

Regular City Council Meeting
Mountain Lake City Hall
Monday, October 17, 2022
6:30 p.m.

AGENDA

1. Meeting Called to Order *Additional information on agenda item is attached or at City Hall
2. Approval of Agenda and Consent Agenda
 - a. Bills: Checks #26541-26583, 828E – 832E (1-7)
 - b. Payroll: Checks #66943 – 66977
 - c. Approve July 11 Tree Commission Minutes (8)
 - d. Approve September 12 Lake Commission Minutes (9-10)
 - e. Approve September 13 Library Board Minutes (11-13)
 - f. Approve September 22 Utilities Commission Minutes (14-15)
 - g. Approve October 3 City Council Minutes (16-17)
 - h. Approve Ambulance Orientation Book & Contract Changes for New Members*
 - i. Approve MOU between the City & PFA (18-25)
3. Public – A total of ten (10) minutes is allotted for individuals to briefly discuss a topic of concern or provide comments to the Council.
4. Chamber of Commerce
 - a. Discussion/Action – Sunflower
5. City Attorney
6. City Administrator
7. Adjourn

Mountain Lake Tree Commission
Monday, July 11, 2022
7:30 PM
Mountain Lake City Hall

Members Present: David Bucklin, Joey Morey, Nathan Harder

Members Absent: Jerry Logue

Staff Present: Michael Mueller, Administrator/Clerk

Others Present: Mike Nelson, Mayor

Call to Order

Bucklin called the meeting to order at 7:30 PM.

Minutes and Agenda

Motion by Morey, seconded by Bucklin, to approve the March 17 Minutes and Agenda. Motion carried 3 – 0.

2022 Tree Program

The 2022 Tree Program went well and there were no complaints from owners. It was noted to ensure the company that removes the trees to keep the mulch at Heritage Village for the public. Half of the trees at the golf course are green ash and will need to be replaced. Tree pruning will be sometime in October or November.

2023 Tree Program

Next year's program was discussed briefly. Bucklin explained some possible funding for next year's program, apply for another grant, and plant more trees.

Next Meeting

The next meeting will be Monday, October 10, 2022 after the Lake Commission meeting which is projected to be 7:30 p.m.

Adjourn

The meeting was adjourned at 7:55 p.m.

ATTEST:

Michael Mueller, Administrator/Clerk

Lake Commission Meeting
Monday, September 12, 2022, 6:30 p.m.

Members Present: Dave Bucklin, Nathan Harder, Jean Haberman, Janell Barger, Kim Syverson, Janell Barger, Joey Morey

Guests Present: Michael Mueller (City Administrator), Mike Nelson (Mayor), Rachel Yoder

Chair Bucklin called the meeting to order at 6:30 p.m. M/S/P Morey/Syverson to approve the agenda and minutes of the August 8, 2022 meeting.

Treasurer's Report (4/11/22)

Weed Harvester Income / Expenses:

Weed Harvester Grant	20,000.00
Interest	4.52
Third Avenue (Starting Fluid)	(3.68)
Ending Balance	\$85,576.10

Trail Income / Expenses:

Aluminum Can Revenue	511.00
Interest	4.52
Ending Cash Balance	\$28,206.62

M/S/P Barger/Loewen to approve the Treasurer's Report.

M/S/P Loewen/Barger to approve reimbursing Jean for number stencils in the amount of \$74.55.

Project Update:

- **Fire Pit:** No update on the status of the fire pit on the beach.
- **Beach:** Joey, Nathan, and Jean pulled weeds out of the lake on August 15th. The city took out some silt by the edge of the beach and put in some new sand.
- **Can Bin:** Joey pushed the cans back and sprayed the wasps.
- **Lake:** Matt Johnson sold his pickup with snowplow, so someone with a snowplow needs to be contacted to clean snow off the ice on the lake.

Randy will contact DNR Fisheries to ask them to clean out the boat access on the west end of the lake.

The DNR conducted a fish survey on June 1, 2022.

<https://www.dnr.state.mn.us/areas/fisheries/windom/lakes/lakesurveys.html>

- **Harvesting:** Randy reported that the harvester needs to be taken out of lake and repairs made. The starter has been repaired. The shaft and collar of the paddle wheel and the hydraulic motor need to be repaired. The alternator needs to be replaced.
- **Trail:** Nathan and Dave will paint distance number markings on the trail.

