Historical PFAS Results

The United States Environmental Protection Agency published its first ever National Primary Drinking Water Regulation (NPDWR) for PFAS on April 26, 2024. The Illinois Environmental Protection Agency (IEPA) expects to adopt this regulation by April 2025. This regulation established Maximum Contaminant Levels (MCLs) for six PFAS in drinking water. MCLs are the highest allowable level of chemical in drinking water. If the chemical is found at levels above the MCLs, EPA requires water utilities to treat the water. The City of Evanston's drinking water meets these new PFAS drinking water standards. The MCLs are PFOA: 4.0 parts per trillion (ppt), PFOS: 4.0 ppt, Perfluorohexane sulfonic acid (PFHxS): 10 ppt, Perfluorononanoic acid (PFNA): 10 ppt, GenX: 10 ppt. Hazard Index for mixture of PFHxS, PFNA, GenX, and perfluorobutane sulfonic acid (PFBS): 1. The IEPA has a limit of 3500 ppt for Perfluorohexanoic acid (PFHxA). Communities along the west shore of Lake Michigan are seeing similar results at about 2 ppt on average.

ppt= parts per trillion

	7/7/2025		4/10/2025		2/6/2025		10/24/2024		8/1/2024		4/10/2024	
ANALYTE parts per trillion (ppt)	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW
Perfluorooctane sulfonate (PFOS)	**1.8**	1.8	**1.8**	1.8	**2.0**	<0.6	**1.7**	**1.6**	**2.0**	**1.9**	<2.0	<2.0
Perfluorooctanoic acid (PFOA)	**1.8**	1.8	**2**	1.9	**2.3**	<0.6	**1.7**	**1.6**	**1.9**	**2.1**	<2.0	**2.0**
Perfluoroundecanoic acid (PFUnA)	<0.6	<0.6	<0.6	<0.6	<0.7	<0.7	<0.5	<0.5	<0.6	<0.6	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	**1.2**	1.2	**1.3**	1.3	**1.3**	<0.5	**1.3**	**1.2**	**1.2**	**1.2**	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	<0.7	<0.7	<0.7	<0.7	<0.8	<0.8	<0.5	<0.5	<0.7	<0.7	<2.0	<2.0
Perfluorodecanoic acid (PFDA)	<0.5	<0.5	<0.5	<0.5	<0.6	<0.6	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0
Perfluorohexanesulfonic acid (PFHxS)	**0.6**	0.6	**0.8**	0.7	**0.7**	<0.6	**0.7**	**0.7**	**0.6**	**0.6**	<2.0	<2.0
Perfluorobutanesulfonic acid (PFBS)	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.5	<0.5	<0.6	<0.6	<2.0	<2.0
Perfluoroheptanoic acid (PFHpA)	**0.9**	0.9	**1.1**	1.0	**1.0**	<0.6	**1.0**	**0.9**	**0.9**	**0.8**	<2.0	<2.0
Perfluorononanoic acid (PFNA)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0
Perfluorotetradecanoic acid (PFTeDA)	<0.6	<0.6	<0.6	<0.6	<0.6	<0.7	<0.6	<0.6	<0.6	<0.6	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	<0.6	<0.6	<0.6	<0.6	<0.6	<0.7	<0.6	<0.6	<0.6	<0.6	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4	<0.5	<0.5	<2.0	<2.0
N-ethyl Perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.5	<0.5	<0.6	<0.6	<2.0	<2.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.7	<0.7	<0.7	<0.7	<0.7	<0.8	<0.7	<0.7	<0.7	<0.7	<2.0	<2.0

