volatile Solids Reduction	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):	>=38	
Results (if applicable):	66	
Outfall Number:	002	0
Method Date:	10/01/2019	
Option Used To Satisfy Requirement:	Volatile Solids Reduction	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):	>=38	
Results (if applicable):	53.50	
5.2 Was the limit exceeded or the process criteria not met at the time of land application? ☐ Yes (40 Points) ☒ No If yes, what action was taken?		
6. Biosolids Storage 6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site? ☒ >= 180 days (0 Points) ☐ 150 - 179 days (10 Points) ☐ 120 - 149 days (20 Points) ☐ 90 - 119 days (30 Points) ☐ < 90 days (40 Points) ☐ N/A (0 Points) 6.2 If you checked N/A above, explain why.		
7. Issues 7.1 Describe any outstanding biosolids issues with treatment, use or overall management: Wet weather interfered with sludge spreading in the fall of 2018 so some biosolids were landfilled in early 2019. Weather conditions were better in the spring and fall of 2019.		

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

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:

7/30/2020

2019

Staffing and Preventative Maintenance (All Treatment Plants)

1. Plant Staffing 1.1 Was your wastewater treatment plant adequately staffed last year? ● Yes ○ No If No, please explain: Could use more help/staff for: 1.2 Did your wastewater staff have adequate time to properly operate and maintain the plant and fulfill all wastewater management tasks including recordkeeping? ● Yes ○ No If No, please explain:	
2. Preventative Maintenance 2.1 Did your plant have a documented AND implemented plan for preventative maintenance on major equipment items? ● Yes (Continue with question 2) ☐☐ ○ No (40 points)☐☐ If No, please explain, then go to question 3: 2.2 Did this preventative maintenance program depict frequency of intervals, types of lubrication, and other tasks necessary for each piece of equipment? ● Yes ○ No (10 points) 2.3 Were these preventative maintenance tasks, as well as major equipment repairs, recorded and filed so future maintenance problems can be assessed properly? ● Yes ○ Paper file system ○ Computer system ● Both paper and computer system ○ No (10 points)	0
3. O&M Manual 3.1 Does your plant have a detailed O&M and Manufacturer Equipment Manuals that can be used as a reference when needed? ● Yes ○ No	
4. Overall Maintenance /Repairs 4.1 Rate the overall maintenance of your wastewater plant. ○ Excellent ○ Very good ● Good ○ Fair ○ Poor Describe your rating: Two additional employees were approved for 2020	

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
7/30/2020 **2019**

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

Compliance Maintenance Annual Report

Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
7/30/2020 **2019**

Operator Certification and Education

1. Operator-In-Charge

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

- Yes (0 points)
- No (20 points)

Name:

DAVID A ERICKSON

Certification No:

34268

0

2. Certification Requirements

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

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

2.2 Was the operator-in-charge certified at the appropriate level and subclass(es) to operate this plant? (Note: Certification in subclass SS, N and A5 not required in 2019; subclass SS is basic level only.)

- Yes (0 points)
- No (20 points)

0

3. Succession Planning

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

- ☒ One or more additional certified operators on staff
- ☐ An arrangement with another certified operator
- ☐ An arrangement with another community with a certified operator
- ☐ An operator on staff who has an operator-in-training certificate for your plant and is expected to be certified within one year
- ☐ A consultant to serve as your certified operator
- ☐ None of the above (20 points)

If "None of the above" is selected, please explain:

0

4. Continuing Education Credits

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Wausau Water Works Ww Treatment Facility

Last Updated: Reporting For:
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4.1 If you had a designated operator-in-charge, was the operator-in-charge earning Continuing Education Credits at the following rates?

OIT and Basic Certification:

- Averaging 6 or more CECs per year.
- Averaging less than 6 CECs per year.

Advanced Certification:

- Averaging 8 or more CECs per year.
- Averaging less than 8 CECs per year.

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

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Financial Management

1. Provider of Financial Information		
Name:	Valerie Swanborg	
Telephone:	(715) 261-6646	(XXX) XXX-XXXX
E-Mail Address (optional):	valerie.swanborg@ci.wausau.wi.us	
2. Treatment Works Operating Revenues		
2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?		
● Yes (0 points) ☐		
○ No (40 points)		
If No, please explain:		
2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?		
Year: 2019		0
● 0-2 years ago (0 points) ☐		
○ 3 or more years ago (20 points) ☐		
○ N/A (private facility)		
2.3 Did you have a special account (e.g., CWFPP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?		
● Yes (0 points)		
○ No (40 points)		
REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]		
3. Equipment Replacement Funds		
3.1 When was the Equipment Replacement Fund last reviewed and/or revised?		
Year: 2019		
● 1-2 years ago (0 points) ☐		
○ 3 or more years ago (20 points) ☐		
○ N/A		
If N/A, please explain:		
3.2 Equipment Replacement Fund Activity		
3.2.1 Ending Balance Reported on Last Year's CMAR		\$ 1,758,783.01
3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)		\$ 0.00
3.2.3 Adjusted January 1st Beginning Balance		\$ 1,758,783.01
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)		\$ 139,408.12
		+

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

\$ 0.00

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

\$ 1,898,191.13

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

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

None

3.3 What amount should be in your Replacement Fund? \$ 1,587,052.00

0

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

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

● Yes

○ No

If No, please explain.

4. Future Planning

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

● Yes - If Yes, please provide major project information, if not already listed below. ☐ ☐

○ No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	Northwestern Lift Station	200000	2021
2	Sewer Sliplining (annual)	425000	2020
3	Crocker St. Lift Station	200000	2021
4	Lift Station Forcemain Cleaning	200000	2020
5	Interceptor Line MH Reconstruction	750000	2021
6	Airport Lift Station Bar Screen	300000	2020
7	Plant Upgrade Project	20000000	2020
8	Plant Upgrade Project	30000000	2021
9	Plant Upgrade Project	30000000	2022
10	Industrial Park LS Pump Addition	400000	2020

5. Financial Management General Comments

We have started a major plant upgrade that is expected to be completed 2022

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

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

COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations: 25

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	46,342	94
February	43,522	90
March	47,105	76
April	42,986	89
May	38,462	93
June	29,496	27
July	28,998	32
August	25,906	25
September	23,854	25
October	25,456	28
November	40,804	135
December	40,203	139
Total	433,134	853
Average	36,095	71

6.1.2 Comments:

6.2 Energy Related Processes and Equipment

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

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

6.2.2 Comments:

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

● No

○ Yes

Year:

By Whom:

Describe and Comment:

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6.4 Future Energy Related Equipment

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

Upgrade pumps and controls, install VFDs, clean force mains

7. Treatment Facility

7.1 Energy Usage

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

TREATMENT PLANT: Total Power Consumed/Month

	Electricity Consumed (kWh)	Total Influent Flow (MG)	Electricity Consumed/ Flow (kWh/MG)	Total Influent BOD (1000 lbs)	Electricity Consumed/ Total Influent BOD (kWh/1000lbs)	Natural Gas Consumed (therms)
January	130,712	131.02	998	311.89	419	14,728
February	113,291	113.86	995	287.03	395	14,538
March	122,725	184.90	664	350.42	350	11,118
April	129,517	230.66	562	329.40	393	7,830
May	178,984	200.26	894	331.82	539	5,386
June	195,945	160.73	1,219	275.58	711	2,595
July	162,024	183.45	883	347.70	466	1,183
August	184,457	151.11	1,221	329.59	560	1,336
September	180,348	162.62	1,109	317.13	569	482
October	129,055	170.79	756	333.25	387	2,721
November	116,169	131.27	885	296.61	392	8,542
December	110,033	148.60	740	318.62	345	10,136
Total	1,753,260	1,969.27		3,829.04		80,595
Average	146,105	164.11	911	319.09	461	6,716

7.1.2 Comments:

7.2 Energy Related Processes and Equipment

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

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

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7.2.2 Comments:

7.3 Future Energy Related Equipment

7.3.1 What energy efficient equipment or practices do you have planned for the future for your treatment facility?

Replace boilers, VFDs, Biogas Controls

8. Biogas Generation

8.1 Do you generate/produce biogas at your facility?

☐ No

☒ Yes

If Yes, how is the biogas used (Check all that apply):

☒ Flared Off

☒ Building Heat

☒ Process Heat

☒ Generate Electricity

☐ Other:

9. Energy Efficiency Study

9.1 Has an Energy Study been performed for your treatment facility?

☒ No

☐ Yes

☐ Entire facility

Year:

By Whom:

Describe and Comment:

☐ Part of the facility

Year:

By Whom:

Describe and Comment:

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

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Sanitary Sewer Collection Systems

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

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

- ☒ Yes
- ☐ No

If No, explain:

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

- ☒ Yes
- ☐ No (30 points)
- ☐ N/A

If No or N/A, explain:

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

☒ Goals [NR 210.23 (4)(a)]

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

Replace Siphon Lines, Clean Industrial Park force main

Did you accomplish them?

- ☐ Yes
- ☒ No

If No, explain:

Sturgeon Eddy Siphon replaced, Thomas Street Siphon to be replaced in 2020, working on easements for Industrial Park force main

☒ Organization [NR 210.23 (4) (b)] ☐ ☐

Does this chapter of your CMOM include:

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

☒ Legal Authority [NR 210.23 (4) (c)]

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

Wausau Municipal Code Ch 13

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

2020-06-09

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

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

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

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

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

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☒ A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation

☒ A description of routine operation and maintenance activities (see question 2 below)

☐ Capacity assessment program

☒ Basement back assessment and correction

☒ Regular O&M training

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

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

☒ State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements

☒ Construction, Inspection, and Testing

☐ Others:

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

Does your emergency response capability include:

☒ Responsible personnel communication procedures

☒ Response order, timing and clean-up

☒ Public notification protocols

☐ Training

☐ Emergency operation protocols and implementation procedures

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

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

☐ Infiltration/Inflow (I/I) Analysis

☐ Sewer System Evaluation Survey (SSES)

☐ Sewer Evaluation and Capacity Management Plan (SECAP)

☐ Lift Station Evaluation Report

☐ Others:

0

2. Operation and Maintenance

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

Cleaning % of system/year

Root removal % of system/year

Flow monitoring % of system/year

Smoke testing % of system/year

Sewer line televising % of system/year

Manhole inspections % of system/year

Lift station O&M # per L.S./year

Manhole rehabilitation % of manholes rehabbed

Mainline rehabilitation % of sewer lines rehabbed

Private sewer inspections % of system/year

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Private sewer I/I removal % of private services

River or water crossings % of pipe crossings evaluated or maintained

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

Sturgeon Eddy Siphon replaced, Thomas Street siphon to be replaced in 2020

3. Performance Indicators

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

48.2	Total actual amount of precipitation last year in inches
32.4	Annual average precipitation (for your location)
232	Miles of sanitary sewer
25	Number of lift stations
1	Number of lift station failures
1	Number of sewer pipe failures
20	Number of basement backup occurrences
77	Number of complaints
	Average daily flow in MGD (if available)
	Peak monthly flow in MGD (if available)
	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

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

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED **

	Date	Location	Cause	Estimated Volume (MG)
0	5/23/2019 2:30:00 PM - 5/23/2019 4:00:00 PM	Intersection of Central Drive and Sherman Road (44.95083, -89.68168)	Plugged Sewer	0.0006 - 0.0006

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

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

Replace Trails End Lift Station force main planned for 2021

5. Infiltration / Inflow (I/I)

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

- ☒ Yes
☐ No

If Yes, please describe:

Flow increases significantly with spring thaw and storm events

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

☐ Yes

☒ No

If Yes, please describe:

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

I&I has remained relatively unchanged

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

I&I Study scheduled for 2020

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

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Grading Summary

WPDES No: 0025739

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Influent	A	4	3	12
BOD/CBOD	F	0	10	0
TSS	A	4	5	20
Phosphorus	B	3	3	9
Biosolids	A	4	5	20
Staffing/PM	A	4	1	4
OpCert	A	4	1	4
Financial	A	4	1	4
Collection	A	4	3	12
TOTALS			32	85
GRADE POINT AVERAGE (GPA) = 2.66				

Notes:

A = Voluntary Range (Response Optional)

B = Voluntary Range (Response Optional)

C = Recommendation Range (Response Required)

D = Action Range (Response Required)

F = Action Range (Response Required)

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Resolution or Owner's Statement

Name of Governing
Body or Owner:

Wausau Water Works

Date of Resolution or
Action Taken:

2020-08-12

Resolution Number:

Date of Submittal:

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

Influent Flow and Loadings: Grade = A

Effluent Quality: BOD: Grade = F

The wastewater plant has frequently struggled with nitrification issues that cause artificially high BOD results. It was a particular problem in 2019 because of very cold temperatures in January and the problem did not resolve until water warmed up in May. We have not had a serious problem during the winter of 2020 and the new plant upgrades will provide much better control when completed in 2022 or 2023.

Effluent Quality: TSS: Grade = A

Effluent Quality: Phosphorus: Grade = B

The problem we had in May of 2019 was caused by a pump failure that was resolved within 3 days. The system worked well during the rest of the year.
The plant upgrade will include replacing that pump and the SCADA monitoring.

Biosolids Quality and Management: Grade = A

Staffing: Grade = A

Operator Certification: Grade = A

Financial Management: Grade = A

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

The force main at the Trails End Lift station ruptured on April 23, 2019. It was promptly repaired but this is the second time we have had a problem with it. We are planning to replace as time and our budget allows.

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

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

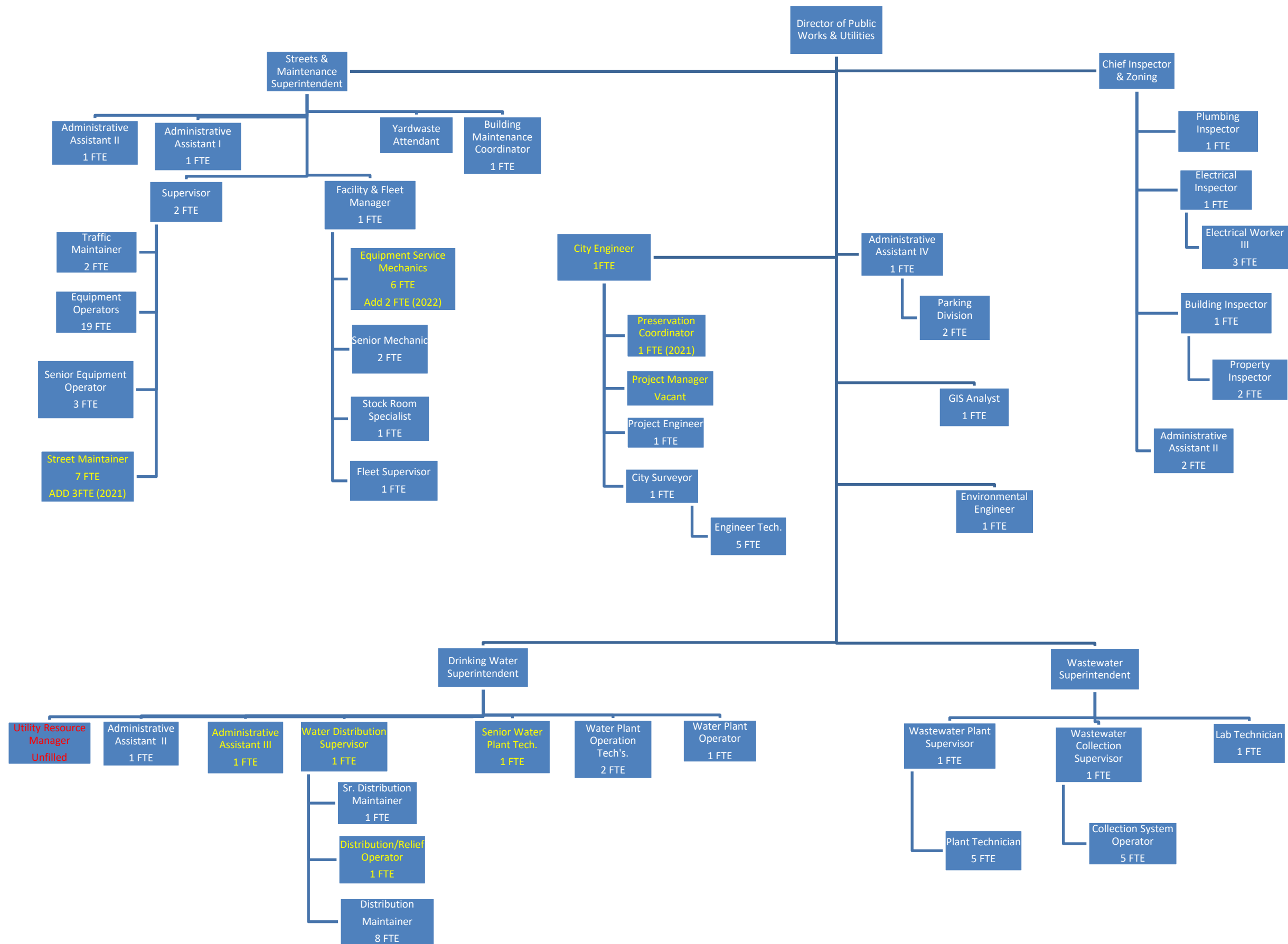
G.P.A. = 2.66

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The wastewater plant has performed well for us but we recognize it has some aging issues. The plant upgrade currently in progress is extensive and will be completed in 2023.





TO: Wausau Waterworks Commission

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

DATE: August 4, 2020

SUBJECT: Loss of CDL Policy

Currently most of the positions with the utility require a CDL as part of their job description and minimum qualifications. The City is silent or has no policy related to employees who are required to have a CDL and it is suspended/revoked due to a citation/offense. Currently the utility has an employee with a suspended CDL and this has not created any issues with the employee being able to work or the utility having plenty of work for the employee to do. My understanding is when this happened in the past it was covered under the union before Act 10 or it was not an issue to keep the employee as long as it did not create a hardship on the utility.

One of the options currently was since the employee's minimum qualifications requires the CDL and now that it is suspended the employee should be let go. Creating a policy for this situation would be beneficial for the utility and allow us as administrators to treat all employees equally. I have attached the current Loss of Commercial Driver's License policy from the Marathon County Highway Department, their drivers are also required to hold a CDL as part of their job description. They have developed a policy to handle the specific situation of an employee's CDL suspension/revocation. The attached also shows some of my proposed changes to make it specific for Wausau Waterworks.

Staff is seeking the commission's approval to adopt a policy, similar to the Marathon County Highway Policy, for suspended/revoked CDL's.

***Marathon County
Highway Department
Operations Guidelines***



Mission Statement:

**The Marathon County Highway Department
will strive to maintain all
State and County highways in a safe and
reasonable condition at all times.**

Revised January 8, 2020

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Highway Department Salary Schedule effective January 1, 2018.	Error! Bookmark not defined.

Marathon County Highway Department Core Values

*Employees must follow all Marathon County
Mission Statements and Department Core Values*

We know we are living the core value of **Service** when we:

- ☛ Maintain the traveled way in the best possible condition.
- ☛ Respond to the public's inquiries and complaints in a courteous and prompt manner.
- ☛ Display good on the job work attitudes and practices in and out of public view.
- ☛ Observe road sections and signage for hazardous conditions (potholes, debris, etc.) and correct problem or report problem to supervisor whether it's your section or someone else's assigned section.

We know we are living the core value of **Integrity** when we:

- ☛ Value and Trust all employees to perform duties as required.
- ☛ Utilize a team approach for problem solving.
- ☛ Treat people as we'd like to be treated - with respect.

We know we are living the core value of **Quality** when we:

- ☛ Treat County equipment as if it were our own.
- ☛ Provide the best possible service.
- ☛ Keep informed on up-to-date practices and procedures.
- ☛ Do it right the first time.



We know we are living the core value of **Diversity** when we:

- ☛ Actively welcoming and valuing people with different perspectives and experiences.
- ☛ Treat the public and employees with respect.
- ☛ Willingly try new methods and products and evaluate success.
- ☛ Take the time to explain why decisions are made.

