

2025 Sampling Highlights

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Find more information at madsewerpfasinitiative.org/2025-results

NOTES

- J = estimated; when the value is below the level of detection and the established capabilities of the instrument, it is considered estimated.
- J+ = estimated with high bias.
- I = ion transition ratio did not meet acceptance limits
- <0.XX = non-detect. Value reported is at the detection limit

INFLUENT (INCOMING WASTEWATER)

This table shows the flow-weighted composite of all force main influent for PFOA and PFOS for each month sampled in 2025. A flow-weighted composite is a combined sample made up of influent from all force mains where the portion of the sample from each force main is proportional to the force main flow contribution.

	Jan 2024	Feb 2025	Mar 2025	April 2025	May 2025	June 2025	July 2025	Aug 2025	Sept 2025	Oct 2025	Nov 2025	Dec 2025	Mich. Influent Study
PFOA (ppt)	4.9	4.1	4.3	5.3	6.2	5.2	5.2	7.7	4.7	5.2	5.4	4.9	4.9
PFOS (ppt)	7.3IJ	4.5IJ	7.9IJ	7.9IJ	8.0	<0.22	8.8	7.7	5.2	4.1	4.8	6.2IJ	7.3IJ

[Michigan Influent Study data](#) included for comparison.

EFFLUENT (OUTGOING WASTEWATER)

This table shows the effluent concentrations of PFOA and PFOS for each sampled month in 2025. The effluent from the Nine Springs Wastewater Treatment Plant is discharged into waters that are not classified as a public water supply; therefore, the relevant PFOA surface water criterion is 95 ppt (or ng/L). The relevant criterion for PFOS is 8 ppt.

Surface water criteria added to the table for reference.

	Jan 2025 #1	Jan 2025 #2	Jan 2025 #3	Jan 2025 #4	Feb 2025	Mar 2025	April 2025	May 2025	June 2025	July 2025	Aug 2025	Sept 2025	Oct 2025	Nov 2025	Dec 2025	Surface Water Criteria
PFOA (ppt)	5.4	5.8	5.6	4.8	4.5	5.5	7.0	6.8	6.6	6.9	9.4	7.1	7.1	7.7	5.6	95
PFOS (ppt)	2.5	2.4	2.2	2.5	1.8	2.6	3.6	3.1	3.5	3.8	5.5	6.1	2.9	3.1	3.4	8

BIOSOLIDS – CLASS A CAKE SUMMARY ALL YEARS

Table shows the Class A cake pile made in 2022, 2023, and 2024, showing data for each year that same pile was sampled over time

	2022		2023		2024		2025	
<i>Cake Pile (year generated)</i>	Range of PFOS+PFO A (ppb)	Median of PFOS+PFO A (ppb)	Range of PFOS+PFO A (ppb)	Median of PFOS+PFO A (ppb)	Range of PFOS+PFO A (ppb)	Median of PFOS+PFO A (ppb)	Range of PFOS+PFO A (ppb)	Median of PFOS+PFO A (ppb)
2022 Class A Cake pile	11.4-45	38	6-29	18.1	35-51	43	*	*
2023 Class A Cake pile	-	-	2.7-23	15.1	20-66	29	33.9-75	58
2024 Class A Cake pile	-	-	-	-	20-32.6	29.5	18.1-42	28.6
2025 Class A Cake pile							16.2-22	21

BIOSOLIDS – CLASS A CAKE

Table shows the Class A cake pile made and sampled in 2025. The combined median was calculated from the four sums of PFOA and PFOS across the four quarterly samples collected.

	July 2025	September 2025	December 2025	Combined Median of PFOS+PFOA
PFOA (ppb)	14	10	7.7	
PFOS (ppb)	8	11	8.5	
Sum (PFOA + PFOS)	22	21	16.2	21

BIOSOLIDS – CLASS B METROGRO

Table shows the results of Class B Metrogro sampling and analysis in 2025. The combined median was calculated from the four sums of PFOA and PFOS across the four quarterly samples collected.

	March 2025	June 2025	September 2025	December 2025	Combined median PFOA+PFOS
PFOA (ppb)	1.3J	1.1J	<2.1	0.91J	
PFOS (ppb)	8.1	7.7	7.5	5.1	
Sum (PFOA + PFOS)	9.4	8.8	7.5	6.01	8.15

For reference: [Wisconsin Department of Natural Resources Interim Strategy For Land Application Of Biosolids And Industrial Sludges Containing PFAS, March 2024](#)