9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.5	<0.5	<0.6	<0.6	<2.0	<2.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0
Hazard Index EPA only= (GenX/10 ppt)+(PFBS/2000 ppt)+(PFNA/10ppt)+PFHxS/9.0 ppt)= running annual average must be **<1.0**	**0.07**	**0.07**	**0.09**	**0.08**	**0.08**		**0.08**	**0.08**	**0.07**	**0.07**		
	1/23/2024		10/4/2023		7/5/2023		4/6/2023		1/12/2023		10/12/2022	
ANALYTE parts per trillion (ppt)	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW
Perfluorooctane sulfonate (PFOS)	**<1.9**	**2.0**	**2.2**	**2.3**	**2.4**	**2.3**	**2.4**	**2.3**	**2.0**	**2.1**	**2.3**	**2.2**
Perfluorooctanoic acid (PFOA)	**2.1**	**2.1**	**2.9**	**3.1**	**2.5**	**2.3**	**2.4**	**2.3**	**2.4**	**2.2**	**2.3**	**2.2**
Perfluoroundecanoic acid (PFUnA)	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Perfluorohexanoic acid (PFHxA)	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Perfluorododecanoic acid (PFDoA)	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Perfluorodecanoic acid (PFDA)	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Perfluorohexanesulfonic acid (PFHxS)	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Perfluorobutanesulfonic acid (PFBS)	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Perfluoroheptanoic acid (PFHpA)	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Perfluorononanoic acid (PFNA)	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Perfluorotetradecanoic acid (PFTeDA)	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Perfluorotridecanoic acid (PFTrDA)	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
N-methyl Perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
N-ethyl Perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Hazard Index EPA only= (GenX/10 ppt)+(PFBS/2000 ppt)+(PFNA/10ppt)+PFHxS/9.0 ppt)= running annual average must be **<1.0**												

	7/13/2022		4/20/2022		1/19/2022		2021		2020		2019	
ANALYTE parts per trillion (ppt)	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW
Perfluorooctane sulfonate (PFOS)	**2.3**	**2.2**	**2.1**	**2.1**	**2.1**	**2.0**	**2.4**	**2.5**	**2.2**	**2.4**	**2.1**	**2.1**
Perfluorooctanoic acid (PFOA)	**2.1**	**2.3**	**2.4**	**2.5**	**2.3**	**2.3**	**2.4**	**2.2**	**<2.0**	**<2.0**	**<2.0**	**<2.0**
Perfluoroundecanoic acid (PFUnA)	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8						
Perfluorododecanoic acid (PFDoA)	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic acid (PFDA)	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanesulfonic acid (PFHxS)	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorobutanesulfonic acid (PFBS)	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic acid (PFHpA)	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic acid (PFNA)	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTeDA)	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-ethyl Perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hazard Index EPA only= (GenX/10 ppt)+(PFBS/2000 ppt)+(PFNA/10ppt)+PFHxS/9.0 ppt)= running annual average must be **<1.0**												

	2018
ANALYTE (ppt)	TAP
Perfluorooctane sulfonate (PFOS)	2.1

City of Evanston PFAS Testing Results

Perfluorooctanoic acid (PFOA)	<2.0

	8/15/2013	11/14/2013	2/12/2014	5/7/2014
ANALYTE (ppb)	TAP	TAP	TAP	TAP
Perfluorooctane (PFOS)	<0.04	<0.04	<0.04	<0.04
Perfluorooctanoic acid (PFOA)	<0.02	<0.02	<0.02	<0.02

	2009	2010	2011
ANALYTE (ppt)	TAP	TAP	TAP
Perfluorooctane sulfonate (PFOS)	**2.1**	**1.5**	**1.8**
Perfluorooctanoic acid (PFOA)	<10	<10	<10

ppt = parts per trillion ppb = parts per billion

City of Evanston PFAS Testing Results

Date	City of Evanston Drinking Water	
	PFOS IEPA Guidance Level 14.0 (ppt) US EPA Interim Lifetime Health Advisories 0.004 (ppt)	PFOA IEPA Guidance Level 2.0 (ppt) US EPA Interim Lifetime Health Advisories 0.020 (ppt)
9/2/2021	2.4	2.2
11/16/2021	*2.3	*2.3
11/16/2021	**2.2	**2.2

*indicates confirmation sample results, **indicates duplicate confirmation sample results.