We know we are living the core value of **Shared Purpose** when we:

- ☛ Work together with other County Departments to make Marathon County the healthiest, safest and most prosperous County in Wisconsin.
- ☛ Have thorough knowledge of the County's mission and philosophy and carry it out on a daily basis.
- ☛ Communicate and cooperate with coworkers so we function as efficient teams.

We know we are living the core value of **Stewardship of Resources** when we:

- ☛ Recognize the effect our actions have on our financial resources and the environment.
- ☛ Plan our work to meet our goals efficiently.
- ☛ Provide training opportunities to increase our skills and awareness.

Hours of Work

Day Shift

1. Typical hours of operation are 7:00 AM – 3:00 PM, Monday – Friday from the first Monday after Labor Day through the week before the first Monday in April. The shift typically includes two 10 minute paid rest break.
2. Typical hours of operation are 6:00 AM – 4:00 PM, Monday – Thursday from the first Monday in April through the Thursday after Labor Day. The shift typically includes two 10 minute paid rest breaks.

Night Shift

1. Typical hours of operation are 3:00 PM – 11:00 PM, Monday – Friday from the first Monday after Labor Day through the week before the first Monday in April. The shift typically includes a 10 minute rest break at approximately 6:00 PM.
2. Typical hours of operation are 2:00 PM – 12:00 AM, Monday – Thursday from the first Monday in April through the Thursday after Labor Day. The shift typically includes two 10 minute rest breaks.
3. The night shift Highway Patroller/Janitor will typically work days during the construction season. The Patroller/Janitor duties should be completed by a seasonal employee during the construction season. The Patroller/Janitor should receive a two week notice of when the shift change will occur. Shift to days will be approximately May 1st and the shift to nights will be approximately October 1st; these dates are dependent on the availability of seasonal employees.

Management reserves the rights to change typical working hours pending work load, weather conditions or any other circumstances which may arise.

Travel Time/Mileage Reimbursement

1. An employee may be assigned to report directly to a job site or a different shop and will not be paid for travel time to and from the site. If the distance is greater than the normal distance from his/her home to their normally assigned location, the county will reimburse the employee at the current Marathon County mileage rate for the difference traveled on a round trip basis. This does not apply for volunteer overtime work (signing for overtime list), volunteers for temporary assignments to other shops or winter maintenance.
2. To qualify for the mileage reimbursement, you must submit proper insurance documentation, incur a minimum of 20 eligible miles during a one week period (Sunday 12:00 AM – Saturday 11:59 PM) and submit your reimbursement within 2 weeks of the incurred mileage expense.
3. Forms for the reimbursement are located at the front desk.

Overtime

1. In accordance with Marathon County Highway policy, Overtime shall be paid at a rate of 1 ½ times your normal hourly rate for all hours worked in excess of your assigned work day. Assigned work days are usually:
 - a. Winter Hours Day Shift (Eight Hour Days)
 - 7:00 AM – 3:00 PM
 - b. Winter Hours Night Shift (Eight Hour Days)
 - 2:00 PM – 10:00 PM
 - c. Summer Hours Day Shift (10 hour Days)
 - 6:00 AM – 4:00 PM
 - d. Summer Hours Night Shift (10 hour Days)
 - 2:00 PM – 12:00 AM
2. Employees shall be paid at time and one-half for hours worked on holidays or the observed holiday in addition to their holiday pay
3. Employees are allowed to have more than 40 hours paid during a week if they use PTO, vacation, PAL, sick or comp time and subsequently get called in for work outside of the usual work day.
4. Employees will not receive time and one-half for training hours outside your usual work hours unless previously approved by supervisor.
5. Night shift employee's hours may be moved without time and one half due to special conditions, this will be agreed upon by both parties prior to shift change.
6. Employees responding to emergency weekend callout (Saturday & Sunday) and Holidays and observed holiday will receive \$25.00 call in pay per event.

Winter Reward Time Off (RTO) and Winter Availability Pay

Between November 1st and April 15th

1. Patrolmen who are only unavailable for 0-7 weekend days will receive 8 hours of RTO.
2. Patrolmen who are only unavailable for 8-11 weekend days will receive 4 hours of RTO.
3. Non-patrolmen who sign the Volunteer Overtime List and come in when called for 20 weekend days will receive 8 hours of RTO.
4. Non-patrolmen who sign the Volunteer Overtime List and come in when called for 16 weekend days will receive 4 hours of RTO

Out of Classification Pay

When an employee is assigned higher level work for a period of 60 consecutive days or more that employee may be eligible for an additional \$0.35 hour, i.e. screed operator during the paving season would be eligible for \$0.35/hour added to their base pay.

Lead Worker

Employees assigned to Lead Worker responsibilities shall be compensated an additional \$2.00 per hour for all hours paid, except for hours worked when snow plowing. Lead Workers may be assigned for summer seasonal work only from about May to October, or may be assigned as Lead Workers year round based on the needs of the department.

The selection process for Lead Worker shall be at the sole discretion of the Highway Commissioner. A Lead Worker assignment shall not be considered permanent. The employee assigned may opt out of the assignment at any time via written notice to the Highway Commissioner. The Highway Commissioner may remove the employee from the assignment at any time via written notice to the employee. The additional lead worker pay shall stop when the assigned employee leaves the lead worker assignment.

Call Time

Two (2) hours straight time shall be the minimum pay an employee shall receive for responding to any call for duty by the employer.

Winter Maintenance/Emergency Scheduling:

1. The Section Worker will normally be called in first for winter maintenance/emergencies on his/her section.
2. Employees will let management know as soon as possible if they are not going to be available to work. Patrolmen unavailable for the weekend must sign the unavailable list on the Wednesday prior to that weekend; Deadline is 3:30 p.m. during winter hours and 4:00 p.m. during summer hours.
3. A weekly volunteer overtime list will be posted in the shops located in Wausau and Stratford. Employees in these two shops need to sign the list by Wednesday quitting time for the upcoming week. Employees in the other three outlying shops are to call the Wausau shop by Wednesday quitting time to relate both their interest and which days they are available the following week. This list is primarily for winter maintenance and emergencies, but may also be used for overtime work as needed throughout the year. Management will use this list as a tool for finding available personnel.
4. The volunteer overtime list will be used first to fill open sections. The volunteer overtime list must be signed by the end of the workday on Wednesdays. Volunteers will be selected according to seniority and shop selection to fill open sections. Replacement drivers will be notified prior to the weekend. A replacement will be assigned to a section and be called out only if that section needs to be called out.
5. A rotating 5 person backup team will be assigned for one week periods beginning Monday Morning to fill any vacant sections still unfilled. This will typically be posted at

the Fall Roadeo Training day. The backup positions will run from the first full week in November to the last full week of April. People will be assigned according to location from shop, by least senior to most senior.

6. It will be the responsibility of the employee on the backup team to switch with another employee or find a replacement. A weekend replacement form must be filled out and signed by both parties. The replacement form must be handed in to a supervisor prior to Wednesday 3:30 PM.
7. Unexcused absence for patrolmen, volunteer list and backups will be recorded and reviewed after 2 incidents.

Paid Time Off (PTO):

1. PTO referenced in this section refers to the following banks of paid time off; PTO, vacation, comp time and perfect attendance leave (PAL).
2. PTO may be used in no less than fifteen minute increments (1/4 hour).
3. Scheduling of the PTO periods and the number and classifications of employees on PTO at any given period shall be determined by the Department.
4. No more than two (2) consecutive weeks shall be taken unless the Highway Commissioner approves a longer period.
5. PTO preference shall be selected on the basis of seniority and job classification (i.e if all Mechanics have seniority, the most senior mechanics will be granted vacation to maintain minimum staffing). Peak weeks for PTO will have a deadline for requesting time off; failure to turn in request may forfeit PTO eligibility. Peak weeks are the Fourth of July week, Thanksgiving week and Christmas/New Year's week.
6. During non-peak weeks, time off can be approved by submitting a vacation request to your supervisor.
7. PTO may be denied by management due to staffing needs.
8. Sick leave may only be used for Family Medical Leave Act (FMLA) qualifying events. All FMLA events **must** be coordinated through the Employee Resources Office. As early as possible, employees must contact their office at 715-261- 1451 if sick leave is planned to be used. Sick leave cannot be used if FMLA paperwork is not properly completed.
9. PTO Accrual – see table below

Years of Continuous Service	Biweekly Accrual	Annual Accrual Hours	Annual Accrual Days	Maximum Eligible Hours to be Paid Out	Maximum Accumulation Hours
0-4	6.1538	160	20	200	320
5-9	7.0769	184	23	224	320
10-14	8.0000	208	26	248	320
15-19	8.9230	232	29	272	320
20+	9.8461	256	32	296	320

Compensatory Time

1. Compensatory time may be banked after an employee has worked 40 hours in a pay period or when an employee is called in to work on a Holiday. Time accumulates at time and one-half of hours worked.
2. When using compensatory time employees must take the **full day off**. If an employee does not have sufficient time in their compensation time bank to take a full day off, they may combine their compensatory time with vacation, PTO or perfect attendance leave.
3. Employees will be allowed to accumulate a maximum 160 hours compensatory time bank.
 - a. 60 hours will be allowed to be utilized annually for paid time off.
 - b. Additional hours will be allowed to be utilized for paid time off for events that meet the requirements to qualify for FMLA.
4. Compensatory Time will be paid at the employee's base wage rate.

Paid Holidays

New Year's Day
Memorial Day (10 hour day)
Fourth of July (10 hour day)
Labor Day (10 hour day)

Thanksgiving Day
Day after Thanksgiving
Christmas Day

In lieu of holidays on Christmas Eve and New Year's Eve, employees will have two floating holidays (8 hours of time each). These floating holidays must be used for taking a full day off and they must be used annually prior to Thanksgiving. Scheduling use of floating holidays is the same as PTO, however floating holidays can't be used in weeks where you exceed 40 hours paid.

Funeral Leave

In the event of a death in the current immediate family of a regular full-time employee, the employee may request funeral leave from the department and upon such request be granted up to three (3) working days with pay. Immediate family for the purposes of this Section, shall mean the employee's: spouse, children, daughter-in-law, son-in-law, grandchildren, parents, brother, sister, mother-in-law, father-in-law or any person who has resided with the employee immediately preceding the person's death. The definition of immediate family includes step-relatives.

An employee may receive up to four (4) hours of paid funeral leave to attend funeral activities due to the death of a current County employee. Employees desiring funeral leave shall promptly request funeral leave from their supervisor. Supervisors should try to approve these requests keeping in mind the operational needs of the department.

Job Posting

1. Job vacancies will be posted internally for a period of five (5) working days. Selection will be based on candidates' qualifications, job performance and seniority. Consideration will be given to the most qualified candidate. Seniority will also be a consideration in determining the most qualified candidate.
2. The County shall post on the bulletin boards the name of the employee who is awarded a posted job.
3. There shall be a ten (10) working day trial period for any employee posting into a new position in the Highway Department where the employee may exercise the option of returning to the employee's former position.
4. Employees filling promotional vacancies shall typically be on an introductory period for thirty (30) days. This period may be extended by management.
5. If at the end of the introductory period it is determined the employee does not satisfactorily meet the requirements for the job, the employee will be assigned to a vacant position or to Maintenance Technician status.

The County reserves the right to make immediate temporary assignments to fill any vacancy during the posting period.

Safety Shoes/Clothing/Tool Allowance

Employees must wear safety shoes that meet ANSI-75 specifications while performing work for the County. Employees will be reimbursed by the County a maximum of one-hundred – twenty five (\$125) annually for safety shoe/ tool/ or work clothes purchase(s). For an employee whose employment ends prior to November 1st, the reimbursement will be pro-rated on a quarterly basis for actual time employed with the Department.

A signed original receipt of purchase must be presented to the Highway Commissioner and approved for reimbursement(s). Clothing must be appropriate for the job. This payment will be made in the last pay period of November. Receipts must be turned in by November 1st of that year.

The positions listed below will be provided with seven uniforms paid for by the Department. Other employees may obtain uniforms at the employee's cost. Employees may make changes to uniform elections periodically, based on the current contract with uniform suppliers.

- | | |
|-------------------------------|------------------|
| • Equipment Services Worker | • Welder |
| • Equipment Services Mechanic | • Paver crew (3) |
| • Bridge Crew (Trades Tech.) | • Hot Roller |
| • Highway Custodian/Patroller | • Operator |

Supplemental Employment

Employees are allowed to hold a supplementary job as long as it does not interfere with their job responsibilities in their County employment. Employees in an allocated position shall notify their department head in writing prior to engaging in full or part-time employment with another employer or a personal business enterprise. The department head may refuse to authorize supplementary employment if it is expected to interfere with the performance of the employee's regular job duties or if the supplementary employment presents a conflict of interest. Questions should be directed to the Employee Resources Director.

Employees are not allowed to conduct business related to outside employment while on County paid time, nor is an employee permitted to use County equipment or supplies in the performance of outside employment duties unless prior approval from supervisor.

Department heads are responsible for having employees with supplementary employment update this request form annually. A copy of the completed request form shall be sent to the Employee Resources Department for placement in official personnel file.

Tools

The County will provide new employees (excluding Mechanics, Equipment Services Workers, and Welders) the required basic tools listed below and will replace a reasonable amount of lost or damaged basic tools.

1. Box & open wrench set up to 15/16"
2. Crescent wrench 12"
3. Channel locks pliers 12"
4. Regular type pliers 8"
5. Needle nose pliers 6"
6. Side or end cutter pliers 7"
7. 4 piece screwdriver set (Phillips & Straight)
8. Hammer 16 - 20 oz
9. Pry bar 14"
10. 12' tape ruler
11. Tool box

Bridge Crew: In addition to the basic tools, members of the bridge crew will be provided the following tools. The County will replace a reasonable amount of lost or damaged tools.

1. 25-foot Tape
2. Carpenter's Hammer
3. Work Apron (Multi-Pouch & Hammer Holder)
4. 24-inch Square
5. 6-inch Square
6. Chalk Line
7. Razor Knife
8. Wire Twister
9. String Line 100'
10. Wood Chisels 1/2" and 3/4"

1. The County shall pay a tool allowance as follows:

	Initial Purchase	Annual
Mechanic, Equipment Services Worker, Welder	\$300.00	\$400.00

This allowance shall be pro-rated on date of hire or transfer.

Loss of Commercial Driver's License

1. Any employee who receives a citation for any offense that has a potential penalty of the suspension, revocation, or disqualification of their Commercial Driver's License (CDL) shall notify the Highway Commissioner, or his/her designee, by the next business day unless circumstances make it impossible.
2. This opportunity shall be given to any employee only once during that employee's employment with Marathon County. A second major offense or a series of serious traffic violations resulting in CDL disqualification shall result in termination.
3. The Employer may agree to provide an unpaid leave of absence (LOA) not to exceed 13 months to a maximum of one employee at a time, who is disqualified from holding a CDL due to circumstances arising outside of work, if possible
4. Prior to granting the LOA, the employer may choose to continue the active employment of the affected employee to the extent that the Highway Commissioner determines that work is available. The employee may also be assigned to other work duties in other departments for which the employee may be qualified at the sole discretion of the Employee Resources Director.
5. It is understood that if a job assignment pays less than the employee's assigned position, the employee's wage will be adjusted accordingly. If the assignment is into a higher classification, the employee will be paid their normal rate.
6. Once a LOA is granted, the employee will not be required to return to work for intermittent, sporadic work assignments; unless said employee makes he/she available for such work.
7. The decision of the Highway Commissioner to offer, or not to offer, continued work, or to assign other work duties in other Highway department shop locations, is final.
8. Said employee must have their CDL privileges reinstated within 30 days following the end of the suspension, revocation, or disqualification period, and failure to do so will result in termination of employment.
9. The Highway Commissioner has the sole discretion to fill the employee's position on a temporary basis during the LOA by posting vacancy. If no employee signs the posting, an employee without a full-time assignment will be assigned the position.
10. The Highway Commissioner shall not be required to grant such LOA to more than one employee at a time (concurrently). If more than one employee requires such LOA, the commissioner shall decide which employee shall receive the benefit of this provision.
11. The employee will be required to use available PTO and floating holidays, prior to any unpaid LOA. Following the utilization of any paid leave, the LOA shall be without pay or benefits. During the unpaid LOA, health, dental, and life insurance coverage will be available if the full premiums are paid by the employee in accordance with County Policy.
12. The Highway Commissioner shall have sole discretion to extend the benefits of this agreement to more than one employee.

APPENDIX

Highway Department Salary Schedule effective January 12, 2020

Classification	Minimum Hourly Rate	Control Point Hourly Rate	Maximum Hourly Rate
Maintenance Technician - B21	\$16.16	\$18.99	\$22.47
Maintenance Specialist – B22	\$17.66	\$20.75	\$24.55
Senior Maintenance Specialist – B23	\$19.15	\$22.50	\$26.63

Marathon County Highway Maintenance Technician/ Maintenance Specialist Promotion Policy

Highway Maintenance Technician employees may be promoted to the classification of Maintenance Specialist after the following criteria has been met:

- Successfully completed the 40 hour training course in winter maintenance.
- Completed 2 complete winter seasons of winter maintenance
- Demonstrates a satisfactory or higher level of winter maintenance experience
- Has a successful or higher Employee Performance Appraisals
- Has attended 4 or more of full day in house training days

Upon completion Maintenance Technicians may be promoted to the classification of Maintenance Specialist upon Highway Commissioners approval.



Wausau Waterworks Commission

"Water Conservation Campaign Branding"

Prepared for: Jim Force

Prepared by: Gerald Mortensen

Date: July 20, 2020

OVERVIEW

G. Morty & The Makers to create a brand and marketing samples for the Wausau Waterworks Commission water conservation program. This program will give customers tips and ideas for saving water and reducing their water costs as rates increase in the next 3-5 years. We will present multiple brand and content options for consideration, collaborate with the subcommittee on a creative brief, and organize presentations of the creative work. The ultimate goal of this project is to provide the base of a campaign for the water conservation program that can last for a number of years, with the flexibility to change and stay relevant.

DELIVERABLES/TASKS

- Creative Brief – basically a who, what, when and where document that will guide our creative process. This will be made in collaboration with the subcommittee.
- Multiple logo/brand identities for consideration
- Multiple tag lines for consideration
- Revisions of brand identities and tag lines per feedback and as needed
- Multiple presentations if needed
- Design and marketing concept samples/mock-ups - how the brand could go to market to multiple media channels and in "groupings" such as kitchen, bathroom, etc.



RELEVANT WORK SAMPLES

You can find relevant work samples at this link: <https://gmortymakers.com/work-samples>

Password = **WausauWater**

What you'll see on this page are examples of different brand identity, brand voice and messaging approaches (infographs, humor, seasonal messaging, etc.) that we believe run in parallel to this project. We are happy to walk the Wausau Waterworks team through these samples at any time.

COSTS

Creative Brief	\$500
Design – Logos, Ad Mock-ups	\$1,750
Copywriting	\$1,500
Creative Direction	\$500
Project Management	\$250

Total: \$4,500

(½ of total cost due at beginning of work, remaining balance due at completion of work)

Delivery date: TBD per timing approval

Thanks for the opportunity!

-GM

GMORTYMAKERS.COM

Title 13

WATER AND SEWERS

Chapters:

- 13.04 Wausau Utility Commission
- 13.12 Main and Lateral Installations and Assessments
- 13.13 Cross-connection to Water Service
- 13.16 Connection
- 13.20 Service
- 13.24 Meters
- 13.28 Water Charges
- 13.32 Inspection
- 13.36 Repairs
- 13.40 Protective Devices—Water Purity
- 13.44 Claims for Damages
- 13.48 Surreptitious Use of Water
- 13.52 Water for Construction
- 13.56 Damage to Mains and Service Pipes
- 13.62 Sewage Users—Standards and Control
- 13.64 Sewage Service Charges

Chapter 13.04

WAUSAU UTILITY COMMISSION

Sections:

- 13.04.010 Created.
- 13.04.020 Membership, terms, appointments and meetings.
- 13.04.030 Management and control.