Janell and Joey have done some weed whipping on the island. Joey cut and removed a tree that was blocking the island trail.

Michael Mueller reported that he has received a signed contract with the DNR approving the construction of the boardwalk. Sealed construction bids are due Sept. 19th.

Rachel Yoder cleaned out the garbage can by the dam.

Dave reported that the Emerald Ash Borer has been spotted 4 miles north of Co. Rd. 1. The ash trees in Mountain Lake will soon be affected. The loss of ash trees will impact the watershed.

***NOTE - Next meeting is **Tuesday, October 11, 2022 at 6:30 p.m.**

Respectfully submitted,

Jean Haberman,
Secretary/Treasurer

MOUNTAIN LAKE PUBLIC LIBRARY BOARD MINUTES
September 13, 2022

11

Members Present: Rick Herrig, Rachel Simon, Vickie Krueger

Members Absent: Dennis Cords, Sarah Morey

Staff Present: Daniel Mick

Others Present: Michael Mueller

Others Absent: Dana Kass

The meeting was called to order at 4:33 pm by Chairperson Rick Herrig

M/S Rick H. / Vickie K. to approve the minutes of the July 12, 2022 meeting with proper edits have been applied by Daniel M.

Reports: Daniel M. presented the July & August Monthly reports indicating 2386(July) & 2532(August) total circulation and expenditures in the amount of \$2222.78(July) & \$1136.93(August) M/S Rachel S. / Vickie K. to accept the July & August reports as given and to approve the July & August expenditures, Motion carried.

Changes to the Agenda: Daniel M. brought to the attention of the board that there is a lighting issue above the Large Print section and has expressed further research to solve the problem. There was a concern about staffing during Fall and Daniel M. was asked if that was a continued issue. He stated that as of now there is no problem with staffing and does not foresee one either.

In New Business: Daniel M. presented what he has been accomplishing over the last month. Advances in technology and methods, weeding of the children's picture books and re-organizing several shelving locations were stated.

The board was presented with the information about the libraries continued storage and publishing of cook books that are sold to Time to Share for further sell. Daniel M. informed the board that there is discussion about the library handing off the responsibility to Time to Share and walk away from any participation as it was never an activity that was addressed before now it was just done by those that came before. M/S Rachel S. /Vickie K. to continue efforts to end any more involvement with the books.

Daniel M. brought forward to the board that he believes that Dana Shroeder a current Library Assistant this is being trained to replace Sandy Shroeder on her retirement. Should be offered a raise to her current pay due to the increase of her duties and expectations. After crunching numbers the raise would be able to be implemented with the current 2023 budget. The board agreed with Daniel M. assessment and wish to move forward with addressing the city council for the raise.

Vickie K. asked Daniel M. what of adult programs coming to the library. Daniel M. explained that due to the season it is unlikely there will be any author visits before the end of the year but it was addressed that Movie Nights as well as adult Paint Parties may be possible before the year is out.

Rachel S. was interested in the policy behind younger volunteers at the library and what would need to be done to have volunteers at the library. Daniel M. is open to the idea of any volunteers at the library and after questioning Michael M. about the city's policy it was understood that it could be done without issues.

Mountain Lake
Public Library
September 2022

Children	
Audio	8
Books	740
DVDs	86
Non Print	0
Multi Media	1
Periodicals	0
ADULT	
Audio	6
Books	461
DVDs	98
Non Print	1
Multi Media	0
Periodicals	51
Other Physical Media	4
SUBTOTAL:	1456
Ebooks	44
Downloadable Audio	89
TOTAL CIRCULATION:	2037
ILLN	45
Interlibrary Loan Sent	206
Interlibrary Loan Received	182
ILL Non System	15

REVENUE	
Cash Income	\$ 33.00
County Revenue	\$ 15,522.19
Donations (Monetary)	
Fines	\$ 107.00
Misc. Revenue	
Meeting Room Rental	
Sale of supplies	
TOTAL REVENUE	\$ 15,662.19
EXPENDITURES	
Books	\$ 872.59
Periodicals	\$ 300.16
Audio/Visual	\$ 403.10
Gas Utilities	\$ 19.24
Janitorial Supplies	\$ 24.78
Office Supplies	\$ 36.46
Library Supplies	\$ 255.38
Postage	
Project Expense	
Repairs & Maintenance	
Repairs & Maint-Janitorial	\$ 345.00
Tech/Automation Expense	\$ 542.65
Telephone	\$ 87.59
Travel	\$ 106.69
MISC.	\$ 122.50
PCLS Delivery	
TOTAL EXPENDITURES	\$ 3,116.14