13.04.010 Created. There is created an independent and nonpartisan utility commission, which will be known as the Wausau waterworks commission (“commission”), which commission shall manage and operate the water and sewerage utilities of the city of Wausau, pursuant to Section 66.0805 of the Wisconsin Statutes. The commission shall operate the water utility and the sewerage utility, autonomously, as enterprise funds of the city.

These utilities shall collectively be referred to as (“utility”). (Ord. 61-5822 §4, (part) 2019; Ord. 61-4983 §1(part), 1997.)

13.04.020 Membership, terms, appointments and meetings. The utility commission shall consist of five members. The commission shall consist of the mayor, one alderperson elected from the membership of the common council, and three citizens of the city of Wausau.

The mayor shall be deemed to be a member of the commission for the term for which he/she is elected, and the mayor shall act as the president and presiding officer. The alderperson shall be elected (or re-elected) by the common council at the inaugural organizational meeting of the council after its election, which alderperson shall serve a two year term commencing immediately upon election, and which alderperson shall be the secretary of the commission.

The three citizen members of the commission shall be appointed (or reappointed) by the mayor, subject to confirmation by the common council, and shall serve a five-year term of office which shall begin on the first day of May of the year in which the term commences.

Commission vacancies shall be filled for the unexpired term of office in accordance with appropriate state statutes and city ordinances, and shall be confirmed by the common council, as necessary.

These shall be regular monthly commission meetings, and special meetings may be held at any time upon the call of the president or upon the request of a majority of the commission. A majority of the commission shall constitute a quorum. The president shall have the authority to sign any contracts authorized by the commission. (Ord. 61-5001 §1(part), 1998; Ord. 61-4983 §1(part), 1997.)

13.04.030 Management and control. The utility commission shall have the exclusive right to manage and supervise the utility subject only to the general control and supervision of the common

council, with such general control and supervision being exercised pursuant to the enactment and amendment of this and other ordinances.

(a) Management and Staff. The Director of Public Works and Utilities shall serve as the general executive officer of the utility to act on behalf of the commission. The commission delegates all other personnel matters to the Director of Public Works and Utilities and human resources department of the city to employ, compensate, set policy, and resolve all personnel matters as necessary in the best interest of the utility. The commission reserves the right to employ or contract for management and general operation of the utilities through agents or consultants as the commission deems necessary or convenient.

(b) Director of Public Works and Utilities. The Director of Public Works and Utilities shall serve at the discretion of the utility commission and will report directly to the president (mayor). A detail of the job description of the Director of Public Works and Utilities' shall be maintained by the human resources department. The Director of Public Works and Utilities will abide by and participate in all policies, benefits, compensation packages, etc., as established by the human resources department and committee which are ratified by the common council.

(c) Rates, Rules and Regulations. The commission shall have authority to fix rates, and establish rules and regulations for the governance, management, and operation of the utilities which make up utility, subject to state statutes and to the jurisdiction of the Public Service Commission of Wisconsin, Wisconsin Department of Natural Resources, and any other approving authority. The utility shall comply with and enforce any required regulations, tariffs, codes, permits, plan approvals, etc. The common council may enact and amend ordinances to confirm and/or modify policies, rates and regulations of the utility.

(d) Contracts and Other Powers. The commission shall have full authority to let bids and enter into contracts in the name of the city; provided, that such contracts are necessary or convenient to the management and operation of the utility and that funding is available. The commission shall have such other powers as are necessary or convenient to the management and operation of the utility, and the city intends that the commission shall have full authority respecting the utility unless that authority is specifically withheld by statute or ordinance.

(e) Funding and Financial Control. The commission shall oversee financial control through budget review, audits and directing the Director of Public Works and Utilities to prepare and summarize financial reports appropriate to ensure sound fiscal control of the utility. Each utility shall maintain segregated accounts to correctly reflect financial status under enterprise fund practices and will work with the finance department for the overall administration of utility finances. Payment shall be made for labor, salaries, and other regular expenses deemed appropriate to manage and operate the utility. Financial and other fiscal decisions necessary for day-to-day operations of the utility, shall be made either by the Director of Public Works and Utilities or under the direction of the mayor. (Ord. 61-5822 §5 (part), 2019; Ord. 61-5735 §8(part), 2017; Ord. 61-4983 §1(part), 1997.)

Chapter 13.12

MAIN AND LATERAL INSTALLATIONS AND ASSESSMENT⁶

Sections:

- 13.12.010 Mains.
- 13.12.020 Laterals.
- 13.12.030 Assessments.

13.12.010 Mains. It shall be the duty of the Wausau waterworks commission (“commission”) whenever the common council shall by resolution so determine, upon petition of abutting property owners or whenever public interest shall in their opinion require, and when there is money in the water fund for that purpose, or whenever the common council shall determine to pave or macadamize any street, to cause water mains to be laid or extended to supply water consumers. However, no mains shall be extended beyond the city limits to serve customers residing outside such limits. Mains shall be of the size and extent the common council or water commission shall determine. The cost of such extension shall be assessed under Chapter 3.24. (Ord. 61-5822 §6 (part), 2019) (Prior code §17.07(1).)

13.12.020 Laterals. Upon petition of the owner or his agent of such abutting property, on a form provided by the utility, the Director of Public Works and Utilities shall extend one service pipe, based on a one-inch diameter, for such consumer to the curb for each sixty feet of frontage. Consumers requesting connection to water mains installed prior to 1973 shall not be charged for the service pipe. Consumers requesting connection to water mains installed in 1973 or later shall be charged the connection charge currently on file with the State of Wisconsin Public Service Commission.

Whenever the common council determines to pave or macadamize any street, it shall be the duty of the city engineer to notify the water commission of such determination. It shall be the duty of the water commission to determine what service connections shall be made before the improvements of the street. (Ord. 61-5822 §7 (part), 2019; Ord. 61-5735 §9(part), 2017; Ord. 61-4289 §2, 1975; Ord. 61-4184 §1, 1971; Ord. 61-4099 §5(part), 1968; prior code §17.07(2)(a).)

13.12.030 Assessments. Upon all streets and alleys where water mains have heretofore been laid and no assessment of the cost of any part thereof has been made therefor upon the abutting property, the entire cost for the laying of the first service pipe to the curb upon the petition of such consumer of water, and for each additional or subsequent supply pipe which may be petitioned for and laid, shall be paid by the consumer. The cost of such laying of service pipes shall be computed by the Director of Public Works and Utilities and shall be paid before such service connection is made and no water shall be supplied until such expense is paid. (Ord. 61-5822 §8 (part), 2019; Ord. 61-5735 §10(part), 2017; Ord. 61-4099 §5 (part), 1968; prior code §17.07(2)(b).)

⁶ For statutory provisions pertaining to water and heat pipes generally, see § 62.19, Wis. Stats.

Chapter 13.13

CROSS-CONNECTION TO WATER SERVICE

Sections:

- 13.13.010 Defined.
- 13.13.020 Cross-connection and interconnection restricted.
- 13.13.030 Duty to inspect.
- 13.13.040 Right of entry.
- 13.13.050 Enforcement.
- 13.13.060 Emergency discontinuance.
- 13.13.070 State Code adopted.
- 13.13.080 Local plumbing code.

13.13.010 Defined. A cross-connection shall be defined as any physical connection or arrangement between two otherwise separate systems, one of which contains potable water from the city water system and the other, water from a private source, water of unknown or questionable safety, or steam, gases or chemicals, whereby there may be a flow from one system to the other, the direction of flow depending on the pressure differential between the two systems. (Ord. 61-4666 §3(part), 1989.)

13.13.020 Cross-connection and interconnection restricted. No person, firm or corporation who owns, leases, or occupies property shall establish or maintain any cross-connection. No interconnection shall be established whereby potable water from a private, auxiliary or emergency water supply other than the regular public water supply of the city may enter or potentially enter the supply or distribution system of the city unless such private, auxiliary or emergency water supply and the method of connection and use of such supply shall have been approved by the plumbing inspector and by the state department of natural resources in accordance with Wisconsin Administrative Code NR 810.15. (Ord. 61-5735 §11(part), 2017; Ord. 61-5500, §1, 2012, File No. 09-0524; Ord. 61-5401 §1(part), 2009, File No. 09-0524; Ord. 61-4666 §3(part), 1989.)

13.13.030 Duty to inspect. It shall be the duty of the utility to cause inspections to be made of all properties served by the public water system where cross-connections with the public water system are possible. The utility may require a person, firm, or corporation who owns, leases, or occupies property to have the plumbing inspected, at their own expense, by a State of Wisconsin Certified Cross Connection Inspector/Surveyor. The frequency of inspections and reinspections based on potential health hazards involved shall be established by the utility and in accordance with the Wisconsin Administrative Code. (Ord. 61-5822 §9 (part), 2019; Ord. 61-5401 §1(part), 2009, File No. 09-0524; Ord. 61-4666 §3(part), 1989.)

13.13.040 Right of entry. Upon presentation of credentials, the representative of the utility, or the plumbing inspector, shall have the right to request entry at any reasonable time to examine any property served by a connection to the public water system of the city for cross-connections. Refusing entry to such utility representative shall be sufficient cause for the utility to discontinue the property's connection to the public water system under section 13.13.060 of this chapter. If entry is

refused, such representative may obtain a special inspection warrant under Section 66.0119 of the Wisconsin Statutes. On request, the owner, lessee or occupant of any property so served shall furnish to the inspection agency any pertinent information regarding the piping system or systems on such property. (Ord. 61-5401 §1(part), 2009, File No. 09-0524; Ord. 61-4666 §3(part), 1989.)

13.13.050 Enforcement. The utility is authorized and directed to discontinue water service to any property wherein any connection in violation of this chapter exists, and to take such other precautionary measures necessary to eliminate danger of contamination or damage of the public water system. Water service shall be discontinued only after reasonable notice and opportunity for hearing under Chapter 68 of the Wisconsin Statutes, except as provided in section 13.13.060 below.

Water service to such property shall not be restored until the cross-connection has been eliminated in compliance with the provisions of this chapter. (Ord. 61-5822 §10 (part), 2019; Ord. 61-4666 §3(part), 1989.)

13.13.060 Emergency discontinuance. If it is determined by the utility that a potential cross-connection or an emergency endangers public health, safety welfare or damage to the system and requires immediate action, and a written finding to that effect is filed with the Clerk of the City of Wausau and delivered to the customer's premises, service may be immediately discontinued. The customer shall have an opportunity for hearing under Chapter 68 of the Wisconsin Statutes within ten (10) days of such emergency discontinuance. (Ord. 61-5822 11 (part), 2019; Ord. 61-5401 §1(part), 2009, File No. 09-0524; Ord. 61-4666 §3(part), 1989.)

13.13.070 State Code adopted. The State Plumbing Code, Wisconsin Administrative Code SPS 382, is adopted by reference. (Ord. 61-5822 §12 (part), 2019; Ord. 61-4666 §3(part), 1989.)

13.13.080 Local plumbing code. See Chapter 19.40 of this code. (Ord. 61-4666 §3(part), 1989.)

Chapter 13.16

CONNECTION²

Sections:

- 13.16.010 When required.
- 13.16.020 Contents of notice.
- 13.16.030 Plumbing inspector may cause connection at expense of owner.
- 13.16.040 Installment option.
- 13.16.050 Privies and cesspools prohibited after connection with sewer.
- 13.16.060 Service pipes to be protected.
- 13.16.070 Size of piping.
- 13.16.080 Service pipe requirements.

13.16.010 When required. Whenever a sewer or water main becomes available to any building used for human habitation, the owner or his agent shall be notified by registered mail of the requirements to connect to the sewer or water system. Compulsory connection regarding water will be defined under section 19.24.070 of this code. Connection requirements regarding sewers will be defined under section 19.36.070 of this code. (Ord. 61-4544 §1, 1984.)

13.16.020 Contents of notice. The notice required by section 13.16.010 shall direct the owner or his agent to connect the building to such main or mains in the manner prescribed by the plumbing inspector and to install such facilities and fixtures as may be reasonably necessary to permit passage of sewage incidental to such human habitation into the sewerage system and to furnish an adequate supply of pure water for drinking and prevent creation of a health nuisance. (Ord. 61-4544 §2, 1984; prior code §10.13(2).)

13.16.030 Plumbing inspector may cause connection at expense of owner. If the owner or his agent fails to comply with the initial notice as defined per section 13.16.010, an order will be issued by the plumbing inspector requiring connection within ninety days from receipt of this order by registered mail. Failure to comply with this order may cause the connection to be made under contract by the city, and the expense thereof shall be assessed as a special tax against the property. (Ord. 61-4544 §3, 1984.)

13.16.040 Installment option. The owner or his agent may, within thirty days after completion of the work, file a written option with the clerk stating that he cannot pay the cost of connection in one sum and electing that such sum be levied in five equal annual installments, with interest at the rate of eight percent per year from the completion of the work. (Ord. 61-4173-A §1, 1970; prior code §10.13(4).)

²

For statutory provisions authorizing cities to require connections with sewer or water mains, see § 281.45, Wis. Stats.

13.16.050 Privies and cesspools prohibited after connection with sewer. After connection of any building used for human habitation to a sewer main, no privy, cesspool or waterless toilet shall be used in connection with such human habitation. (Prior code §10.13(5).)

13.16.060 Service pipes to be protected. No water service shall be laid through any trench having cinders, rubbish, rock or gravel fill, or any other material which may cause injury to or disintegration of the service pipe, unless adequate means of protection are provided by sand filling or such other insulation as may be approved by the Director of Public Works and Utilities. Service pipes passing through curb or retaining walls shall be adequately safeguarded by provision of a channel space or pipe casing, not less than twice the diameter of the service connection. The space between the service pipe and channel or pipe casing shall be filled and lightly caulked with an oakum, mastic cement, or other resilient material, and made impervious to moisture.

In backfilling the pipe trench, the service pipe must be protected against injury by carefully hand tamping the ground filling free from hard lumps, rocks, stones, or other injurious material around and at least twelve inches over the pipe. (Ord. 61-5822 §13 (part), 2019; Ord. 61-4289 §3, 1975; prior code §17.23(1).)

13.16.070 Size of piping. All water supplies shall be of undiminished size from the street main in to the point of meter placement. Beyond the meter outlet valve the piping shall be sized and proportioned to provide, on all floors, at all times, an equitable distribution of water supply for the greatest probable number of fixtures or appliances operating simultaneously. The size of water service piping shall be based on the estimated maximum rate of flow through the water service piping. The maximum flow rate shall be estimated by the following procedure:

- (a) Determine the number of each type of fixture to be installed in the building;
- (b) Determine the usage of each fixture as either private or public.
 - (1) Usage is to be classified as private when used for living quarters only,
 - (2) Usage is to be classified as public when used for any purpose other than living quarters;
- (c) Determine the fixture units for each type of fixture by reference to Table 1*;
- (d) Determine the total fixture units by multiplying the number of each type of fixture by its respective number of fixture units and totaling. In using this method, allowance should be made for fixtures to be installed at a future date;
- (e) By reference to Table 2*, the total fixture units in any system with either flush tank or flush valves can be converted to maximum rate of flow in the water service piping. In converting, the next greatest number of fixture units should be used;

* Tables are on file in the city clerk's office.

(f) Where water consuming equipment not listed in Table 1* is to be used, its GPM rating is to be added to the maximum rate of flow determined as outlined in (e). This total is then used in determining the size of water service piping and meter.

In Tables 3 to 7* is a tabulation of the regular water service piping sizes for the estimated maximum rate of flow determined in accordance with paragraphs (a) through (f). Knowing the maximum estimated rate of flow and the length of service piping required, the proper size water service piping and meter can be selected. At the time of installation where it has been determined that water pressure may drop below thirty-five psi, the larger listed size shall be required. (Ord. 61-4184 §2, 1971; prior code §17.23(2).)

13.16.080 Service pipe requirements. (a) Service connections between one and two inches internal diameter shall be made by brass corporation cock. Water service pipes connecting with corporation in water main in street shall be no smaller than one inch internal diameter and shall be of "K" copper water tube. Each service pipe to have a brass curb stop and iron box at sidewalk, terminating above surface of ground. All service pipes to be laid in ground below action of frost, seven feet below surface.

(b) Service connections larger than two inches internal diameter shall be made by inserting a tee or tapping sleeve and valve on/in the water main. Each service pipe is to have a gate valve and iron box at sidewalk except tapping sleeves and valves which shall be at the point of connection, terminating above surface of ground. All service pipes are to be laid in ground below action of frost, seven feet below surface.

(c) A straight gate valve or globe valve shall be installed inside the foundation wall of each building where the meter is installed. Service of one and one-half inches or over shall have a full size bypass around the meter.

(d) Any other connections with city water mains can only be made by special permit of the Director of Public Works and Utilities upon authority of the commission. (Ord. 61-5822 §14 (part), 2019; Ord 61-5120 §1, 2001, File No. 01-0614; Ord. 61-4289 §4, 1975; Ord. 61-4099 §10, 1968; prior code §17.23(3).)

* Tables are on file in the city clerk's office.

Chapter 13.20

SERVICE

Sections:

13.20.010	Application.
13.20.020	Conditions of furnishing service.
13.20.030	No division of service.
13.20.040	Withholding approval.
13.20.050	Service contract.
13.20.060	Reconnection charge
13.20.070	Compliance with rules.
13.20.080	Turning on water.
13.20.090	Turning off water.
13.20.100	Vacation of premises.

13.20.010 Application. Application for water service shall be made in writing on a form furnished by Wausau waterworks (“utility”). The application will contain the legal description of the property to be served, name of the owner, the exact use to be made of the service, and the list of water consuming fixtures to be installed at the property. Size of service piping and meter shall be determined from section 13.16.070. (Note particularly any special refrigeration or air conditioning water consuming appliances.) (Ord. 61-5822 §15 (part), 2019; Ord. 61-4184 §3, 1971; prior code §17.16(1).)

13.20.020 Conditions of furnishing service. Service will be furnished only if:

(a) Premises has a frontage on a properly platted street or public strip in which a cast iron or other long life water main has been laid, or where property owner has agreed to and complied with the provisions of the utility's filed main extension rule;

(b) Property owner has installed or agreed to install a service pipe from the curbline to the point of use, and laid not less than seven feet below the surface of an established or proposed grade, and according to utility's specifications; and

(c) Premises has adequate piping beyond metering point. (Ord. 61-4289 §5, 1975; prior code §17.16(2).)

13.20.030 No division of service. No division of the water service of any lot or parcel of land shall be made for the extension and independent meterage of the supply to an adjoining lot or parcel of land. No division of a water supply service shall be made at the curb for separate supplies therefrom for two or more separate premises having frontage on any street or public service strip whether owned by the same or different parties. (Prior code §17.16(3).)

13.20.040 Withholding approval. The Director of Public Works and Utilities is hereby empowered to withhold approval of any application wherein full information of the purpose of such

supply is not clearly indicated and set forth by the applicant property owner. (Ord. 61-5822 §16 (part), 2019; Ord. 61-4099 §6, 1968; prior code §17.16(4).)

13.20.050 Service contract. Where a customer, at his request, has been disconnected and his account is not delinquent and where thereafter he requests the reconnection of service in the same location, a reconnection charge of sixty dollars during normal business hours and \$100 after normal business hours, payable in advance, shall be collected. (Ord. 61-5822 §17 (part), 2019; Ord. 61-4289 §6, 1975; prior code §17.17(1).)

13.20.060 Reconnection charge. A reconnection charge of sixty dollars during normal business hours and \$100 after normal business hours shall also be required from consumers whose services are disconnected because of nonpayment of bills when due (not including disconnection for failure to comply with deposit or guarantee rules). A consumer shall be considered as the same consumer, provided the reconnection is requested for the same location by any member of the same family or, if a place of business, by any partner or employee of the same business. (Ord. 61-5822 §15 (part), 2019; (Prior code §17.17(2).)

13.20.070 Compliance with rules. All persons now receiving a water supply from the utility, or who may hereafter make application therefor, shall be considered as having agreed to be bound by the rules and regulations as filed with the Public Service Commission of Wisconsin. (Ord. 61-5822 §19 (part), 2019) (Prior code §17.15.)