LIBRARY EXPENDITURES -

People Magazine	Renewal	\$108.26
Demco	Bookmarks, Label Printer, DVD Labels	\$596.67
Amazon	Lock Box, Book Stands, Labels, Velcro	\$74.31
Amazon	DVDs	\$283.06
Reinbursmnet	Microwave	\$75.51
Downpour	Audio Book	\$17.50
Frontier	Telephone Bill	\$87.59
MN Energy	Gas	\$19.24
Comfry Times Renewal	Newspaper	\$45.00
Indoff	Buisness Hours, Janitor Supplies	\$74.77
Milage-Daniel	Plum Creek Meetings	\$106.69
Dennis	Monthly Paycheck	\$345.00
Amazon	Laminator, Laminator Supplies, DVDs	\$134.00
Amazon	Printer Labels	\$20.79
Ingram	Books	\$872.59
Magazine Renewals	AD, Nat Geo, Food Network, Pioneer W	\$255.16
Amazon	DVD Cases	\$37.94
Amazon	Scanners	\$33.89
	Subtotal	\$3,116.14
	Cash Expenditures	\$0.00
	Misc Expenditures	\$0.00
	Total	\$3,116.14

Mountain Lake Utilities Commission Meeting
Mountain Lake City Hall
Thursday, September 22, 2022
7 AM

Members Present: Mark Langland, Sue Garloff, City Council Liaison Dean Janzen, David Savage, Todd Johnson

Members Absent: Brian Janzen

Staff Present: Michael Mueller; Clerk/Administrator; Jill Falk; Utilities Office Manager, Dave Watkins; Electric Superintendent; Lane Anderson; Lineman; Steve Peters; Lineman; Taylor Nesmoe; Water/Wastewater Superintendent; Scott Pankratz; Water/Wastewater Worker

Others Present:

Call to Order

The meeting was called to order at 7 AM.

Approval of Minutes and Bills

Motion by Garloff seconded by Johnson to approve the September 8th Minutes, and Check Numbers 21982-22019 (415E-418E). Motion carried.

Electric Department

Watkins has been continuing to work with the engineers to put together a presentation that includes all of the options for the Fairbanks generator. They have added the option to repair the generator instead of replacing it and are hoping to have all of the options submitted and ready to present very soon. The underground project near the school is almost completed. They are still waiting for an electrician for one of the homes and then they will run the wiring under the driveways to the streetlights. Then, the old overhead will be removed since everything will now be underground. Nickel has begun work on their new building. The conduit has been bored in so that Watkins can pull in the wire. They are still waiting for the transformer to arrive, which should be later this month.

Water/Wastewater Department

Nesmoe stated that they have been cleaning the sewers and found damage to one of the manholes on County Road 1. He has reached out to Bolton and Menk to discuss manhole liners. Redwood Falls is currently using the same liners and Nesmoe and Pankratz will take a trip there to look at them before purchasing our own.

Dean Sawatzky is still trying to determine the best placement for the long-distance gun range. There is a stretch of land on the south side that may be a good option. It is outside of the fence for pond #2, between the fence and the creek. Nesmoe will get a map drawn up to show the exact location and then move forward from there.

City Administrator

The Chamber is purchasing new banners for the downtown light poles on Third Avenue. They are looking for businesses to sponsor a banner that will, in turn, include the business name. A motion was made by Savage and seconded by Johnson to purchase one banner for \$125. Mueller mentioned that he was interested in creating an Annexation policy for township residents who wish to be connected to city utilities. It was presented to the City Council; however, there was no interest in proceeding at this time.

Adjourn

The meeting was adjourned at 7:17 a.m.

ATTEST:

Jill Falk, Utilities Office Manager

**City of Mountain Lake
Regular City Council Meeting
Mountain Lake City Hall – 930 Third Ave
Monday, October 3, 2022
6:30 p.m.**

Members Present: Dean Janzen, Dana Kass, Darla Kruser, Andrew Ysker, Mike Nelson

City Staff Present: Michael Mueller City Administrator; Maryellen Suhrhoff City Attorney

Others Present: Joel Alvstad, Gloria Mckissick

Call to Order

The meeting was called to order by Mike Nelson at 6:30 p.m.

Approval of Agenda & Consent Agenda

Motion by Kass, seconded by Janzen, to add EDA Resolution to the agenda. Motion carried 5– 0.

Motion by Kass, seconded by Ysker to approve the agenda and consent agenda as amended.

Motion carried 5– 0.

Bills: Checks #26494-26540, 823E – 827E

Payroll: Checks #66927-66943

Approve August 15 EDA Board Minutes

Approve September 8 Utilities Commission Minutes

Approve September 19 City Council Minutes

Approve August Street Department Report

Approve Resolution #19-22 Good Sam Raffle

Approve Alliance Church Street Closure Request

Public

No comments

Financial Quarterly Review

The 2022 Q3 Revenues and Expenses were reviewed.

City Attorney

Motion by Kass, seconded by Kruser to have a public hearing, to change the EDA Resolution 7-89, removing the authority of hiring and firing of the EDA, and transferring the authority back to City Council. Motion carried 4– 1. Janzen opposed.

City Administrator

Discussion/Action – Chamber of Commerce

Michael Mueller City Administrator discussed with Council being a Mountain Lake Chamber member, showing the City's support, and ordering a light pole banner.

Adjourn

The meeting was adjourned at 6:46 p.m.

ATTEST:

Michael Mueller, Administrator/Clerk

Memorandum of Understanding Between your Minnesota District or City and the Minnesota Pollution Control Agency for the Statewide Monitoring of Per- and Polyfluoroalkyl Substances (PFAS)

This Memorandum of Understanding is between your City and the Minnesota Pollution Control Agency (MPCA).

Whereas, PFAS is a known class of environmental contaminants with thousands of unique chemical structures which are persistent in the environment, bioaccumulative, and are in widespread use in industrial, commercial, and household applications;

Whereas, municipal wastewater treatment facilities are a receiver of PFAS and can be a conduit for the discharge of PFAS into the environment;

Whereas, municipal wastewater treatment facilities have regulatory authority over their significant industrial users and generally all users through National Pollutant Discharge Elimination Discharge (NPDES) permits issued to permittees in Minnesota;

Whereas, your permitted wastewater treatment facility has been identified as having at least one significant industrial user;

Whereas, significant industrial users may be a contributing source of PFAS to wastewater treatment facilities;

Whereas, to protect human health and the environment, the MPCA established goals to identify and reduce PFAS in the environment through implementation of its 2022 PFAS Monitoring Plan, that seeks to partner with all sources to reduce releases to the air, water, and land;

Whereas, funding has been appropriated by the Minnesota Legislature to develop tools to assist municipal wastewater treatment facilities in source identification and source reduction of PFAS. This appropriation is specific to these activities and will not be used for sample collection or sample analysis. A contract has been executed between Antea Group and the MPCA where PFAS Source Identification & Reduction tools will be developed. These tools will be available for use in conjunction with the development of PFAS pollutant management plans and;

Whereas, response thresholds will be developed based on data collected from the first two sampling events. The response thresholds will be statistically based, not risk based, to help prioritize source identification and reduction activities. All facilities will be assigned one of three priority categories which will include specific actions for the facilities to complete.

- A. Category one - No further sampling required at this time, unless state or federal funding is obtained. It is strongly encouraged that these facilities complete an inventory of industrial users who may be potential contributors of PFAS. If the MPCA obtains funding to collect and analyze PFAS we reserve the right to collect two additional samples at these facilities.
- B. Category two - Complete an inventory of potential industrial sources of PFAS and start a dialog with those potential sources to initiate source identification and reduction work. Develop, complete, and submit a PFAS Pollutant Management Plan (PFAS PMP) and complete and submit the final two sampling events.

- C. Category three - Complete an inventory of potential industrial sources of PFAS and start a dialog with those potential sources to initiate source identification and reduction work. Develop, complete, and submit a PFAS Pollutant Management Plan (PFAS PMP) and complete and submit the final two sampling events. Based on the industrial user inventory MPCA will work with you to identify further actions to verify PFAS discharges from these potential sources.