13.20.080 Turning on water. The water cannot be turned on for a consumer except by an authorized employee of the utility. When a plumber has completed a job, he must leave the water turned off. This does not prevent him from testing his work. No person shall turn on water after completion of plumbing until a certificate of inspection signed by the plumbing inspector is presented to the Director of Public Works and Utilities. (Ord. 61-5822 §20 (part), 2091; Ord. 61-4099 §17, 1968; prior code §17.31.)

13.20.090 Turning off water. When water has been turned on to test plumbing, the person doing the testing shall turn off the water at the curb stop and immediately notify the Director of Public Works and Utilities. (Ord. 61-5822 §21 (part), 2019; Ord. 61-4099 §18, 1968; prior code §17.32.)

13.20.100 Vacation of premises. When premises are to be vacated, the utility shall be notified in writing at once, so that it may remove the meter and shut off the supply at the curb cock. The owner of the premises shall be liable to prosecution for any damage to the property of the utility by reason or failure to notify the utility of vacancy. (Ord. 61-5822 §22 (part), 2019; (Prior code §17.38.)

Chapter 13.24

METERS³

Sections:

- 13.24.010 Temporary meter supply—Deposits.
- 13.24.020 Installation.
- 13.24.030 Utility's responsibility.
- 13.24.040 Owner's responsibility.
- 13.24.050 Repair costs paid by owner.
- 13.24.060 Service piping for meter settings.
- 13.24.070 Failure to read meters.
- 13.24.080 Complaint meter tests.

13.24.010 Temporary meter supply—Deposits. An applicant for temporary water supply on a metered basis shall make and maintain a monetary deposit of not less than fifty dollars for each meter installed, as security for payment for use of the supply. The charge for setting the valve and furnishing and setting the meter will be sixty dollars. The volumetric charge shall be calculated using the highest volumetric rate for residential customers. (Ord. 61-5822 §23 (part), 2019) (Prior code §17.18.)

13.24.020 Installation. (a) General. Meters will be furnished and placed by the utility and are not to be disconnected or tampered with by the consumer. All meters shall be so located that they shall be protected from obstructions and permit ready access thereto for reading, inspection, and servicing. No water meter shall be installed in any location not easily accessible, or in one which is or may be unclean, or in any manner hazardous to employees of the utility in the discharge of their duties. If during reconstruction of, or addition to, an existing potable water distribution system it is found that the water meter is located in a below-the-floor meter pit, the meter shall, at that time, be raised out of the pit and equipped with full-flow ball valves on both the inlet and outlet to the meter. The city plumbing inspector may at any time order the relocation of existing meters located in pits or extremely difficult areas of access. Water meters shall not be installed below plumbing fixtures, nor shall any water meter be installed in any toilet room. Water meters shall not be installed below stairways, landings, showrooms, or other platforms. All piping within the building must be supplied by the consumer. Where additional meters are desired by the consumer, he shall pay for all piping and an additional amount sufficient to cover the cost of maintenance and depreciation.

(b) Multi-Family Units. Water meter service to multi-residential building units shall be readily accessible to city personnel during normal working hours. All meters shall be installed in the common portion of the basement or common utility rooms not located in the individual living units. Where individual meters are desired per living units, the meters shall be clustered or banked together in a common accessible location as noted above. For ease of wiring to the outside, dedicated

³ For statutory provisions pertaining to the testing of meters, see § 196.17, Wis. Stats.

conduit(s) shall be provided sufficient in size to carry remote meter wiring to an outside receptacle(s). All requirements for meters contained in subsection (a) of this section shall also apply to multi-family units. (Ord. 61-5180 §1, 2002, File No. 02-0620; Ord. 61-4745 §1, 1991; Ord. 61-4289 §7, 1975; Ord. 61-4184 §4, 1971; Ord. 61-4099 §14, 1968; prior code §17.28.)

13.24.030 Utility's responsibility. Meters will be repaired by the utility and the cost of such repairs caused by ordinary wear and tear will be borne by the utility. (Ord. 61-5822 §24 (part), 2019; Ord. 61-4099 §15(part), 1968; prior code §17.29 (1).)

13.24.040 Owner's responsibility. No person shall connect or disconnect a water meter for repairs or other reason without consent of the Director of Public Works and Utilities, except in case of leakage. The person doing repair shall immediately notify the Director of Public Works and Utilities of the work done. (Ord. 61-5822 §25 (part), 2019; Ord. 61-4099 §15(part), 1968; prior code §17.29(2)(a).)

13.24.050 Repair costs paid by owner. Repair or any damage to a meter resulting from the carelessness of the owner of the premises, his agent, or tenant, or from the negligence of any one of them to properly secure and protect same, including any damage that may result from allowing a water meter to become frozen or to be injured from the presence of hot water or steam in the meter, shall be paid for by the consumer or the owner of the premises. (Prior code §17.29(2)(b).)

13.24.060 Service piping for meter settings. In installing new service piping (or changing service piping where consumers have been on a flat rate), if meters are to be set, the consumer shall, at his expense, provide the proper connections for the meter. The Director of Public Works and Utilities should be consulted as to the type and size of meter setting. A gate, ball or plug valve equal in size to the service piping shall be provided on the inlet side of the meter. A gate, ball or plug valve equal to or larger than the meter size shall be provided on the outlet side of the meter. Service piping of one and one-half inches or over shall have a full size valved bypass around the meter. Meter connections will be provided by the water utility. In the event the meter is not installed at the time of piping, a nipple of standard length as determined by the Director of Public Works and Utilities, will be provided and later removed for the insertion of the meter into the supply line.

No permit will be given to change from metered to flat rate service. (Ord. 61-5822 §26 (part), 2019; Ord. 61-4184 §5, 1971; Ord. 61-4099 §16, 1968; prior code §17.30.)

13.24.070 Failure to read meters. Where the utility is unable to read a meter after two successive attempts, the fact will be plainly indicated on the bill, and either an estimated bill will be computed, or the minimum charge applied. The difference shall be adjusted when the meter is again read, that is, the bill for the succeeding quarter will be computed with the gallons or cubic feet in each block of the rate schedule doubled and credit will be given on that bill for the amount of the minimum bill paid the preceding month. Only in unusual cases or where approval is obtained from the customer shall more than two consecutive estimated bills be rendered.

If the meter is damaged or fails to operate, the bill will be based on the average use during the past year unless there is some reason why the use is not normal. If the average use cannot be properly employed, the bill will be estimated by some equitable method. (Prior code §17.33.)

13.24.080 Complaint meter tests. If a customer requests, the utility shall promptly make an accuracy test in addition to the periodic or installation test if twenty-four months or more have elapsed since the last complaint test of the same meter in the same location. If less than twenty-four months have expired, the customer shall deposit with the utility 50% of the cost of the meter test. If the meter is found to be over or under registering by more than 2% the deposit shall be refunded. (Ord. 61-5822 §27 (part), 2019; Ord. 61-4289 §8, 1975; prior code §17.34.)

Chapter 13.28

WATER CHARGES

Sections:

- 13.28.010 Unit of service defined.
- 13.28.030 Multiple buildings.
- 13.28.040 Charges for water wasted due to leaks.
- 13.28.050 Refunds of deposits.
- 13.28.060 Water rents.
- 13.28.070 Water rates.
- 13.28.080 Rates—Public fire protection service.

13.28.010 Unit of service defined. A unit of service consists of any residential or small commercial aggregation of space or area occupied for a distinct purpose, such as a residence, apartment, flat, store, or office, which is equipped with one or more fixtures for rendering water service, separate and distinct from other users. Each unit of service shall be regarded as one consumer and the surcharge for additional consumers on a meter, when authorized, assessed accordingly. (Prior code §17.36(1).)

13.28.030 Multiple buildings. When a consumer's premises has several buildings each supplied with service and metered separately, the full service charge will be billed for each meter separately, and the readings will not be cumulated. If these buildings are all used in the same business and are connected by the consumer, they can be metered in one place. If the utility, for its own convenience, installs more than one meter, the readings will be cumulated for billing. (Prior code §17.36(3).)

13.28.040 Charges for water wasted due to leaks. When the meter registers losses due to pipe leaks, the utility shall determine whether or not the defect in the piping or equipment was known to the customer or, being known, he had used his best efforts to correct the conditions. If the Director of Public Works and Utilities determines that the loss occurred without the consumer's knowledge or, having known about it, he had tried to correct the condition, the utility may determine as nearly as possible what is the amount of the loss by comparison with the use of the water during a like period, and the excess may be billed at the lowest step in the rates. If, however, the consumer knew of the leak and failed to give proper attention to it, the utility will bill for the total consumption shown by the meter at regular rates. (Ord. 61-5822 §28 (part), 2019; Ord. 61-4099 §12, 1968; prior code §17.25.)

13.28.050 Refunds of deposits. All moneys deposited as security for payment of charges arising from the use of temporary water supply on a metered basis, or for the return of sprinkling valve wheel or reducer, if the water is used on any unmetered basis, will be refunded to the depositor on the termination of the use of water, the payment of all charges levied against the depositor and the return of the wheel and reducer. (Prior code §17.22.)

13.28.060 Water rents. All water rents shall be paid in such manner and at such time as the Wausau waterworks commission (“commission”) shall determine. All water rates, whether by schedule or meter, which shall not be paid within thirty days after the same shall become due and payable, shall become a lien upon the premises receiving the service, and if remaining unpaid shall be collected as a special tax in the next tax roll, pursuant to Section 66.0809(3) of the Wisconsin State Statutes. (Ord. 61-5822 §29 (part), 2019; Ord. 61-4289 §10, 1975; prior code §17.08.)

13.28.070 Water rates. The commission shall from time to time establish rates for water service subject to approval of the Wisconsin Public Service Commission. (Ord. 61-5822 §30 (part), 2019; (Prior code §17.10.)

13.28.080 Rates—Public fire protection service. Effective June 1, 2004, the public fire protection service fee for water, hydrants, water distribution infrastructure, and other related assets and costs as determined or formulas determined by the Public Service Commission shall be placed on the utility bills. Said rates shall be determined within Section 13.28.070 Water Rates of the Wausau Municipal Code. (Ord. 61-5231 §1, 2004, File No. 89-1208.)

Chapter 13.32

INSPECTION⁴

Sections:

13.32.010 Inspection of premises.

13.32.010 Inspection of premises. During reasonable hours, any officer or authorized employee of the utility shall have the right of access to the premises supplied with service for the purpose of inspection or for the enforcement of the utility's rules and regulations. At least once every twelve months the utility will make a systematic inspection of all unmetered water taps for the purpose of checking waste and unnecessary use of water. (Prior code §17.35.)

⁴ For statutory provisions authorizing entrance into buildings to inspect meters, pipes, fittings, wires and works, see § 196.171, Wis. Stats.

Chapter 13.36

REPAIRS

Sections:

- 13.36.010 Mains.
- 13.36.020 Replacement and repair of service pipe.
- 13.36.030 Thawing frozen services.

13.36.010 Mains. The utility reserves the right to shut off the water in the mains temporarily, to make repairs, alterations or additions to the plant or system. When the circumstances will permit of sufficient delay, the utility will give notification, by newspaper publication or otherwise of the discontinuance of the supply. No rebate or damages will be allowed to consumers for such temporary suspension of supply. (Ord. 61-5822 §31 (part), 2019; (Prior code §17.40.)

13.36.020 Replacement and repair of service pipe. The service pipe from the main to and through the curb stop, but not including the outlet joint of the curb stop, will be maintained and kept in repair and when worn out, replaced at the expense of the utility. The property owner shall maintain the service pipe from the curb stop to the point of use and can be billed for any water which has not passed through the meter and has been wasted by leakage or defective pipes and fixtures, as estimated by the Director of Public Works and Utilities.

If a consumer fails to repair a leaking or broken service pipe from curb to a point of metering or use within such time as may appear reasonable to the Director of Public Works and Utilities after notification has been served on the consumer by the Director of Public Works and Utilities, the water will be shut off and will not be turned on again until the repairs have been completed. (Ord. 61-5822 §32 (part), 2019; Ord. 61-4184 §6, 1971; Ord. 61-4099 §11, 1968; prior code §17.24.)

13.36.030 Thawing frozen services. Frozen services shall be thawed out by and at the expense of the utility except where the freezing was caused by contributory fault or negligence on the part of the consumer such as reduction of the grade or undue exposure of the piping in the building or on consumer's property, or failure to comply with water utility specifications and requirements as to depth of service, lack of sufficient back fill, etc.

Following the freezing of a service, the utility shall take such steps and issue such instructions as may be necessary to prevent the refreezing of the same service. No charge will be made for rethawing if the instructions are followed. In case it is necessary to allow the water to flow to prevent refreezing the consumer must make provision for proper disposal of the waste water.

For the period in which the water is allowed to run the consumer will be billed according to his meter readings, but in no event to exceed the average amount paid in the corresponding billing periods of the previous two years. A new consumer will be charged the average bill for other consumers of the same class receiving service under comparable conditions. (Ord. 61-4099 §13, 1968; prior code §17.26.)

Chapter 13.40

PROTECTIVE DEVICES—WATER PURITY

Sections:

- 13.40.010 Prohibited storage near well sites.
- 13.40.020 Exceptions to section 13.40.010.
- 13.40.030 Official map.
- 13.40.040 Stop boxes.
- 13.40.050 Protective devices in general.
- 13.40.060 Relief valves.
- 13.40.070 Air chambers.

13.40.010 Prohibited storage near well sites. No person shall install a storage tank, container or vault containing a deleterious liquid within one thousand feet of an existing or planned municipal well site. (Prior code §17.11(1).)

13.40.020 Exceptions to section 13.40.010. The director of inspections and electrical systems may grant an exception to section 13.40.010 if the Wausau waterworks commission (“commission”) determines that the installation will not endanger or contaminate the well. (Ord. 61-5822 §33 (part), 2019; (Prior code §17.11(2).)

13.40.030 Official map. The city engineer shall place on the official map of the city all locations of existing and planned municipal well sites. (Prior code §17.11(3).)

13.40.040 Stop boxes. The consumer shall protect the stop box in his terrace and shall keep the same free from dirt and other obstructions. The utility shall not be liable for failure to locate stop box and shut off the water in case of a leak on the consumer's premises. (Prior code §17.27.)

13.40.050 Protective devices in general. The owner or occupant of every premise receiving water supply shall apply and maintain suitable means of protection of the premise supply, and all appliances thereof, against damage arising in any manner from the use of the water supply, variation of water pressure, or any interruption of water supply. Particularly, such owner or occupant must protect water cooled compressors for refrigeration systems by means of high pressure safety cut-out devices. There shall likewise be provided means for the prevention of the transmission of water ram or noise of operation of any valve or appliance through the piping of their own or adjacent premises. (Prior code §17.44(1).)

13.40.060 Relief valves. On all “closed systems” (i.e. systems having a check valve, pressure regulator, or reducing valve, water filter or softener) an effective pressure relief valve shall be installed either in the top tapping or the upper side tapping of the hot water tank, or on the hot water distributing pipe connection at the tank. A one-half inch drain pipe shall be connected to the relief valve for discharge on the floor or into a sink or open drain through an air gap. No stop valve shall be placed between the hot water tank and the relief valve or on the drain pipe. (Prior code §17.44(2).)

13.40.070 Air chambers. An air chamber or approved shock absorber shall be installed at the terminus of each riser, fixture branch, or hydraulic elevator main for the prevention of undue water hammer. The air chamber shall have a diameter not less than that of the pipe it serves and a length not less than fifteen diameters of the supply pipe. Where possible, the air chamber should be provided at its base with a valve and drain cock for water drainage and replenishment of air. (Prior code §17.44(3).)

Chapter 13.44

CLAIMS FOR DAMAGES

Sections:

13.44.010 No claims for damages.

13.44.010 No claims for damages. No person shall enter a claim for damage against the city as a water utility, or any officer thereof, for damage to any pipe, fixture, or appurtenance by reason of interrupted water supply, or variation of pressure, or for turning on, either wholly or partially of the water supply for the extension, alteration, or repair of any water main or premises supply, or for the discontinuance of the premise water supply for the violation of any rules or regulations of the utility. No claims will be allowed against the city, on account of the interruption of the water supply caused by the breaking of pipes or machinery, or by stopping for repairs, on account of fire or other emergency, and no claims shall be allowed for any damage caused by the breaking of any pipe or machinery. (Ord. 61-5822 §34 (part), 2019; (Prior code §17.39.)

Chapter 13.48

SURREPTITIOUS USE OF WATER⁵

Sections:

- 13.48.010 Rights of utility—Remedies.
- 13.48.020 State statutes adopted.

13.48.010 Rights of utility—Remedies. When the utility has reasonable evidence that a consumer is obtaining his supply of water, in whole or in part, by means of devices or methods used to stop or interfere with the proper metering of the utility service being delivered to his equipment, the utility reserves the right to estimate and present immediately a bill for service unmetered as a result of such interference and such bill shall be payable subject to a twenty-four hour disconnection of service. When the utility shall have disconnected the consumer for any such reason, the utility will reconnect the consumer upon the following conditions:

- (a) The consumer will be required to deposit with the utility an amount sufficient to guarantee the payment of the consumer's bills for utility service to the utility;
- (b) The consumer will be required to pay the utility for any and all damages to its equipment on the consumer's premises due to such stoppage or interference with its metering;
- (c) The consumer must further agree to comply with reasonable requirements to protect the utility against further losses. (Prior code §17.37(1).)

13.48.020 State statutes adopted. Section 943.20 of the Wisconsin Statutes, as relating to water service, are hereby adopted and made a part of these rules. (Ord. 61-5822 §35 (part), 2019) (Prior code §17.37(2).)

⁵ For statutory provisions pertaining to theft, see § 943.20, Wis. Stats.

Chapter 13.52

WATER FOR CONSTRUCTION

Sections:

- 13.52.010 Permit required.
- 13.52.020 Water turn-on.
- 13.52.030 Consumer's duty.
- 13.52.040 Use of hydrants for construction.
- 13.52.050 Operation of valves and hydrants—Unauthorized use of water.

13.52.010 Permit required. When water is wanted for construction purposes, or for filling cisterns, tanks, or tank wagons, steam tractors or rollers, or portable steam boilers, an application therefor shall be made to the Director of Public Works and Utilities, in writing, upon application provided for that purpose in the utility office, giving a statement of the amount of construction work to be done, or the size of the cistern, boiler, tank or tank wagon to be filled. Payment for the water for construction shall be made in advance at the scheduled rates. The service pipe must be carried inside the cellar wall from where the water must be drawn. No connection with the service pipe at the curb shall be made without special permission from the Director of Public Works and Utilities. (Ord. 61-5822 §36 (part), 2019; Ord. 61-4099 §7, 1968; prior code §17.19(1).)

13.52.020 Water turn-on. In no case will any employee of the utility turn on water for construction work unless the contractor first presents a permit. Upon completion of the construction work, the contractor must return the original permit to the utility, together with a statement of the actual amount of construction work performed. (Ord. 61-5822 §37 (part), 2019; (Prior code §17.19(2).)

13.52.030 Consumer's duty. Consumers shall not allow contractors, masons or other persons to take water from their premises without first showing a permit from the utility. Any consumer failing to comply with this provision will have their water service discontinued. (Ord. 61-5822 §38 (part), 2019) (Prior code §17.19(3).)

13.52.040 Use of hydrants for construction. In cases where no other supply is available, permission may be granted by the Director of Public Works and Utilities to use a hydrant. No hydrant shall be used until it is equipped with a Reduced Pressure Zone (RPZ) valve. The RPZ shall be supplied by the water user and the user shall provide the utility written proof of the RPZ's operational certification. Once the RPZ is removed from the hydrant it will be required to be certified prior to reattaching to a hydrant.

Before an RPZ is set, payment must be made for its setting and for the water to be used at the scheduled rates. The applicant must make a payment of sixty dollars. When the contractor has finished using the hydrant, he must notify the water utility to that effect. The minimum charge for the use of water from a hydrant will be five dollars.