Whereas, the MPCA will continue to pursue funding to offset the cost of sample collection and sample analysis. If funding is obtained, an MPCA identified contractor will be used to coordinate and collect samples from designated influent monitoring locations at the wastewater treatment facilities identified in the MPCA PFAS monitoring plan. The collected influent samples will then be sent to an MPCA designated certified laboratory for analysis. Related costs associated with sample collection and analysis will be covered pursuant to the amount of funding obtained and any potential eligibility requirements. The results of the monitoring will be shared with both the monitored wastewater facilities and the MPCA. Data will be submitted via the EQUIS system.

Whereas, MPCA Municipal wastewater contacts for the PFAS Monitoring Plan are:

Jaramie Logelin, jaramie.logelin@state.mn.us, 218-302-6640 or

Sherry Bock, sheryl.bock@state.mn.us, 218-316-3882.

Therefore, Phase I of the 2022 PFAS Monitoring Plan includes a goal that all municipal wastewater treatment facilities, which have delegated pretreatment programs or have identified one or more significant industrial users, will:

- A. Participate in influent wastewater sampling; and
- B. Participate in the identification and understanding of sources of PFAS entering into your wastewater treatment facility; and
- C. If a category two, complete an inventory of potential industrial sources of PFAS and start a dialog with those potential sources to initiate source identification and reduction work. Develop, complete, and submit a PFAS Pollutant Management Plan (PFAS PMP) and complete and submit the final two sampling events; and
- D. If a category three, complete an inventory of potential industrial sources of PFAS and start a dialog with those potential sources to initiate source identification and reduction work. Develop, complete, and submit a PFAS Pollutant Management Plan (PFAS PMP) and complete and submit the final two sampling events. Based on the industrial user inventory, MPCA will work with you to identify further actions to verify PFAS discharges from these potential sources.

In furtherance of these goals, your District or City and MPCA agree to the following actions:

Wastewater Treatment Facility Actions

1. PFAS sampling plan.

- a. By January 1, 2023, develop and submit, for review and approval to the MPCA, a PFAS Sampling Plan specific to the District's or City's PFAS influent monitoring.
 - i. The PFAS Sampling Plan must follow MPCA's updated analytical fact sheet for Per- and Polyfluoroalkyl substances: [Guidance for Per- and Polyfluorinated Alkyl Substance: Analytical \(state.mn.us\)](#).

- ii. The PFAS Sampling Plan must include, but not be limited to, specific sample location, sample collection type, who will be collecting samples (Permittee or contractor), selected lab for analysis and sample analysis method the lab will be using including the reporting limit of each of the PFAS compounds. All samples should be unfiltered and collected at your facility's influent waste stream (WS) station. Each sample shall include at a minimum all PFAS compounds listed in Appendix A. Please note the reporting limits in Appendix A for the six bolded parameters. All other parameters have a goal of under 4 nanograms per liter (ng/L) but will be subject to change upon guidance revisions.
- iii. The PFAS Sampling Plan should be submitted electronically to both Jaramie Logelin and Sherry Bock to their noted emails.

2. Collect Influent Samples.

- a. Collect and submit to the lab round one influent sample by March 31, 2023, in accordance with the completed PFAS sampling plan. By June 30, 2023, submit the first round of influent monitoring data to the MPCA's EQuIS database. The monitoring data may be submitted by the District or City or your accredited laboratory.
- b. Collect and submit to the lab round two influent sample by June 30, 2023.
- c. By August 31, 2023, submit the second round of influent monitoring data into MPCA's EQuIS database. The monitoring data may be submitted by the District or City or your accredited lab.
- d. Collect and submit to the lab round three influent sample by June 30, 2024.
- e. By September 31, 2024, submit the third round of influent monitoring data to the MPCA's EQuIS database. The monitoring data may be submitted by the District or City or your accredited laboratory.
- f. Collect and submit to the lab round four influent sample by September 31, 2024.
- g. By December 31, 2024, submit the results of the fourth round of influent sampling monitoring data into MPCA's EQuIS database. The monitoring data may be submitted by the District or City or your accredited lab.