In the use of a fire hydrant supply, the hydrant valve will be set at the proper opening by the water utility when the RPZ is set. If the water is to be used through iron pipe connections, all such pipe installations shall have the swing joint to facilitate quick disconnection from the fire hydrant. (Ord. 61-5822 §39 (part), 2019; Ord. 61-4289 §11, 1975; Ord. 61-4099 §8, 1968; prior code §17.20.)

13.52.050 Operation of valves and hydrants—Unauthorized use of water. No person shall, without authority of the Director of Public Works and Utilities, allow contractors, masons, or other unauthorized persons to take water from their premises, operate any valve connected with the street or supply mains, or open any fire hydrant connected with the distribution system, nor shall any person wantonly injure or impair the same. Permits for the use of hydrants for filling sprinkling carts apply only to such hydrants as are designated for such use. (Ord. 61-5822 §40 (part), 2019; Ord. 61-4099 §9, 1968; prior code §17.21.)

Chapter 13.56

DAMAGE TO MAINS AND SERVICE PIPES

Sections:

- 13.56.010 Responsibility of contractor during construction.
- 13.56.020 Contractor must locate service pipes.

13.56.010 Responsibility of contractor during construction. When excavating machines are used in digging sewers, all water mains shall be maintained at the expense of the contractor. (Prior code §17.42(part).)

13.56.020 Contractor must locate service pipes. Contractors must ascertain for themselves the existence and location of all service pipes. Where they are removed, cut or damaged in the construction of a sewer, the contractor must at his own expense cause them to be replaced or repaired at once. He must not shut off the water service pipes from any consumer for a period exceeding six hours. (Prior code §17.42(part).)

Chapter 13.62

SEWAGE USERS—STANDARDS AND CONTROL

Sections:

13.62.001	Purpose and policy.
13.62.010	Scope of control.
13.62.020	Definitions.
13.62.030	Prohibitions and limitations on wastewater discharge.
13.62.040	Control of prohibited wastes.
13.62.050	User wastewater monitoring and analysis.
13.62.060	Enforcement procedures.
13.62.070	Penalties—Costs.
13.62.075	Special Provisions—Amalgam reduction—Dental professionals.

13.62.001 Purpose and policy. This chapter sets forth uniform requirements for wastewater discharges into the utility wastewater collection and treatment system and tributaries thereto, and enables the utility to comply with all applicable state and federal laws, including the Clean Water Act (33 United States Code 1251 et seq.) and the General Pretreatment Regulations (40 Code of Federal Regulations Part 403). The objectives of this chapter are:

- (a) To prevent the introduction of pollutants into the utility wastewater system which will interfere with the normal operation of the system and cause violation of the city's WPDES permit or contaminate the resulting municipal bio-solids;
- (b) To prevent the introduction of pollutants into the utility wastewater system which do not receive adequate treatment in the publicly owned treatment works (POTW), and which will pass through the system into receiving waters or the atmosphere or otherwise be incompatible with the system;
- (c) To protect both POTW personnel who may be affected by wastewater and bio-solids in the course of their employment and the general public;
- (d) To promote reuse and recycling of industrial wastewater and bio-solids from the Wausau treatment system;
- (e) To prevent physical damage to the utility wastewater collection and treatment system;
- (f) To enable Wausau to comply with its National Pollutant Discharge Elimination System permit conditions, bio-solids use and disposal requirements, and any other federal or state laws to which the utility collection and treatment system is subject.

This chapter provides for the regulation of discharges into the utility wastewater system through the issuance of permits to certain users and through enforcement of the applicable requirements in this chapter for other persons. This chapter provides for the utility to implement and

exercise a POTW pretreatment program according to 40 CFR 403.8(f)(1) and (2). This chapter does not provide for the recovery of operations, maintenance or replacement cost of the POTW or the costs associated with the construction of collection and treatment systems required by the users, in proportion to their use of the POTW, which are the subject of separate enactments.

This chapter shall apply to all persons in the city, and to persons outside the city who are, by contract or agreement with the city, users of the wastewater treatment system. Except as otherwise provided in this chapter, the commissioners and its employees of the utility as appointed by the common council of the city of Wausau shall administer, implement and enforce the provisions of this chapter. (Ord. 61-5822 §41 (part), 2019; Ord. 61-4859 §1(part), 1994.)

13.62.010 Scope of control. All persons now receiving sewer service from the utility or who may hereafter make application therefore, are deemed to be bound by rules and regulations of the utility as may be filed with the Public Service Commission of Wisconsin, and such state and federal statutes and administrative rules as are applicable. (Ord. 61-4859 §1(part), 1994.)

13.62.020 Definitions. Unless the provision explicitly indicates otherwise, the following terms and phrases, as used in this chapter, shall have the meanings hereinafter designated.

“Act” or “the Act” means the Federal Water Pollution Control Act, also known as the Clean Water Act (33 U.S.C.; 1251, et seq.) as amended.

“Approving authority” means Wausau waterworks commission.

“Authorized representative of the user” means:

- (a) If the user is a corporation:
 - (1) The president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or
 - (2) The Director of Public Works and Utilities of one or more manufacturing facilities provided the Director of Public Works and Utilities 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 according to the corporation’s procedures; or
- (b) If the user is a partnership or sole proprietorship: a general partner or proprietor, respectively.

(c) If the user is a federal, state or local government facility: A director or highest official appointed or designated to oversee the operation and performance of the activities of the government facility, or their designee.

(d) An authorized representative of the individual designated above if:

- (1) Such representative is responsible for the overall operation of the facilities from which the discharge into the POTW originates;
- (2) The authorization is in writing; and
- (3) The written authorization is submitted to the Director of Public Works and Utilities.

“Best Management Practices” or “BMPs” means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to implement the prohibition listed in Section 2.1 A and B [40 CFR 403.5(a)(1) and (b)]. BMPs include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw materials storage.

“Biochemical oxygen demand (BOD)” means the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five days at twenty degrees centigrade, usually expressed as a concentration (e.g., mg/l), as prescribed in 40 CFR Part 136, or such other methods as the EPA administrator may approve.

“Bypass” means the intentional diversion of wastestreams from any portion of an industrial user's treatment facility.

“Categorical pretreatment standard” means National Pretreatment Standards specifying quantities or concentrations of pollutants or pollutant properties which may be discharged or introduced into a POTW by specific industrial discharges.

“City” means the city of Wausau or the common council of the city of Wausau.

“Cooling water” means the water discharged from any use such as air-conditioning, cooling or refrigeration, whose character undergoes no chemical change during such use.

“Compatible pollutant” means BOD, suspended solids, Ph and fecal coliform bacteria, and such additional pollutants as are now or may be in the future specified and controlled in the WPDES permit issued to the Wausau sewerage utility.

Discharger. See “user” definition.

“D.N.R.” means the Wisconsin Department of Natural Resources.

“Domestic wastes” means liquid wastes from the noncommercial preparation, cooking or handling of food, or containing human excrement and similar matter discharged from the sanitary facilities in dwellings, commercial buildings, industrial facilities and institutions, and other places where humans congregate.

“Environmental Protection Agency or E.P.A.” means the U.S. Environmental Protection Agency or, where appropriate, the Regional Water Management Division Director, or other duly authorized official of said agency.

“Garbage” means solid wastes from the handling, preparation, cooking, dispensing or storage of food.

“Ground garbage” means the residue from the preparation, cooking or dispensing of food that has been shredded to such degree that all particles will be carried freely in suspension under the flow conditions normally prevailing in public sewers with no particle greater than one-half inch in any dimension.

“Incompatible pollutant” means any pollutant which is not a compatible pollutant as defined in this section.

“Industrial user” means any source of industrial wastewater.

“Industrial wastewater” means the liquid wastes resulting from the processes employed in industrial, manufacturing, trade or business establishments, as distinct from domestic wastes.

“Interference” means the inhibition or disruption of a POTW's sewer system, treatment processes or operations by an indirect discharge which, alone or in conjunction with the discharge or discharges from other sources, causes a violation or increases the magnitude or duration of a violation of any requirement of the POTW's WPDES permit. The term includes the impairment of the use or disposal of POTW sludge in accordance with Chapters 283 of the Wisconsin Statutes, Section 405 of the Act, (33 U.S.C. 1345) or any criteria, guidelines or regulations developed pursuant to the Solid Waste Disposal Act (SWDA), the Clean Air Act, the Toxic Substances Control Act or more stringent state criteria (including those contained in any state sludge management plan prepared pursuant to the Title IV of SWDA) applicable to the method of disposal or use employed by the POTW.

“May” is permissible.

“New source” means:

(a) Any building, structure, facility or installation from which there is or may be a discharge of pollutants, the construction of which commenced after the publication of proposed pretreatment standards under section 307(c) of the Act which will be applicable to such source if such Standards are thereafter promulgated in accordance with that section, provided that:

- (1) The building, structure, facility or installation is constructed at a site at which no other source is located; or
- (2) The building, structure, facility or installation totally replaces the process or production equipment that causes the discharge of pollutants at an existing source; or
- (3) The production of wastewater generating processes of the building, structure, facility or installation are substantially independent of an existing source at the same site. In determining whether these are substantially independent, factors such as the extent to which the new facility is engaged in the same general type of activity as the existing source should be considered.

(b) Construction on a site at which an existing source is located results in a modification rather than a new source if the construction does not create a new building, structure, facility, or installation meeting the criteria of subsection (a)(2) or (3) of this section but otherwise alters, replaces or adds to the existing process or production equipment.

(c) Construction of a new source, as defined under this paragraph, has commenced if the owner or operator has:

- (1) Begun, or caused to begin, as part of a continuous on-site construction program:
 - (A) Any placement, assembly or installation of facilities or equipment, or
 - (B) Significant site preparation work including clearing, excavation or removal of existing buildings, structures or facilities which is necessary for the placement, assembly or installation of new source facilities or equipment;
- (2) Entered into a binding contractual obligation for the purchase of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering and design studies do not constitute a contractual obligation under this paragraph.

“Normal wastewater concentrations” means the daily weighted average concentration of five-day BOD is two hundred fifty milligrams per liter, and the daily weighted average concentration of suspended solids is two hundred fifty milligrams per liter, for each consecutive thirty-day period.

“Parts per million” shall be a weight ratio as the parts per million value multiplied by the factor 8.345 shall be equivalent to pounds per million gallons of water.

“Pass through” means a discharge which exits the POTW into waters of the state in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW's WPDES permit (including an increase in the magnitude or duration of a violation).

“Person” means any human, firm, company, partnership, corporation, association, group or society, and includes the state, and agencies, districts, commissions and political subdivisions created by or pursuant to state law.

“Ph” means the logarithm of the reciprocal of the concentration of hydrogen ions in grams per liter of solution.

“POTW” means any sewage treatment works and the sewers and conveyance appurtenance discharging thereto, owned and operated by the Wausau waterworks.

“POTW superintendent” means Wastewater Superintendent.

“Pretreatment” means application of physical, chemical or biological processes to reduce the amount of pollutants in or to alter the nature of the pollutant properties in a wastewater prior to discharging such wastewater into the POTW.

“Pretreatment coordinator” means Environmental Engineer.

“Pretreatment standards” means all applicable federal, state and local statutes, laws, ordinances, rules and regulations. In cases of conflicting standards or regulations, the more stringent thereof shall control.

“Residential customer” means a user who occupies a dwelling unit, as defined in section 23.02.140 of this code, where the water meter that serves such dwelling unit serves not more than one additional dwelling.

“Sanitary sewage” means a combination of water-carried wastes from residences, business buildings, institutions and industrial plants, (other than industrial wastes from such plants), together with such groundwaters, surface waters or storm waters as may be present.

“Sanitary sewer” means a sewer which carries wastewater and to which storm waters, surface waters and groundwaters are not intentionally admitted.

“Severe property damage” means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

Significant Industrial User.

(a) Except as provided in subdivision (b) of this subsection, the term “significant industrial user” means any industrial user of the city's wastewater disposal system who:

- (1) Is subject to categorical pretreatment standards; or

- (2) Discharges an average of twenty-five thousand gallons per day or more of process wastewater to the POTW (excluding sanitary, noncontact cooling, and boiler blow-down wastewater); or
- (3) Has a discharge which contains greater than normal wastewater concentrations, or contributes a process wastestream which constitutes five percent or more of the average dry weather hydraulic or organic capacity of the POTW treatment plant; or
- (4) Is designated as significant by the city on the basis that the industrial user has a reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement.

(b) Upon finding that an industrial user meeting the criteria in subdivision (a)(2) and (3) of this subsection has no reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement, the POTW may at any time, on its own initiative or in response to a petition received from an industrial user, and in accordance with 40 CFR 403.8(f)(6), determine that such an industrial user is not a significant industrial user.

"Shall" is mandatory.

"Slug" means any discharge of wastewater which exceeds for any period of duration longer than fifteen minutes at a flow rate more than five times the average twenty-four hour flows during normal operation and/or which concentration of any given constituent exceeds more than five times the average twenty-four hour concentration during normal operation or any nonroutine episodic discharge, such as a discharge resulting from a spill of a noncustomary batch discharge.

"State" means the state of Wisconsin.

"Storm water" means any flow occurring during or following any form of natural precipitation and resulting therefrom.

"Suspended solids (TSS)" means the total suspended matter that floats on the surface of, or is suspended in, water, wastewater or other liquids, a high percentage of which is removable by laboratory filtering.

"System" means any publicly owned devices, facilities, structures, equipment or works used for the purpose of the transmission, storage, treatment, recycling and reclamation of industrial and domestic wastes, or necessary to recycle or reuse water at the most economical cost over the estimated life of the system, including intercepting sewers, outfall sewers, sewage collection systems, pumping, power and other equipment, and their appurtenances, extension, improvements, remodeling, additions and alterations thereof, elements essential to provide a reliable recycled supply such as standby treatment units and clear well facilities, and any works, including site acquisition of the land that will be an integral part of the treatment process or is used for the ultimate disposal of residues resulting from such treatment.

“Toxic pollutants” means any pollutant or combination of pollutants listed as toxic in regulations promulgated by the Administrator of the U.S. Environmental Protection Agency under the provision of Section 307(a) of the Act.

“Unpolluted water” means water free from pollutants in excess of the quantities limited or prohibited by the federal, state or local effluent standards in effect, or water whose discharge will not cause any violation of federal, state or local receiving water quality standards.

“Upset” means an exceptional incident in which a discharger is unintentionally and temporarily in a state of noncompliance with pretreatment standards because of factors beyond the reasonable control of the discharger. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, lack of preventive maintenance, or careless or improper operation.

“User” means any person who discharges, causes or permits the discharge of wastewater into the wastewater treatment system.

“User classification” means a classification of user based on the Standard Industrial Classification (SIC) Manual prepared by the U.S. Office of Management and Budget.

“Wastewater” means the liquid and water-carried industrial or domestic wastes from dwellings, commercial buildings, industrial facilities and institutions, together with any groundwater, surface water and storm water that may be present, whether treated or untreated, which is discharged into or permitted to enter the POTW.

“Wausau area monitoring team” means those persons assigned the task of collecting samples of discharges from the premises of users. The team may also perform on-site inspection of premises.

“WDNR” means for Wisconsin Department of Natural Resources.

“Wisconsin Pollutant Discharge Elimination System (WPDES)” means the program established by Chapter 283, Wisconsin Statutes, for issuing, conditioning and denying permits for the discharge of pollutants from point sources into the waters of the state. (Ord. 61-5822 §42 (part), 2019; Ord. 61-5636 §1(part), 2014; Ord. 61-4859 §1(part), 1994.)

13.62.030 Prohibitions and limitations on wastewater discharge. (a) General Discharge Prohibitions. No user may contribute or cause to be contributed, directly or indirectly, to the wastewater system any pollutant or wastewater which will cause pass through or cause interference with the operation or performance of the wastewater system or POTW. No user shall contribute any of the following described substances into the wastewater system:

- (1) Oils and Grease. Any wastewater or materials containing fats, wax, grease or oils, whether emulsified or not, in excess of one hundred mg/l or containing substances which may solidify or become viscous at temperatures between zero and sixty-five degrees Celsius (thirty-two degrees Fahrenheit and one hundred fifty degrees Fahrenheit) at the point of discharge into the system.

- (2) Explosive Mixtures. Any substances which, by reason of their nature or quantity, may create a fire or explosion hazard or be injurious to the POTW or to the operation of the POTW, including, but not limited to, wastestreams with a closed cup flashpoint of less than one hundred forty degrees Fahrenheit or sixty degrees centigrade using test methods specified in 40 CFR 261.21. Prohibited materials include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides and sulfides.
- (3) Noxious Material. Noxious or malodorous solids, liquids or gases, which either singly, or by interaction with other wastes, are capable of creating a public nuisance or hazard to life, or are or may be sufficient to prevent entry by humans into the system for its maintenance and repair.
- (4) Improperly Shredded Garbage. Garbage that has not been ground or comminuted to such a degree that all particles will be carried freely in suspension under flow conditions normally prevailing in the public sewers, with no particle greater than one-half inch in any dimension.
- (5) Radioactive Wastes. Radioactive wastes or isotopes of such half life or concentration that they do not comply with regulations or orders issued by the appropriate authority having control over their use and which will or may cause damage or hazards to the system or personnel operating the system.
- (6) Solid or Viscous Wastes. Solid or viscous wastes which will or may cause obstruction to the flow in a sewer, require excessive cleaning or maintenance of the sewer or otherwise cause interference with the proper operation of the wastewater treatment system. Prohibited materials include, but are not limited to: grease, uncomminuted garbage, animal guts or tissues, paunch manure, bones, hair, hides or fleshing, entrails, whole blood, feathers, ashes, cinders, sand, spent lime, stone or marble dust, metal, glass, straw, shavings, grass clippings, rags, spent grains, spent hops, wastepaper, wood, plastic, tar, asphalt residues, residues from refining or processing of fuel or lubricating oil and similar substances, including petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin, in amounts that will cause interference or pass through.
- (7) Excessive Discharge Rate. Wastewater at a flow rate or containing such concentrations or quantities of pollutant that exceeds for any time period longer than fifteen minutes more than five times the average twenty-four hour concentration, quantities or flow during normal operation and that would cause a treatment process upset and subsequent loss of treatment efficiency.
- (8) Toxic Substances. Any wastewater containing toxic pollutants in sufficient quantity, either singly or by interaction with other substances, to injure or interfere with any wastewater treatment process, constitute a hazard to humans or animals, or

to exceed the limitations set forth in a categorical pretreatment standard. A toxic pollutant shall include, but not be limited to, any pollutant identified pursuant to Section 307(a) of the Act. Also included are those pollutants which will result in the presence of toxic gases, vapors or fumes within the POTW or the wastewater system in a quantity that may cause acute worker health and safety problems.

(9) Unpolluted Waters. Any unpolluted water including, but not limited to, water from cooling systems or of storm water origin, including roof, surface or subsurface drainage, which will increase the hydraulic load on the system.

(10) Discolored Material. Any substance with objectionable color not removed by the treatment system, such as, but not limited to, dye wastes and vegetable tanning solutions.

(11) Corrosive Wastes. Wastewater having a pH less than 5.5 or more than 12.0, or any waste which will cause corrosion or deterioration of the system.

(12) Heated Wastewater. Any wastewater having a temperature which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the wastewater temperature at the introduction into the POTW which exceeds forty degrees centigrade (one hundred degrees Fahrenheit).

(13) Adverse Affect to Effluent or Sludge. Any substance which may cause the POTW's effluent or any other product of the POTW such as residues, sludge or scum, to be unsuitable for reclamation and reuse or to interfere with the reclamation process. In no case shall a substance discharged to the POTW cause the POTW to be in noncompliance with sludge use or disposal criteria, guidelines or regulations developed under Section 405 of the Act; or any criteria, guidelines or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act, the Clean Air Act, the Toxic Substances Control Act or state criteria applicable to the sludge management method being used.

(14) Violate Discharge Permit. Any substance which will cause the POTW to violate its WPDES permit.

(15) Human Life Hazard. Any wastewater which causes a hazard to human life or creates a public nuisance.

(16) Hauled Materials. The Wausau waterworks commission ("commission") may allow wastewater which is hauled via truck or other conveyance to be discharged to the POTW. Prior to such discharge, the POTW superintendent may require a written report from the hauler describing the quantity, source of wastewater, laboratory analysis of the pollutant constituents and other information as deemed necessary.

The utility shall require that written permission and discharge conditions be issued by the POTW superintendent to the hauler prior to the discharge of any hauled wastewater. The approving authority will not allow any wastewater or pollutant that is hauled or trucked to be discharged to the wastewater system, except at points designated by the POTW superintendent.

(17) Bypass. An industrial user may allow any bypass to occur which does not violate pretreatment standards or requirements, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to subdivisions (A) and (B) of this subsection.

(A) Notice.

(i) Anticipated Bypass. If an industrial user knows in advance of the need for a bypass, it shall submit prior notice to the POTW, if possible at least ten days before the date of the bypass.

The POTW may approve an anticipated bypass, after considering its adverse effects, if the POTW determines that it will meet the three conditions listed in subdivision (B) of this subsection.

(ii) Unanticipated Bypass. Must comply with section 13.62.040(b)(7).

(B) Prohibition of Bypass. Bypass is prohibited, and the POTW may take enforcement action against an industrial user for a bypass, unless:

(i) Bypass was unavoidable to prevent loss of life, personal injury or severe property damage; or

(ii) There were no feasible alternatives to bypass, such as use of auxiliary treatment during normal periods of equipment downtime.

This condition is not satisfied if adequate back-up equipment should have been installed to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; or

(iii) The industrial user submitted notices as required by subdivision (A) of this subsection.

(18) Accidental or Slug Discharges. Each industrial user shall provide protection from accidental discharge of prohibited or regulated materials or substances established by this chapter. Where necessary, facilities to prevent accidental discharge of prohibited materials shall be provided and maintained at that person's cost and expense. Detailed plans showing facilities and operating procedures to

provide this protection shall be submitted to the pretreatment coordinator for review, and shall be approved by him before construction of the facility.

Each industrial user with existing facilities affected by this section shall submit plans to the superintendent within six months after the ordinance codified in this chapter is adopted. No industrial user who discharges to the POTW after that time shall be permitted to introduce industrial wastewaters into the system until the accidental discharge protection plans and procedures have been approved by the pretreatment coordinator. Review and approval of such plans and operating procedures by the pretreatment coordinator shall not relieve the industrial user from the responsibility to modify its facility as necessary to meet the requirements of this chapter.

A plan to control accidental or slug discharges shall contain the following information:

- (A) A description of discharge practices, including nonroutine batch discharges;
- (B) A description of stored chemicals;
- (C) Procedures for immediately notifying the utility of any accidental or slug discharge, as required in subdivision (A) of this subsection;
- (D) Procedures to prevent adverse impact from any accidental or slug discharge.

Such procedures may include, but are not limited to, inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, including solvents, and measures and equipment for emergency response.

Signs shall be permanently posted in conspicuous places on the industrial users premises, advising employees whom to call in the event of a slug or accidental discharge. Employers shall instruct all employees who may cause or discover such a dangerous discharge to occur with respect to the emergency notification procedure.

(b) Limitation on Wastewater Strength.

(1) Specific Pollutant Limitations. No person shall discharge within a twenty-four hour period, wastes or wastewater into the system containing the following materials in amounts exceeding for such twenty-four hour period both the concentration and quantity limits stated.

<u>Pollutant</u>	<u>Maximum Concentration mg/l*</u>	<u>Mass Loading lbs/24 hrs.</u>
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<u>Pollutant</u>	<u>Maximum Concentration mg/l*</u>	<u>Mass Loading lbs/24 hrs.</u>
Arsenic	0.22	0.06
Cadmium	0.27	0.08
Chromium (Total)	3.76	0.89
Copper	4.20	0.94
Cyanide	2.85	1.60
Lead	0.90	0.32
Mercury	0.0016	0.00048
Molybdenum	0.14	0.04
Nickel	1.87	0.33
Pentachloropheno l	0.74	0.22
Selenium	0.21	0.06
Silver	0.40	0.13
Zinc	6.06	1.08

* Based on a twenty-four hour composite sample

The control authority may develop Best Management Practices (BMPs), to implement the requirements of 13.62.030 and apply them in industrial wastewater discharge permits.

The approving authority reserves the right to amend this chapter to provide for more stringent limitations or requirements on discharges to the POTW where deemed necessary to comply with the objectives set forth in section 13.62.001 of this chapter.

(2) National Categorical Pretreatment Standards. National Categorical Pretreatment Standards as promulgated by the U.S. Environmental Protection Agency (EPA) pursuant to the Act shall be met by all persons of the regulated industrial categories.

The categorical pretreatment standards, if more stringent than other limitations imposed in this chapter, shall immediately supersede the limitations of this chapter. The pretreatment coordinator shall notify all affected persons of the applicable reporting requirements of the Act, particularly 40 CFR Part 403.12.

(3) **Deadline for Compliance with Categorical Standards.** Compliance by existing sources with categorical pretreatment standards shall be within three years of the date the standard is effective unless a shorter compliance time is otherwise specified. Existing sources which become industrial users subsequent to promulgation of an applicable categorical standard shall be considered existing industrial users.

New sources shall install and have in operating condition, and shall “start-up” all pollution control equipment required to meet applicable pretreatment standards before beginning to discharge. Within the shortest feasible time not to exceed ninety days) new sources must meet all applicable pretreatment standards.

(4) **Equivalent Limits.**

(A) When the limits in a categorical pretreatment standard are expressed only in terms of mass of pollutant per unit of production, the POTW may convert the limits to equivalent limits expressed either as mass of pollutant discharged per day or effluent concentration.

(B) A POTW shall calculate equivalent mass-per-day limitations by multiplying the limits in the standard by the industrial user's average rate of production. This average rate of production shall be based upon a reasonable measure of the industrial user's actual long-term daily production, such as the average daily production during a representative year. New sources shall use projected production in place of actual production.

(C) A POTW shall calculate equivalent concentration limits by dividing the mass limitations derived under subdivision (B) by the average daily flow rate of the industrial user's regulated process wastewater. This average daily flow rate shall be based upon a reasonable measure of the industrial user's actual long-term average flow rate, such as the average daily flow rate during the representative year.

(D) The same production of flow figure shall be used in calculating maximum daily discharge limitations and maximum monthly average, or four-day average, limitations.

(E) Any industrial user operating under a control mechanism incorporating equivalent mass or concentration limits shall notify the POTW within two business days after the user has a reasonable basis to know that the production level will significantly change.

(5) **Removal Credits.** The Act 40 CFR, Part 403.7, allows removal credit for certain pollutants limited by the categorical pretreatment standards. The pretreatment coordinator may consider a written request from a person impacted by the categorical pretreatment standards. If the wastewater treatment system achieves consistent removal of such pollutants limited by the categorical pretreatment standards, the pretreatment coordinator may apply to the state and federal authorities

in accordance with the Act. Removal credits will not be taken into consideration until authorization is received from the state or federal agencies, and the specific pollutant discharge limits are amended by this chapter.

(6) Dilution. No discharger shall increase the use of potable or process water, or in any way attempt to dilute a discharge, as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable pretreatment standard or requirement. The pretreatment coordinator may impose mass limitations on industrial users which are suspected of using dilution to meet applicable pretreatment standards or requirements, or in other cases when the imposition of mass limitations is appropriate. (Ord. 61-5822 §44 (part), 2019; Ord. 61-5636 §2(part), 2014; File No. 11-0507; Ord. 61-5124 §1, 2001, File No. 01-0730; Ord. 61-5008 §1, 1998; Ord. 61-4878 §1, 1994; Ord. 61-4859 §1(part), 1994.)

13.62.040 Control of prohibited wastes. (a) Wastewater Discharge Permits.

(1) Required Permits. All significant users, new or existing, proposing to connect to or contribute wastewater to the POTW shall obtain a wastewater discharge permit before connecting to or discharging to the POTW. If the significant use has multiple regulated outfalls, a separate permit is required for each regulated outfall.

(2) Permit Application. Persons required to obtain a wastewater discharge permit or maintain an existing permit shall complete and file an application, in the form prescribed by the commission, with the pretreatment coordinator.

All new significant industrial users shall submit a permit application at least ninety days prior to connecting to the system or contributing wastewater to the POTW. Copies of the wastewater permit application may be obtained from the office of the:

Director of Public Works & Utilities
407 Grant Street
Wausau, WI 54403

In support of the application, the applying person shall submit the following information:

- (A) Name, address and location (if different from the address);
- (B) SIC number according to the Standard Industrial Classification Manual;
- (C) Site plans, floor plans, mechanical and plumbing plans and details to show all sewers and appurtenances by size, location and elevation;

(D) Description of activities, facilities and plant processes on the premises including all materials stored or used which are, or could be, discharged to include, but not be limited to, raw materials, intermediate materials, catalysts, products and byproducts, and other materials as required. Furthermore, the description shall include solvents, chemicals and cleaning agents that may be introduced into the treatment system via accidental spill or mishap;

(E) Each product produced by type, amount and rate of production;

(F) A baseline report shall be submitted with the permit application by industrial users subject to categorical standards to provide data required for the application. The industrial user shall identify the pretreatment standards applicable to each regulated process, and shall:

(i) Submit the results of sampling and analysis identifying the nature and concentration of regulated pollutants in the discharge from each regulated process. Both daily maximum and average concentrations shall be reported. The sample shall be representative of daily operations.

(ii) A minimum of four grab samples must be used for pH, cyanide, total phenols, oil and grease, sulfide and volatile organics. For all other pollutants, twenty-four hour composite samples must be obtained through flow-proportional composite sampling techniques where feasible. The pretreatment coordinator may waive flow-proportional composite sampling for any industrial discharger that demonstrates that flow-proportional sampling is infeasible. In such cases samples may be obtained through time-proportional composite sample techniques or through a minimum of one grab samples where the discharger demonstrates that this will provide a representative sample of the effluent being discharged.

The discharger shall take a minimum of one representative sample to compile that data necessary to comply with the requirements of this paragraph.

(iii) Samples should be taken immediately downstream from pretreatment facilities if such exist or immediately downstream from the regulated process if no pretreatment exists.

If other wastewaters are mixed with the regulated wastewater prior to pretreatment, the discharger should measure the flows and concentrations necessary to allow the use of the combined wastestream formula according to 40 CFR 403.6(e).

(iv) Sampling and analysis shall be performed in accordance with the techniques described in 40 CFR Part 136 and amendments thereto. Where 40 CFR Part 136 does not contain sampling or analytical techniques for the pollutant in question, or where the administrator determines that the sampling and analytical techniques described in 40 CFR Part 136 are inappropriate for the pollutant in question, sampling and analysis shall be performed by using validated analytical methods or any other applicable sampling and analytical procedures, including procedures suggested by the POTW or other persons, approved by the WDNR.

(G) Time and duration of wastewater contribution;

(H) Average, daily and fifteen-minute peak wastewater flow rates, including daily, monthly and seasonal variations, if any;

(I) The nature and concentration of any pollutants in the discharge which are limited by any city, state or national categorical pretreatment standards, and a statement regarding whether or not the pretreatment standards are being met on a consistent basis and if not, whether additional operation and maintenance and/or additional pretreatment is required for the user to meet applicable pretreatment standards;

(J) Number of employees and hours worked;

(K) Any other information as may be necessary to evaluate the permit application;

(L) All permit applications shall be signed by an authorized representative of the user. (Ord. 61-5655 §1, 2015, File No. 11-0507)

(3) Permit Processing.

(A) The pretreatment coordinator will evaluate the data furnished with the permit application. Further requests for additional information may be made until the application is complete. Within ninety days after all information is complete, a written response to the application will be prepared to address any concerns, terms or conditions that may be appropriate for meeting the requirements of this chapter, and may require the industrial user to obtain a wastewater discharge permit. A permit shall be obtained by the industrial user if any one of the following conditions prevail:

(i) The user discharges wastewater which, or will, contain one or more pollutants with conditions as defined in section 13.62.030(a) of this chapter;

- (ii) The user discharges wastewater which, or will, contain one or more pollutants as listed in section 13.62.030(b)(1) of this chapter;
- (iii) The user is, or will be, subject to National Categorical Pretreatment Standards;
- (iv) The user is or will be discharging wastewaters with concentrations of BOD and/or TSS higher than normal wastewater concentrations;

(B) The approving authority will notify the user, by certified mail, of one of the following:

- (i) A wastewater discharge permit shall be issued to the user and become effective within five days of the date of issuance; or
- (ii) A wastewater discharge permit shall be denied to the user for reasons as specified; or
- (iii) A wastewater discharge permit shall not be required of the user unless a change in operations occurs which may affect wastewater constituents and characteristics or more stringent limitations are required.

(4) Permit Fees and Charges. The commission will adopt fees and charges for the recovery of costs from the users of the city's POTW for the implementation of the requirements of this chapter.

The utility bills the permit fees and charges directly to the significant industrial users both in the city and also those in contracted municipalities that discharge to the Wausau POTW via sewer system connections. Permit fees will be evaluated and amended as necessary to reflect current costs. The fees for regulated customers are defined in chapter 13.64.020.

The charges for laboratory analysis of the sample will be charged to each user on a case-by-case basis reflecting the actual charges for commercial laboratory costs. Other charges that may be billed to specific users include costs for processing requests for removal credits for categorical pretreatment standards. The above fees and charges relate only to matters in this chapter. (Ord. 61-5476 §1, 2011, File No. 11-0507)

(5) Permit Modifications. Within nine months of the promulgation of national categorical pretreatment standards the wastewater discharge permit of industrial users subject to such standards or requirements shall be revised to require compliance with such standards within the time frame prescribed by such standards.

Where an industrial user subject to national categorical pretreatment standards has not previously submitted an application for a wastewater discharge permit as required by this chapter, the industrial user shall apply for a wastewater discharge permit within one hundred eighty days after the promulgation of the applicable national categorical pretreatment standards or pretreatment requirements.

In addition, the industrial user with an existing wastewater discharge permit shall submit to the pretreatment coordinator within one hundred eighty days after the promulgation of applicable national categorical pretreatment standards the information required by this chapter.

The terms and conditions of the permit may be subject to modification by the city during the term of the permit as limitations or requirements identified in this chapter are modified or as other just causes exist. The industrial user shall be informed of any proposed changes in his permit at least thirty days prior to the effective date of change. Any changes or new conditions in the permit shall include a reasonable time schedule for compliance.

(6) Permit Conditions. Wastewater discharge permits shall be expressly subject to all provisions of this chapter and all other applicable regulations, user charges and fees established by the city. The permit shall contain the following conditions:

- (A) Statement of duration (in no case more than five years);
- (B) Statement that the permit is nontransferable without, at a minimum, prior notification to and approval from the utility, and provision of a copy of the existing wastewater discharge permit to the new owner or operator;
- (C) Effluent limits, including Best Management Practices, based on applicable pretreatment standards and local limits as established by this ordinance, and state and local law;
- (D) Self-monitoring, sampling, reporting, notification and recordkeeping requirements, including an identification of the pollutants to be monitored, sampling location, sampling frequency and sample type, based on federal, state and local law;
- (E) Statement of applicable civil and criminal penalties for the violation of pretreatment standards and requirements, and any applicable compliance schedule. Such schedules may not extend the compliance date beyond federal, state or local deadlines;
- (F) Compliance schedules;
- (G) Requirements for submission of technical reports or discharge reports;

- (H) Requirements for maintaining and retaining plant records relating to wastewater discharge as specified by the city, and affording city access thereto;
 - (I) Requirements for notification to the pretreatment coordinator in advance of any new introduction of wastewater pollutants or any substantial change in the volume or character of the pollutants in their discharge, including the listed or characteristic hazardous wastes for which the industrial user has submitted initial notification under 40 CFR 403.12(p);
 - (J) Requirements for notification of slug discharges as per this chapter;
 - (K) Requirements to control Slug Discharge, if determined by the control authority to be necessary;
 - (I) Other conditions as deemed appropriate by the city to ensure compliance with this chapter.
- (7) Permit Duration. Wastewater discharge permits shall be issued for a period of five years. The users shall apply for permit reissuance a minimum of ninety days prior to the expiration of the user's existing permit. A general review process will be conducted prior to renewal.
- The review process will evaluate any violations of compliance schedules, report completeness and accuracy, and other pertinent information germane to the reissuance of the permit.
- (8) Permit Transfer. Wastewater discharge permits are issued to a specific industrial user for a specific operation. A wastewater discharge permit shall not be reassigned or transferred or sold to a new owner, new user, different premises or a new or changed operation without the approval of the commission. Any succeeding owner or user shall also comply with the terms and conditions of the existing permit.
- (9) Appeals Procedure. A user desiring to appeal to the commission regarding the pretreatment limitations, pretreatment requirements or conditions of an issued wastewater discharge permit shall file petition for appeal with the approving authority within twenty days of the issuance date of the permit or modification thereof. If the user does not file a petition for appeal within that time, the issued permit is final.
- (b) Reporting Requirements for Permittee.
- (1) Compliance Date Report. Within ninety days following the date for final compliance with applicable categorical pretreatment standards or, in the case of a new source, following commencement of the introduction of wastewater into the

POTW any user subject to categorical pretreatment standards and pretreatment requirements shall submit to the pretreatment coordinator a report which shall include the following information:

- (A) Indicating the nature and concentration of all pollutants in the discharge from the regulated process which are limited by categorical pretreatment standards and pretreatment requirements;
 - (B) The average and maximum daily flow for these process units in the user's facility which are limited by such categorical pretreatment standards and pretreatment requirements;
 - (C) The report shall state whether the applicable categorical pretreatment standards and pretreatment requirements are being met on a consistent basis and, if not, what additional operation and maintenance and/or pretreatment is necessary to bring the industrial user into compliance with the applicable categorical pretreatment standards and pretreatment requirements. This statement shall be signed by an authorized representative of the industrial user and certified to by a registered professional qualified to certify the report.
- (2) Periodic Compliance Reports.
- (A) Are required to be submitted to the pretreatment coordinator by: (i) any user subject to a categorical pretreatment standard, after the compliance date of such pretreatment standard; (ii) in the case of a new source, after commencement of the discharge of wastewater to the POTW; (iii) any significant noncategorical user shall submit to the POTW semiannual compliance reports. The reports are to be submitted according to the dates specified in each users permit.
 - (B) The reports required in this subsection (b) shall be based upon data obtained through appropriate sampling and analysis performed during the period covered by the report, which data is representative of conditions occurring during the reporting period.

The POTW shall require that frequency of monitoring which is necessary to assess and assure compliance by industrial users with applicable pretreatment standards and requirements.

(C) The sampling and analysis for the periodic compliance reports that are required from the significant industrial user may be performed by the approving authority in lieu of the significant industrial user. Where the POTW itself collects all the information required for the report, the significant industrial user will not be required to submit the report.

(D) If any industrial user subject to the reporting requirement in this subsection (b)(2) monitors any pollutant more frequently than required by the POTW, using the procedures prescribed in this section, the results of this monitoring shall be included in the report.

In cases where a local limit requires compliance with Best Management Practices or pollution prevention alternative, the user shall submit documentation required by the utility to determine the compliance status of the user.

(E) The periodic compliance reports shall include the following information:

- (i) A record of all daily flows which, during the reporting period, exceeded the average daily flow allowed by the permit;
- (ii) Concentration and daily quantity of pollutants in the wastewater discharge which are controlled by this chapter, by the categorical pretreatment standards and/or others as required by the permit;
- (iii) When flows and/or pollutant concentration or quantities exceed the requirements of this chapter and permit limitations, a discussion as to the reason for the result and how the situation is to be corrected shall be given;
- (iv) Any projected changes in production quantity and schedule which could change discharge characteristics in the future period;
- (v) For industrial users subject to equivalent mass or concentration limits established by the POTW in accordance with the procedures in 40 CFR 403.6(c), the report required shall contain a reasonable measure of the users long-term production rate.
- (vi) Documentation associated with Best Management Practices required by the facility's permit.

For all other industrial users subject to categorical pretreatment standards expressed only in terms of allowable pollutant discharge per unit of production (or other measure of operation), the report required shall include the user's actual average production rate during the reporting period.