3. Inventory of potential PFAS sources.

- a. By August 31, 2023, start inventorying industrial users that may be potential PFAS contributors to your wastewater collection system
 - i. The initial inventory should identify all industrial users, including but not limited to, all significant industrial users, categorical industrial users, and nonsignificant industrial users based on the NAICS Codes identified in Appendix F of the MPCA's PFAS Monitoring Plan (starting on page 32).
- b. Complete the inventory of potential sources for use in your pollutant management plan by December 31, 2023. Maintain the inventory onsite.

4. PFAS Pollutant Management Plan.

- a. By September 15, 2023, start to develop a PFAS Pollutant Management Plan. The goal will be to identify any non-domestic wastewater sources of PFAS entering your facility and to promote source reduction activities for those sources.
- b. By March 15, 2024, submit the completed PFAS Pollutant Management Plan to the MPCA for review.

5. Implementation of PFAS Pollutant Management Plan.

- a. By 30 days after the submittal of the PFAS Pollutant Management Plan, provide continuing education and information to industrial users and the community on reducing PFAS. Implement the PFAS Pollutant Management Plan and begin implementing follow-up PFAS reduction actions based on MPCA developed response thresholds as identified in MPCA Responsibilities item #5.

6. Continual

- a. Operating and maintaining your wastewater treatment systems to optimize PFAS reduction activities.

MPCA Responsibilities

1. By November 1, 2022, establish monitoring and sampling criteria, and a process to capture the data in MPCA's EQUIS database.
2. By November 1, 2022, finalize and distribute a final sampling and analysis guide to be used by all facilities.
3. Develop and, when available, distribute a Legislative PFAS Source Identification & Reduction Tool Kit to all applicable permittees.
4. By September 15, 2023, or within 15 days of substantial submittal of round 1 and 2 monitoring data, develop and communicate response thresholds based on the first two sample results.
5. Continue to pursue funding to help cover costs of sample collection and sample analysis. If funding is obtained, it will be dispersed pursuant to any eligibility requirements.

Joint District or City/MPCA Responsibilities

1. Collaborate on efforts to work with suppliers, manufacturers, educational institutions, and other interested parties to reduce the use of PFAS in products and procedures where pragmatic alternatives exist.
2. Collaborate to develop communication strategies for the public to understand the data and information gained from this joint effort to manage PFAS.

Terms and Conditions

This is a voluntary agreement and can be nullified by either party at any time.

This agreement does not amend, nor shall it be construed as part of the National Pollutant Discharge Elimination System (NPDES) permit for your wastewater treatment facility, however the MPCA expects compliance with provisions within this agreement and reserves the right to utilize MPCA authority under Minn. Stat. § 115.03 to obtain and collect data and information as needed.

This agreement will expire upon the completion of collection and submittal of the final requested sampling data.

Authorized Representatives

The District's or City's Authorized Representative for purposes of administration of the Memorandum of Understanding is:

Mountain Lake Wastewater Treatment Plant

By: _____

Name: Mike Nelson

Title: _____

Date: _____

The MPCA's Authorized Representative for purposes of administration of this Memorandum of Understanding is:

**STATE OF MINNESOTA
POLLUTION CONTROL AGENCY**

By: *Katrina Kessler*

Katrina Kessler, P.E.
Commissioner

Date: October 5, 2022

Appendix A

Minimum list of requested PFAS Compounds

Compound (Acronym) (Source of Compound list and Reporting Limit (RL) goals* found here) *Subject to change upon guidance revision	Aqueous Reporting Limit (RL) Goals (ng/L)	CAS Number
Perfluorobutanoate (PFBA)	under 6	375-22-4
Perfluoropentanoate (PFPeA)		2706-90-3
Perfluorohexanoate (PFHxA)	under 4	307-24-4
Perfluoroheptanoate (PFHpA)		375-85-9
Perfluorooctanoate (PFOA)	under 4	335-67-1
Perfluorononanoate (PFNA)		375-95-1
Perfluorodecanoate (PFDA)		335-76-2
Perfluoroundecanoate (PFUnA)		2058-94-8
Perfluorododecanoate (PFDoA)		307-55-1
Perfluorotridecanoic Acid (PFTrDA)		72629-94-8
Perfluorotetradecanoic acid (PFTeDA)		376-06-7
Perfluorobutanesulfonate (PFBS)	under 4	375-73-5
Perfluoropentanesulfonate (PFPeS)		2706-91-4
Perfluorohexanesulfonate (PFHxS)	under 4	355-46-4
Perfluoroheptanesulfonate (PFHpS)		375-92-8
Perfluorooctanesulfonate (PFOS)	under 4	1763-23-1
Perfluorononanesulfonate (PFNS)		474511-07-4
Perfluorodecanesulfonate (PFDS)		335-77-3
Perfluorododecanesulfonate (PFDoS)		79780-39-5
4:2 Fluorotelomer sulfonic acid (4:2 FTS)		757124-72-4
6:2 Fluorotelomer sulfonic acid (6:2 FTS)		27619-97-2
8:2 Fluorotelomer sulfonic acid (8:2 FTS)		39108-34-4
N-Methylperfluorooctanesulfonamidoacetic acid (N-MeFOSAA)		2355-31-9
N-Methylperfluorooctanesulfonamidoacetic acid (N-EtFOSAA)		2991-50-6
Perfluorooctane Sulfonamide (PFOSA)		754-91-6
N-Methyl perfluorooctane sulfonamide (N-MeFOSA)		31506-32-8

Compound (Acronym) (Source of Compound list and Reporting Limit (RL) goals* found here) *Subject to change upon guidance revision	Aqueous Reporting Limit (RL) Goals (ng/L)	CAS Number
N-Ethyl perfluorooctane sulfonamide (N-EtFOSA)		4151-50-2
N-Methyl perfluorooctane sulfonamidoethanol (N-MeFOSE)		24448-09-7
N-Ethyl perfluorooctane sulfonamidoethanol (N-EtFOSE)		1691-99-2
Hexafluoropropylene oxide dimer acid (HFPO-DA)		13252-13-6
3H-Perfluoro-3-[(3-methoxy-propoxy) propanoic acid] (ADONA)		919005-14-4
9-Chlorohexadecafluoro-3-oxane-1-sulfonic acid (9Cl-PF3ONS)		756426-58-1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		763051-92-9

Municipal Wastewater PFAS Monitoring and MOU Summary for local decision makers:

- Per- and polyfluoroalkyl substances (PFAS) are a family of nearly 5,000 chemicals which have been widely used in industrial, commercial, and residential applications, are resistant to breakdown, and are found virtually everywhere in our environment.
- At concentrations which vary by specific chemical, PFAS can be toxic, causing adverse health effects in humans, fish, and wildlife.
- In February of 2021, the MPCA released a PFAS Blueprint for addressing PFAS statewide. This was followed by a PFAS Monitoring Plan (March 2022) which identifies how the MPCA will collect PFAS monitoring data from all major regulatory program areas.
- Wastewater treatment plants (WWTPs) are a receiver of PFAS and can be a conduit for the discharge of PFAS into the environment. PFAS can be present in wastewater which flows to WWTPs and is not treated by conventional treatment technologies. PFAS treatment at the wastewater treatment facility is not economically feasible at this point, so the MPCA is focusing on source identification and source reduction.
- In an effort to collaborate with the WWTPs the MPCA has asked that the monitoring be completed outside the City's wastewater permit, through the use of the MOU.
- The MPCA is requesting approximately 90 municipal WWTPs, which have identified significant industrial users, to participate in phase 1 of the PFAS Monitoring Plan. By signing a Memorandum of Understanding (MOU), these facilities agree to the following:
 1. Submit a PFAS Sampling Plan
 2. Collect four quarterly influent samples
 3. Inventory potential sources, develop a PFAS Pollutant Management Plan, and work with industrial users and other users to reduce PFAS in wastewater influent base on a defined response threshold.
- The MPCA has secured funding to cover the costs of sample collection and analysis for the first two influent samples for facilities who sign the MOU. The MPCA will continue to pursue funding in an effort to potentially cover some or all of the costs of collecting and analyzing the last two influent samples.
- The goal of this monitoring is to:
 1. Evaluate PFAS concentrations discharged to WWTPs,
 2. Identify sources of PFAS,
 3. Begin to make progress reducing PFAS discharged to WWTPs, and
 4. To inform future monitoring and regulatory decisions in future phases of the PFAS monitoring plan in an effort to reduce PFAS discharged to the environment.