(3) Signatory Requirements. All wastewater discharge permit applications and industrial user reports must contain the following certification statement and be signed by an authorized representative of the industrial user. "I certify under penalty

of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

(4) Sampling and Analysis Violation Requirements. If sampling performed by an industrial user indicates a violation, the user shall notify the POTW within twenty-four hours of becoming aware of the violation. The user shall also repeat the sampling and analysis within thirty days after becoming aware of the violation and submit the results of the repeat analysis to the POTW within thirty days. The industrial user is not required to resample if:

(A) The POTW performs sampling at the industrial users at a frequency of at least once per month; or

(B) The POTW performs sampling at the user between the time when the user performs its initial sampling and the time when the user receives the results of this sampling or if the utility has performed the sampling and analysis in lieu of the Industrial User.

(5) Accidental or Slug Discharges. Users shall notify the POTW superintendents immediately (at any hour of the day or night by the fastest and most effective means possible) upon having a slug or accidental discharge or violation of this chapter that could cause problems to the POTW, in order to enable countermeasures to be taken by the city to minimize damage to the POTW and the receiving waters. The notification shall include the location of discharge, type of waste, concentration and volume and corrective actions taken by the user.

Within five days of the date of occurrence, the user shall submit to the pretreatment coordinator a detailed written statement describing the cause(s) of the discharge and the measures to be taken by the user to prevent similar future occurrences.

(6) Notification of Changed Discharge. All industrial users shall promptly notify the POTW in advance of any substantial change in the volume or character of pollutants in their discharge, including the listed or characteristic hazardous wastes for which the industrial user has submitted initial notification under section 13.62.030 (a)(18).

For the purposes of this requirement, substantial changes include, but are not limited to, flow increases or decreases of twenty-five percent or greater, and the discharge of any previously unreported pollutants. Industrial Users are required to

notify the POTW immediately of any changes at its facility affecting the potential for a Slug Discharge.

(7) Bypass. An industrial user shall submit oral notice of an unanticipated bypass that exceeds applicable pretreatment standards to the POTW within twenty-four hours from the time it becomes aware of the bypass. A written submission shall also be provided within five days of the time the industrial user becomes aware of the bypass. The written submission shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times, and, if the bypass has not been corrected, the anticipated time it is expected to continue; and steps to be taken or planned to reduce, eliminate and prevent recurrence of the bypass.

(8) Hazardous Waste Notification.

(A) Any industrial user who commences the discharge of hazardous waste shall notify the POTW, the EPA Region V Waste Management Division Director, and the DNR Bureau of Solid and Hazardous Waste Management in writing of any discharge into the POTW of a substance which, if otherwise disposed of, would be a hazardous waste under 40 CFR Part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR Part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch or other). If the industrial user discharges more than one hundred kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the industrial user: an identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following twelve months. All notifications must take place no later than one hundred eighty days after the discharge commences.

(B) Dischargers are exempt from the hazardous waste notification requirement during a calendar month in which they discharge fifteen kilograms or less of nonacute hazardous wastes. Discharge of any quantity of acute hazardous waste as specified in 40 CFR 261.30(d) and 261.33(e) requires a one-time notification.

(C) In the case of any new regulations under Section 3001 of Resource Conservation and Recovery Act (RCRA) identifying additional characteristics of hazardous waste or listing any additional substance as a hazardous waste, the user must notify the pretreatment coordinator, the EPA Regional Waste Management Division Director and the state hazardous waste authorities of the discharge of such substance within ninety days of the effective date of such regulations.

(D) In the case of any notification made under this section, the user shall certify that it has a program in place to reduce the volume and toxicity of hazardous wastes generated to the degree it has determined to be economically practical.

(E) This provision does not create a right to discharge any substance not otherwise permitted to be discharged by this chapter, a permit issued thereunder, or any applicable federal or state law.

(9) Effect of an Upset.

(A) An upset shall constitute an affirmative defense to an action brought for noncompliance with pretreatment standards if the requirements of subdivision (9)(B) of this subsection are met.

(B) An industrial user who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(i) An upset occurred and the user can identify the cause(s) of the upset;

(ii) The facility was at the time being operated in a prudent and workman-like manner and in compliance with applicable operation and maintenance procedures;

(iii) The user has submitted the following information to the pretreatment coordinator within twenty-four hours of becoming aware of the upset (if this information is provided orally, a written submission must be provided within five days):

a. A description of the discharge and cause of noncompliance,

b. The period of noncompliance, including exact dates and times or, if not corrected, the anticipated time the noncompliance is expected to continue,

c. Steps being taken and/or planned to reduce, eliminate and prevent reoccurrence of the noncompliance.

(C) In any enforcement proceeding the user seeking to establish the occurrence of an upset shall have the burden of proof.

(D) The user shall control production or all discharges to the extent necessary to maintain compliance with the pretreatment standards upon

reduction, loss or failure of its treatment facility until the facility is restored or an alternative method of treatment is provided. This requirement applies in the situation where, among other things, the primary source of power of the treatment facility is reduced, lost or fails.

(c) Pretreatment.

Required Facilities. Users shall provide the necessary wastewater treatment as required to comply with this chapter and shall achieve compliance with all national categorical pretreatment standards and pretreatment requirements within the time limitations as specified by the federal pretreatment regulations or pretreatment requirements. Any facilities required to pretreat wastewater to a level acceptable to the utility shall be provided, operated and maintained at the industrial user's expense.

Detailed plans showing the pretreatment facilities and operating procedures shall be submitted to the pretreatment coordinator and to the Wisconsin DNR for review, and shall be acceptable to the utility and the Wisconsin DNR before construction of the facility.

The review of such plans and operating procedures will in no way relieve the user from the responsibility of modifying the facility as necessary to produce an effluent acceptable as required by the provisions of this chapter. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to and be acceptable to the utility prior to the industrial user's initiation of the changes. All records relating to compliance with any applicable pretreatment standards or pretreatment requirements shall be made available to officials of EPA, Wisconsin DNR or pretreatment coordinator upon request.

If additional pretreatment and/or operation and maintenance will be required to meet the applicable pretreatment standards, the user shall include in the permit application the shortest schedule by which the user will provide such additional pretreatment. The completion date in this schedule shall not be later than the compliance date established for the applicable pretreatment standard.

The following conditions shall apply to this schedule:

(1) The schedule shall contain increments of progress in the form of dates for the commencement and completion of major events leading to the construction and operation of additional pretreatment required for the user to meet the applicable categorical pretreatment standards (e.g., hiring an engineer, completing preliminary plans, completing final plans, executing contracts for major components, commencing construction, and completing construction). No increment shall exceed nine months.

(2) Not later than fourteen days following each date in the schedule and the final date for compliance, the user shall submit a progress report to the pretreatment coordinator.

This progress report shall include, at a minimum, whether or not the user complied with the increment of progress to be met on such date and, if not, the date on which the user expects to comply with this increment of progress, the reason for delay, and the steps being taken by the user to return the construction to the schedule established.

In no event shall more than nine months elapse between such progress reports to the pretreatment coordinator.

(d) Grease, Oil and Sand Interceptors. Grease, oil and sand interceptors shall be provided as required by Chapter ILHR 82, Wisconsin Administrative Code, for the proper handling of liquid wastes containing grease in excessive amounts or any flammable wastes, sand or other harmful ingredients, except that such interceptors shall not be required for private living quarters or dwelling units. All interceptors shall be of a type and capacity approved by the utility, and shall be located so as to be readily and easily accessible for cleaning and inspection.

(e) Admission to Property.

(1) The Director of Public Works and Utilities, POTW superintendent, pretreatment coordinator, their designated representatives, the Wisconsin DNR and the EPA, shall be permitted to enter all properties for the purposes of inspection, observation, measurement, sampling and records examination and copying, in accordance with the provisions of this chapter. The personnel shall not inquire into any industrial processes, including metallurgical, chemical, oil refining, ceramic, paper or other processes, except as they affect the kind and source of discharge to the system.

(2) While performing the necessary work on private properties referred to in subsection (e)(1) of this section, all personnel shall observe all safety rules applicable to the premises established by the user, not inconsistent with the inspection process.

(3) Specific easements for the purposes of, but not limited to, inspection, observation, measurement, sampling, repair and maintenance of any portion of the sanitary sewer lying within the easement may be required. All entry and subsequent work, if any, on the easement shall be done in full accordance with the terms of the duly negotiated easement pertaining to the private property involved.

(f) Confidential Information. Information and data on a user obtained from reports, questionnaires, permit applications, permits and monitoring programs and from inspections shall be available to the public and governmental agencies without restrictions unless the user specifically requests, and is able to demonstrate to the satisfaction of the approving authority, that the release of such information would divulge information, processes or methods of production entitled to protection as trade secrets of the user under Section 134.90(1)(c) of the Wisconsin Statutes.

When confidentiality is requested and demonstrated by the industrial user furnishing a report, the portions of a report which might disclose trade secrets or secret processes shall not be made

available for inspection by the public, but shall be made available, upon written request, to governmental agencies for uses related to this chapter, the WPDES permit, State Disposal System permit and/or the pretreatment programs; provided, however, that such portions of a report shall be available for use by the state or any state agency in judicial review or enforcement proceedings involving the industrial user furnishing the report. Wastewater constituents and characteristics will not be recognized as confidential information.

Information accepted by the authority as confidential, shall not be transmitted to any governmental agency or to the general public by the authority until and unless a ten-day notification is given to the user. (Ord. 61-5822 §44 (part), 2019; Ord. 61-5636 §3(part), 2014); Ord. 61-5054 §1, 1999; Ord. 61-5001 §1(part), 1998; Ord. 61-4859 §1(part), 1994.)

13.62.050 User wastewater monitoring and analysis. (a) Monitoring of User Wastewater. Monitoring shall conform to the following standards:

(1) All user wastes discharged into the system shall be subject to periodic inspection to include but not be limited to, inspection of records related to monitoring, sampling and analysis of such wastewater kept by the user and a determination of the volume, character and concentration, by the pretreatment coordinator as often as deemed necessary by utility.

Persons or occupants of premises where wastewater is created or discharged shall allow the city or their representative ready access at all times to all parts of the premises for purposes of inspection, sampling, records examination or in the performance of any of their duties.

The volume of flow shall be determined from the metered water consumption of the user or from a wastewater metering survey. Sampling may consist of either instantaneous grab samples or composite samples of wastewater. The costs of such testing and flow determination shall be charged to the user.

(2) The user discharging wastes into the system shall install and pay for a suitable control manhole or access facilities to facilitate the accurate observation, sampling and measurement of wastes.

Such equipment shall be maintained in proper working order and kept safe and accessible at all times by the user.

(3) The control manhole or access facilities shall be located and maintained on the user's premises outside of the building. When such a location would be impractical or cause undue hardship on the user, the Director of Public Works may allow such access to be constructed in the public street or sidewalk area, with the approval of the local governing body, and located so that it will not be obstructed by public utilities, landscaping or parked vehicles.

(4) When more than one user can discharge into a common lateral, the local or Director of Public Works and Utilities may require installation of separate control manholes or access facilities for each user. When there is a significant difference in wastewater constituents and characteristics produced by different operations of a single user, the Director of Public Works and Utilities may require that separate control manholes or access facilities be installed for each separate discharge.

(5) Whether constructed on public or private property, the control manhole or access facilities shall be constructed in accordance with the Director of Public Works and Utilities requirements and all applicable standards and specifications.

A location plan and construction details of the control manhole or access facilities shall be submitted to the Director of Public Works and Utilities for review and approval prior to construction.

(6) Except as designated in subsection (a)(7) of this section, the volume of flow used for computing user charges shall be the metered water consumption of the industrial user as shown in the records of meter reading maintained by the utility.

(7) Devices for measuring the volume of waste discharged may be required by the pretreatment coordinator or POTW superintendent, if this volume cannot otherwise be determined from the metered water consumption records. Metering devices for determining the volume of waste shall be installed, owned and maintained by the user.

Following approval and installation, such meters may not be removed without the consent of the utility.

(b) Analysis of User Wastewaters. All laboratory analysis for all required monitoring shall be performed by laboratories certified by the Wisconsin DNR and in accordance with NR 219 Wis. Admin. Code and procedures established pursuant to Section 304(h) of the Act and contained in 40 CFR, Part 136 and amendments thereto. Any alternate sampling or analytical procedures must have Wisconsin Department of Natural Resources approval. (Ord. 61-5822 §45 (part), 2019; Ord. 61-4859 §1(part), 1994.)

13.62.060 Enforcement procedures. (a) Emergency Suspension of Service and Discharge Permits. The utility may, for good cause shown, suspend the wastewater treatment service and the wastewater discharge permit of a person when it appears to the utility that an actual or threatened discharge presents or threatens:

- (1) An imminent or substantial danger to the health or welfare of persons; or
- (2) Substantial danger to the environment; or
- (3) Interference with the operation of the POTW; or

- (4) Violation of any pretreatment limits imposed by this chapter, or any wastewater discharge permit issued pursuant to this chapter.

Any user notified of the suspension of the city's wastewater treatment service and/or the user wastewater discharge permit shall immediately cease all discharges. In the event of failure of the user to comply voluntarily with the suspension order, the city shall commence judicial proceedings or take such other measures deemed necessary, including immediate severance of the sewer connection.

The city shall reinstate the wastewater discharge permit and/or the wastewater treatment service and terminate judicial proceedings pending proof by the user of the elimination of the noncomplying discharge or conditions creating the threat of imminent or substantial danger as set forth above.

(b) Accidental or Slug Discharges. If the discharge did cause pass through, interference with the operation of the wastewater system or POTW and/or damage in the wastewater system or if it is documented that the industry has repeatedly caused pass through, interference with the operation of the wastewater system or POTW at the POTW, the utility may serve the industry with a written notice of violation, order the industry to show cause why enforcement action should not be taken, or, depending on the severity and extent of the violation, commence legal action against the user for legal and/or equitable relief in a court of competent jurisdiction.

(c) Notice of Noncompliance. Any user that violates any condition or limitation of this chapter or the waste-water discharge permit may be issued a notice of noncompliance by the utility, except where significant noncompliance defined in subsection (i) of this section justifies immediate issuance of a notice of violation. The notice of noncompliance will explain the nature of the noncompliance and require that the user, within thirty days of the date of the notice, file a plan for correcting the noncompliance.

If the pretreatment coordinator approves the submitted plan and the user complies with the submitted plan to correct the violation, no further action may be taken against the user. If the user does not submit a plan acceptable to the utility, fails to submit a plan or does not comply with the submitted plan, the utility may take action in accordance with subsection (d) of this section.

(d) Notice of Violation. Any user that violates any condition or limitation of this chapter, the wastewater discharge permit, or has failed to provide an acceptable plan for expeditious corrective action as required under the notice of noncompliance, may be served by the utility with a written notice of violation via registered mail (return receipt requested). Within thirty days of the receipt date of the issuance of the violation notice, the user must submit to the pretreatment coordinator an explanation of the violation and a plan for the satisfactory correction and prevention thereof. Included in this plan must be a schedule for a pollution prevention audit to be conducted at the users facility (if none has been conducted within the past three years).

If the pretreatment coordinator approves the submitted plan and the user complies with the submitted plan to correct the violation, no further action may be taken against the user.

If, however, the user does not comply with the plan or if the plan does not correct the violation, the commission has the option to do any of the following: take legal action against the industry for the imposition of forfeitures and recovery costs for damage incurred as a result of the user's discharge, revoke the user's wastewater discharge permit, and/or discontinue sewer service to the user.

(e) Show Cause Hearing. A show cause hearing shall be conducted as follows:

(1) If the violation is not corrected by timely compliance, the utility may order any alleged violator to show cause before the commission why sewer service should not be terminated. A notice shall be served on the alleged violator specifying the charges and the time and place of the hearing thereon.

The notice shall be served personally or by certified mail, return receipt requested, at least eight days before the hearing. Service shall be made as indicated in Section 801.11 of the Wisconsin Statutes.

(2) The approving authority may itself conduct the hearing and take the evidence, or may designate some person, excluding a member, to be the hearing examiner to:

(A) Issue subpoenas requiring the attendance of witnesses and the production of evidence relevant to any matter involved in any such hearing;

(B) Take testimony and rule on the introduction of evidence;

(C) File findings of fact and conclusions of law with the approving authority.

(3) At any public hearing, testimony taken before the commission shall be under oath and recorded stenographically or electronically. The transcript shall be made available to any person upon payment of the charges therefor.

(4) After the commission has reviewed the evidence, it may issue an order to the violator directing that, following a specified time period, the sewer service be discontinued unless adequate treatment facilities, devices or other related appurtenances have been installed, or existing treatment facilities, devices or other related appurtenances are properly operated, and such further orders and directives as are necessary and appropriate.

(f) Legal Action. Any discharge in violation of this chapter shall be considered a public nuisance. The commission shall bring an action for appropriate legal and/or equitable relief to abate the nuisance and enforce this chapter.

(g) Pretreatment Coordinator Jurisdiction Limited. The orders issued to a user in another municipality by the pretreatment coordinator shall be countersigned by the Director of Public Works and Utilities if such orders are to be grounds for any enforcement action under this chapter except

for enforcement action taken pursuant to subsection (e)(2)(B) of this section. Where plans, etc., are to be submitted to the pretreatment coordinator for approval, the pretreatment coordinator shall act thereon within ten working days after receipt thereof.

This subsection is not a waiver by the utility of any right it may have to commence any action, legal or equitable, to enforce any right, duty or obligation, it, another utility, municipality, or a user, may possess or be subject to.

(h) Right of Appeal. Any user or any interested party shall have the right to request in writing an interpretation or ruling by the commission on any matter covered by this chapter and shall be entitled to a prompt written reply.

In the event that such inquiry is by a user and deals with matter of performance or compliance with this chapter or deals with a wastewater discharge permit issued pursuant to this chapter for which enforcement activity relating to the alleged violation is the subject, receipt of a user request shall stay all enforcement proceedings pending receipt of the aforesaid written reply. Appeal of any final judicial order entered pursuant to this chapter may be taken in accordance with local and state law.

(i) Annual Publication. The commission shall publish, in a newspaper of general circulation that provides meaningful public notice within the jurisdictions served by the utility by March 31 of each year, a list of the industrial users which, during the previous year, were in significant noncompliance with applicable pretreatment standards or requirements.

For the purpose of this provision, a significant industrial user is in significant noncompliance if its violation meets one or more of the following criteria, while a non-significant industrial user has been in significant non-compliance if criteria in subd 3, 4, or 8 apply:

- (1) Chronic violations of wastewater discharge limits, defined as those in which sixty-six percent or more of all of the measurements of the industrial user's wastewater for the same pollutant taken during a six-month period exceeded by any magnitude, any numeric pretreatment standard or requirement including an instantaneous limit;
- (2) Technical review criteria (TRC) violations, defined as those in which thirty-three percent or more of all the measurements of the industrial user's wastewater for the same pollutant taken during a six-month period equaled or exceeded the product of the numeric pretreatment standard or requirement including an instantaneous limit multiplied by either 1.4 for BOD, TSS, and fats, -oil and grease; 1.2 for all other pollutants except pH; or exceeded a pH limit by .4 standard units);
- (3) Any other violation of a pretreatment effluent limit (daily maximum or longer-term average) that the pretreatment coordinator determines has caused, alone or in combination with other discharges, interference or pass through, including endangering the health of POTW personnel or the general public;

- (4) Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or to the environment or has resulted in the POTW's exercise of its emergency authority under this section to halt or prevent such a discharge;
- (5) Failure to meet, within ninety days of the scheduled date, a compliance schedule milestone contained in a wastewater discharge permit or enforcement order for starting construction, completing construction or attaining final compliance;
- (6) Failure to provide, within forty-five (45) days after the due date, required reports containing all required monitoring results and other information such as baseline monitoring reports, periodic self-monitoring reports, and reports on compliance schedules;
- (7) Failure to accurately report noncompliance; or
- (8) Any other violation or group of violations which may include a violation of Best Management Practices, which the pretreatment coordinator determines will adversely affect the operation or implementation of the local pretreatment program.

(j) **Recordkeeping and Records Retention.** All discharges subject to this chapter shall retain and preserve for no less than three years, any records, books, documents, memoranda, reports, correspondence and any and all summaries thereof, relating to monitoring, sampling and chemical analyses made by or in behalf of a user in connection with its discharge and documentation associated with Best Management Practices established.

All records which pertain to matters which are the subject of any enforcement or litigation activities brought by the city pursuant to this chapter shall be retained and preserved by the user until all enforcement activities have concluded and all periods of limitations with respect to any and all appeals have expired. The utility will retain all records for the same length of time. (Ord. 61-5822 §46 (part), 2019; Ord. 61-5636 §4(part), 2014; Ord. 61-4859 §1(part), 1994.)

13.62.070 Penalties—Costs. (a) **Civil Penalty.** Any user who is found to have violated any order or provision of this chapter, and the orders, rules and regulations issued under this chapter, may be fined up to one thousand dollars (40 CFR 403.8(f)(1)(vi)(a)), per day for each violation. Each day of violation may be deemed a separate offense and subject to a separate forfeiture.

In addition to the civil penalty provided in this chapter, the commission may recover reasonable attorney's fees, court costs, court reporter's fees and other expenses of litigation by appropriate suit of law against the person found to have violated this chapter, or the orders, rules and regulations issued under this chapter.

(b) **Costs of Damage.** Any person found to be responsible for a deleterious discharge into the system, which discharge causes damage to the system, upsets the POTW process and/or seriously impairs the quality of the receiving stream, shall become liable to the utility and/or city for any expense, loss or damage caused by the violation or discharge.

The city may add to the user's charges and fees the costs assessed for any cleaning, repair or replacement work caused by the violation or discharge. Any refusal to pay the assessed costs shall constitute a violation of this chapter.

(c) **Falsifying Information.** Any person who knowingly makes any false statements, representation or certification in any application, record, report, plan or other documents filed or required to be maintained pursuant to this chapter, or who falsified, tampers with or knowingly renders inaccurate any monitoring device or method required under this chapter shall, upon conviction be punished by the imposition of a civil penalty not to exceed limits as stated in this chapter.

(d) **Injunctive Relief.** The utility may petition for injunctive relief to compel compliance with the national categorical pretreatment standards and the orders, rules and regulations issued under this chapter. This section shall not be construed as to waive the city's abilities to refer criminal violations to the appropriate prosecuting agencies. (Ord. 61-5822 §47 (part), 2019; Ord. 61-4859 §1(part), 1994.)

13.62.075 Special Provision—Amalgam reduction—Dental professionals.⁷ (a) This section applies to any dental office that places or removes amalgam. If work in a dental office is limited to work that does not involve placing or removing amalgam, such as orthodontics, periodontics, oral and maxillo-facial surgery, endodontics, prosthodontics, or which are identified by the utility or Marathon County Health Department as being de-minimum contributors, then the section does not apply.

(b) By no later than October 1, 2008, all dental offices that place or remove amalgam shall implement BMPs (best management practices) for amalgam as established by the Wisconsin Dental Association.

(c) By no later than October 31, 2008, every vacuum system where amalgam is placed or removed shall include an amalgam separator that meets the criteria of the International Standards Organization (ISO 11143). Dental offices shall install, operate, and maintain the amalgam separator according to instructions provided by the manufacturer. The amalgam separator shall have a design and capacity appropriate for the size and type of vacuum system.

(d) On or before October 31, 2008, each dental office shall provide a report to utility and Marathon County Health Department that provides the following information:

- (1) Certify that the dental office is implementing the management practices required by subsection (b) and identifies the contractors used to remove amalgam waste within the last twelve months.
- (2) If installation of the amalgam separator is complete, then the report shall identify the installation date, the manufacturer, and the model name.

⁷ Effective date—September 1, 2008.

(3) If the installation of the amalgam separator is incomplete, then the report shall explain the delay, provide an installation schedule, and identify the manufacturer and the model name of the amalgam separator that will be installed.

(e) If a dental office has provided a report according to subsection (d)(3), then the dental office shall notify the utility and Marathon County Health Department within five days after the completion of the installation.

(f) The utility or Marathon County Health Department shall provide forms for reporting the information required by subsection (d).

(g) From the contractors used to remove amalgam waste, dental offices shall obtain records for each shipment showing: the volume or mass of amalgam waste shipped; the name and address of the destination; and the name and address of the contractor. Dental offices shall maintain these records for a minimum of three years. Dental offices shall make these records available to the utility and Marathon County Health Department, or their agent, for inspection upon request.

(h) Dental offices shall allow the utility and Marathon County Health Department to inspect the vacuum system, amalgam separator, and amalgam waste storage areas. Inspections shall occur by appointment during normal operating hours of the dental office as long as this does not impede enforcement of this section.

(i) If a dental office is implementing the management practices required by subsection (b) and is operating and maintaining the amalgam separator as required by subsection (c), then any numerical discharge limit for mercury established in any other section of this chapter does not apply.

(j) Definitions. "Dental office" means any dental clinic, dental office or dental practice, but not including those limited to orthodontics, periodontics, oral and maxillo-facial surgery, endodontics, or prosthodontics.

"Amalgam separator" means a device that employs filtration, settlement, centrifugation, or ion exchange to remove amalgam and its metal constituents from a dental office vacuum system before it discharges to the sewer.

"Amalgam waste" means and includes non-contact amalgam (amalgam scrap that has not been in contact with the patient); contact amalgam (including, but not limited to, extracted teeth containing amalgam); amalgam sludge captured by chairside traps, vacuum pump filters, screens, and other amalgam devices; used amalgam capsules; and leaking or unusable amalgam capsules.

"ISO 11143" means the International Organization for Standardization's standard for amalgam separators.

"Wausau Water Works staff" includes employees from both the drinking water and wastewater divisions. (Ord. 61-5822 §48 (part), 2019; Ord. 61-5636 §5(part), 2014; Ord. 61-5372 §1, 2008, File No. 08-0806.)

Chapter 13.64

SEWER SERVICE CHARGES⁶

Sections:

- 13.64.010 Purpose.
- 13.64.015 Definitions.
- 13.64.020 Basis for charges.

13.64.010 Purpose. It is found and determined that a sanitary sewer system is necessary for the protection of the health, safety and welfare of the general public and more specifically, the citizens and residents of the city. It is the intention of the city and the utility that all interrelated chapters of this code be liberally construed with the provision of this chapter and specifically Chapter 13.62 and that Chapter 13.62 takes precedence over any or all pre-existing agreements inconsistent with this governing regulation.

The utility will ensure that sewer rate structure is equitable amongst all users to recover actual costs associated with operation, maintenance, and replacement costs. A rate review shall be performed once every two years and the rate structure will provide sufficient funds to cover all operating costs. Excess revenue collected from a user class will be redistributed to the appropriate cost category for the following year as reasonably feasible. The utility will render a sewer bill that reflects costs associated with the users demand on the system. (Ord. 61-4734 §1, 1991; Ord. 61-4646 §1(part), 1988; Ord. 61-4612 §1 (part), 1987.)

13.64.015 Definitions. The definitions in section 13.62.020 are adopted and are applicable to this chapter. (Ord. 61-4681 §1(part), 1989; Ord. 61-4646 §1(part), 1988; Ord. 61-4612 §1(part), 1987.)

13.64.020 Basis for charges. To pay for such a system there is imposed a service charge upon each user of the sewerage system as provided in this section.

(a) Charges for nonmonitored customers are as follows:

(1) With No Sewer Meter. A minimum quarterly charge based on the size of the water meter plus the volume rate as noted in subdivision (3) of this subsection.

⁶ For statutory provisions pertaining to sewerage system service charges, see § 66.0821, Wis. Stats.

Prior Ordinance History: Ords. 61-5799, 61-4070, 61-4075, 61-4079, 61-4289, 61-4326, 61-4415, 61-4452, 61-4532 and 61-4606, 61-5456 and prior code §§23.01 through 23.05, 23.07 and 23.08.

<u>Water Meter Size in Inches</u>	<u>Minimum Quarterly Charge 2/1/2019</u>
5/8 or 5/3	\$ 20.40
3/4	20.40
1	27.60
1-1/4	38.40
1-1/2	44.40
2	74.40
3	134.40
4	219.60
6	433.20
8	681.60

(2) With a Sewer Meter. A customer that meters the discharge will pay a flat monthly fee of seventy-five dollars for the first such metering device and thirty-seven dollars and fifty cents for each additional metering device installed on the premises. All such metering devices shall be approved by the Director of Public Works and Utilities prior to installation. The volume rate shall also apply.

(3) Volume Rate. All volume as recorded by the water meter each quarter shall be charged to the customer at the rate of three dollars and eleven cents per one hundred cubic feet except as noted in subdivision (4) of this subsection.

(4) Residential Customer. Charges to residential customers shall be based on actual volume as recorded by the water meter each quarter.

Adjustments may be made to the billed sewer volume on a case-by-case basis provided it can be verified that a significant portion of the usage was not discharged to the sanitary sewer and will only be considered based upon a written request.

In the case where a residential customer is served only with sewer service and a water meter has not been installed to record water usage, the user will pay a flat fee per quarter for sewer service. The flat fee is determined by adding the 5/3 meter minimum quarter charge, plus the current volume charge times two thousand cubic feet which is an estimate of the average household usage of water from a private water supply.

(5) Nonresidential Customer. Charges to nonresidential customers shall be on actual volume as recorded each quarter. (A volume credit may be granted for water

not discharged to the sanitary sewer provided the volume is metered and approved by the utility.)

In the case where a nonresidential customer is served only with sewer service and a water meter has not been installed to record water usage, the user will pay a flat fee per quarter for sewer service. The flat fee is estimated by comparing with similar metered businesses in the city. The estimate will take into consideration size, nature, and other comparable units of business. This estimate will be prepared by the Director of Public Works and Utilities. The utility may order the installation of a private water meter to record the volume of private water usage and this will be the basis for sewer billings.

(6) Permit Fee. The permit fee for one regulated outfall is one hundred fifty dollars per month and fifteen dollars per month for each additional regulated outfall. (Ord. 61-5799 §1 (part), 2018, File 87-0220; Ord. 61-5476 §1, part, 2011, File No. 11-0507)

(b) Charges for monitored customers are as follows:

(1) Minimum Charge. A customer that meters the discharge will pay a flat monthly fee of one hundred fifty dollars for the first such metering device and seventy-five dollars for each additional metering device installed on the premises. All such metering devices shall be approved by the Director of Public Works and Utilities prior to installation. If the water meter is the basis for determining volume of waste discharge, the minimum monthly charge will be one-third of the minimum quarterly charge per the water meter size as shown in subdivision (1) of subsection (a) of this section, but not less than thirty-seven dollars and fifty cents per month.

(2) Volume Charge. All volume per bimonthly billing shall be charged to the customer at the rate of one dollar and seventy-four cents per one hundred cubic feet.

(3) Concentration Charge. The customer shall be charged thirty cents per pound for each pound of BOD₅ material and fifty-five cents per pound for each pound of suspended solids and five dollars and twenty-six cents per pound for each pound of phosphorus forty-eight cents per pound for each pound of aluminum the customer discharges to the sanitary system.

(4) Monitoring Fee. The monitoring fee for one monitored outfall is one hundred fifty dollars per month and twelve dollars and fifty cents per month for each additional regulated outfall. (Ord. 61-5799 §1 (part), 2018, File 87-0220; Ord. 61-5476 §1 (part), 2011, File No. 11-0507)

(5) Volume and Concentration Determination. Monitoring and sampling control facilities shall be constructed on each lateral discharging industrial wastes to the sanitary sewer system. Concentration billing for BOD₅ and TSS may be based on

samples or on the latest reported concentration numbers of NR 101 reporting forms submitted to the DNR, where no samples are available.

- (6) Flow Monitoring. Flow shall be recorded for each day a flow occurs.
- (7) Sampling and Analysis Frequency. Three consecutive twenty-four-hour composite samples shall be taken and analyzed on three consecutive production days each thirty-day period.
- (8) Analysis of Wastes. Laboratory analysis of monitored waste samples shall consist of biochemical oxygen demand and total suspended solids to be performed in accordance with the current edition of "Standard Methods."
- (9) Who Shall Collect Data. All significant industrial users shall conduct or cause to be conducted all required tasks to provide the utility with the required data. The utility may verify the data.
- (10) Reporting of Volume and Concentration Data. Daily volume recordings and concentration data reports shall be submitted in writing to the utility by the tenth of the month following the data collection.
- (11) Billing Determination. The utility shall summarize all data for bimonthly billings. The normal procedure for determining the strength data shall be to take the arithmetic average of the concentrations and proportionate to the total bimonthly volume to arrive at total pounds. (Average concentration as milligrams per liter multiplied by flow in millions of gallons multiplied by the factor for weight 8.345/gal pounds.) However, irregularities noted with the concentration as compared with the flow may constitute other means of determining the concentration billing data at the discretion of the utility.
- (12) Reclassification Review. A monitored customer may request the utility to reclassify the customer to nonmonitored on the grounds that during twelve consecutive months of monitoring, the cost of required monitoring exceeded the utility's concentration charge. Documentation of costs for monitoring must accompany the request for review. The discharge is still liable for compliance monitoring and associated fees for a three-year period following reclassification. If, during the three years, the concentration of the discharge changes to the point that monitoring should be resumed and the discharge fails to inform the utility, the utility may back bill the entire period during which the customer was classified nonmonitored at the current rate of billing for monitored customers less the charges paid as a nonmonitored customer. The customer may also be subject to a forfeiture. A condition for reclassification is that the discharger has fully complied with all provisions of section 13.62.050 for a twelve-month period.
- (13) Reduction in Monitoring Frequency. Written requests for permission to reduce monitoring frequency as stipulated in subdivision (7) of this subsection may

be granted by the Director of Public Works and Utilities. The requests by the monitored customer must clearly demonstrate the following:

- (A) The cost of monthly monitoring is unreasonable in relation to the utility's concentration charge;
- (B) Previously submitted concentration values must be constant;
- (C) Compliance monitoring by the utility checks with reported concentrations.

However, the minimum monitoring frequency is three consecutive production days each four-month period. The most recent strength data on file with the utility at the time of billing will be used to determine concentration billing.

(c) Charges for Nonmonitored Customers Outside of City Limits.

(1) Nonmonitored customers located outside of the corporate limits of the city served with sanitary sewer service directly by the utility are subject to codes, policies, regulations and charges as established and set forth below. (This chapter applies to the remaining area of Town of Stettin Sanitary District 1 not annexed to Wausau.)

(2) Minimum Quarterly Charge For Metered Sewer Service. A minimum quarterly charge shall apply to each unit of business in a building or complex plus the volume charge as noted in subdivision (3) of this subsection. The basis for this charge will relate to comparable business in Wausau and/or number, size and type of plumbing fixtures. (The meter or meters used to record the volume of wastewater discharged to the sewer may not necessarily be the basis for the minimum charge, but the combined minimum charge for each unit of business per building or complex shall not be less than the related minimum charge per meter used to record the wastewater volume.) Residential units may apply and be granted metered sewer service. Each living unit shall be assessed a quarterly minimum charge per a 5/3 meter size.

An Equivalent Water Meter Size <u>In Inches</u>	Minimum Quarterly Charge 2/1/2019
5/8 or 5/3	\$25.50
3/4	25.50
1	34.50
1-1/4	48.00

An Equivalent Water Meter Size <u>In Inches</u>	Minimum Quarterly Charge 2/1/2019
1-1/2	55.50
2	93.00
3	168.00
4	274.50
6	541.50
8	852.00

(3) Private Meters. It will be the sole responsibility of each owner or tenant to purchase, install and maintain the necessary meters to record the volume of wastewater discharged from each residential (if a residence is metered), commercial or industrial building or complex. All commercial and industrial users shall install adequate metering equipment to ensure accurate metering of all wastewater discharged to the sanitary sewer system by April 1, 1987. Wausau Water Works reserves the right to inspect the meter equipment for proper installation to ensure accurate recording of all wastewater discharged and may test equipment as necessary to confirm meter accuracy. Access to meter equipment shall be permitted during normal working hours (eight a.m. to four-thirty p.m.) of the utility, Monday through Friday.

(4) Volume Charge. All volume as recorded by the private water meter or meters shall be charged to the customer at the rate of three dollars and eighty cents per one hundred cubic feet.

(5) Nonmetered Sewer Service (Residential Flat Fee Sewer Charge). Residential users not metered shall pay a flat fee sewer charge per living unit per quarter. The flat fee rate is one hundred three dollars per quarter.

(d) Charges for Hauled Wastes Dumped at Wausau's Wastewater Plant.

(1) Hauled wastes dumped at Wausau's Wastewater Treatment Plant (WWTP) are subject to all codes, policies, regulations, and charges adopted by the utility/Wausau Common Council. Specifically, all hauled wastes shall comply with all provisions of Chapter 13.62. Hauled waste generated outside of Wausau's sewer service area and nondomestic in nature (such as industrial process wastes) is restricted from dumping at Wausau's WWTP without written approval. (Wastes potentially toxic in nature or waste generally not acceptable for treatment at municipal WWTP regardless of origin shall be considered on a case-by-case basis. Contract haulers should not convey such wastes without prior written approval if it is the intent to dispose at Wausau's WWTP.) All hauled wastes are subject to the conditions and charges established and delineated below. All septic haulers shall

receive written authorization to dump at Wausau's WWTP. Existing septic haulers at time of adoption of this code will have complied with this requirement.) Dumping will only occur at Wausau's WWTP at a designated manhole or station. All septic haulers are required to report all waste loads delivered to Wausau's WWTP. Procedures regarding entering plant grounds, dumping, and reporting requirements are subject to change and will be addressed by policy by the Director of Public Works and Utilities or commission. Upon demand, the utility will have the right to inspect state-required hauling records to confirm origin and disposal of hauled wastes.

(2) The following dumping charges shall be effective on February 1, 2019:

Monthly Administrative Fee	\$32.83 per month
Volume Charge	\$ 1.45 per 100 cu ft
BOD Concentration	\$ 0.25 per lb of BOD
TSS Concentration	\$ 0.46 per lb of TSS
Phosphorus Concentration	\$ 4.38 per lb of Phosphorus
Aluminum Concentration	\$ 0.40 per lb of Aluminum

Septic haulers must report to Wausau Water Works the volume of septic waste and the volume of holding tank waste for each load delivered by the tenth day of the following month. The concentration charges for residential septic and holding tank wastes can be estimated, where test results are not available and at the discretion of the Director of Public Works and Utilities. If the septic hauler fails to submit a report detailing the volumes of wastes dumped, they will be charged for 95% of the actual truck volume and an assumed 16% septic tank sludge and 84% holding tank waste.

Charges for commercial, industrial, environmental cleanup, and other unique wastes that, in the opinion of the Director of Public Works and Utilities, are not adequately characterized by the stated Administrative, Volume, and Concentration charges can be established by contract or agreement approved by the commission. (Ord. 61-5735 §12 (part), 2017; Ord. 61-5476 §1(part), 2011, File No. 11-0507)

(3) Septic haulers not in compliance with policies, codes and current with dumping charges are subject to revocation of dumping privileges at Wausau's WWTP.

(e) Delinquent Sewer Bills. All customers shall be subject to late payment charges and penalties and/or disconnection of sewer service and the policies and procedures for such charges/penalties and disconnections shall be similar to those approved by the public service commission for the utility. (Ord. 61-5822 §49 (part), 2019; Ord. 61-5799 §1 (part), 2018, File 87-0220; Ord. 61-5456 §1, 2010, File No. 87-0220, Ord. 61-5277 §1, 2006, File No. 87-0220; Ord. 61-5006 §1, 1998; Ord. 61-5413 §1, 2009; Ord. 61-4935 §1, 1996; Ord. 61-4826 §1, 1994; Ord. 61-4777 §1(part), 1992; Ord. 61-4746 §1, 1991; Ord. 61-4681 §1(part), 1989; Ord. 61-4646 §1(part), 1988; Ord. 61-4612 §1, 1987.)