



The Fifth Unregulated Contaminant Monitoring Rule (UCMR 5) Early Notification for Preliminary Small PWS PFAS Results

Re: **TOWN OF MANCHESTER** (PWS ID **MD0060006**, Sample Kit ID **118635P**)
3337 Victory Street, Manchester, MD 21102-0830 (EPA Region 3)
PWS Contact (if registered in SDWARS): **Delbert Green** dgreen@manchestermd.gov

Single Result Above
MCL Value
PFOA

As detailed below, one or more per- and polyfluoroalkyl substances (PFAS) from a **single UCMR 5 sample event** at the subject small public water system (PWS) were reported above a U.S. EPA Maximum Contaminant Level (MCL) value in a preliminary laboratory report (*i.e.*, not yet reviewed by the EPA). In April 2024, the EPA announced the final National Primary Drinking Water Regulation (NPDWR) for six PFAS that are among the 29 PFAS being monitored in UCMR 5. **The information in this report is for technical assistance only and does not supersede the NPDWR requirements in 40 CFR 141 and 40 CFR 142. Starting in April 2029, compliance with the PFAS NPDWR MCLs will be required and determined by calculating the running annual average of quarterly results for each sample point; therefore, UCMR 5 results do not indicate compliance or noncompliance with the MCLs. Results from a single SE may be used along with results from other SEs at this location to calculate an average for comparison with the MCLs.** When calculating averages using UCMR 5 results, the average for locations with ground water sources is based on two semi-annual results and the average for locations with surface water sources is based on four quarterly results.

The EPA is providing states with this notification in those cases where one or more PFAS from a single SE are reported above an individual MCL value (*i.e.*, for PFOS, PFOA, HFPO-DA [GenX chemicals], PFHxS, and PFNA). To share this information as early as possible, notification is not provided for single SE results above the PFAS Hazard Index (HI) MCL value, but relevant results are provided in this report for context, if available. PWSs may work with their state to submit their UCMR 5 data to meet some or all of the NPDWR's initial monitoring requirements, which must be completed by April 2027. For more information on the MCLs and requirements, visit: <https://www.epa.gov/sdwa/and-polyfluoroalkyl-substances-pfas>

Small PWSs that participate in UCMR 5 and have an active SDWARS account, as recommended by the EPA, will receive an automated email when their results are posted to SDWARS. **The preliminary results in this report and the results in SDWARS, when available, may differ as a result of EPA review.** Results in SDWARS will be released to the public approximately quarterly via the EPA's UCMR 5 Data Finder and webpage. PWSs are subject to Tier 3 Public Notification (PN) [40 CFR 141.207] and Consumer Confidence Report (CCR) [40 CFR 141.153(d)(7)] requirements. PWSs must notify their customers about the availability of UCMR results no later than 12 months after they are known. Community water systems must also report UCMR results in their annual CCR when contaminants are found. This notification gives additional time to determine if voluntary communication between the PWS and its customers (including PWSs that purchase water from another PWS) or other action (*e.g.*, associated with state requirements) is warranted. PN and CCR requirements apply to all UCMR results (including those for the six PFAS in the NPDWR) and are separate from the PN and CCR requirements for the PFAS NPDWR (effective starting in April 2027).

To learn about grants that are available to assist states and territories with implementing PFAS testing and treatment at PWSs, visit: <https://www.epa.gov/dwcapacity/emerging-contaminants-ec-small-or-disadvantaged-communities-grant-sdc>

The EPA's free Water Technical Assistance Programs are also available to support communities to develop plans, build capacity, and access water infrastructure funding: <https://www.epa.gov/water-infrastructure/water-technical-assistance-programs>

The sample was collected on **7/16/2024** from **Facility TP08 TOWN OF MANCHESTER / Sample Point EP08 Crossroads Overlook #1 Well** location for **Sample Event SE2**. The EPA's UCMR 5 small PWS contract laboratory identified the following concentrations for the six PFAS in the NPDWR:

Regulated PFAS (EPA Method 533)	Preliminary Single Sample Event Result		EPA Maximum Contaminant Level (MCL) (ppt)*	UCMR 5 MRL (ppt)
	(µg/L, ppb)	(ng/L, ppt)*		
PFOS	< MRL	< MRL	4.0	4
PFOA	0.0042	4.2	4.0	4
HFPO-DA (GenX)	< MRL	< MRL	10	5
PFHxS	< MRL	< MRL	10	3
PFNA	< MRL	< MRL	10	4
PFBS	0.0041	4.1	No individual MCL*	3
µg/L = parts per billion (ppb) ng/L = parts per trillion (ppt)			To convert µg/L to ng/L, multiply value by 1,000 UCMR 5 MRL = Minimum Reporting Level	

*MCLs for PFOA and PFOS are expressed with two significant digits; MCLs for HFPO-DA, PFHxS, and PFNA are expressed with one significant digit. Comparison of UCMR 5 results to MCLs is based on the corresponding number of significant digits. The EPA is initiating notification for PFOS and PFOA results that are at or above 4.05 ppt; and for HFPO-DA, PFHxS, and PFNA results that are at or above 15 ppt. PFBS is not regulated individually; it is included in the Hazard Index (HI) calculation when PFBS occurs in a mixture with one or more of HFPO-DA, PFHxS, and PFNA.



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UCMR 5 samples from earlier SEs at this PWS that were provided via similar notifications from the EPA are listed below, as appropriate. An additional 23 PFAS (*i.e.*, PFAS not in the NPDWR) are being monitored under UCMR 5; available preliminary results follow.

UCMR 5 Early Notification Record for PWS MD0060006				
Notification Date	Sample Kit ID	Facility ID	Sample Point ID and Name	Sample Event
Mar 2024	111991P	TP13	EP13 Park Ridge Well	SE1
Mar 2024	111988P	TP10	EP10 Manchester Farms Well	SE1
Aug 2024	118640P	TP13	EP13 Park Ridge Well	SE2
Aug 2024	118637P	TP10	EP10 Manchester Farms Well	SE2

PWS ID MD0060006		Sample Kit ID 118635P		
PFAS	CASRN	Preliminary Single Sample Event Result		UCMR 5 MRL
EPA Method 533				
		($\mu\text{g/L}$, ppb)	(ng/L, ppt)	(ng/L, ppt)
PFOS	1763-23-1	< MRL	< MRL	4
PFOA	335-67-1	0.0042	4.2	4
HFPO-DA (GenX)	13252-13-6	< MRL	< MRL	5
PFHxS	355-46-4	< MRL	< MRL	3
PFNA	375-95-1	< MRL	< MRL	4
PFBS	375-73-5	0.0041	4.1	3
PFBA	375-22-4	< MRL	< MRL	5
PFHxA	307-24-4	< MRL	< MRL	3
PFDA	335-76-2	< MRL	< MRL	3
11CI-PF3OUdS	763051-92-9	< MRL	< MRL	5
8:2 FTS	39108-34-4	< MRL	< MRL	5
4:2 FTS	757124-72-4	< MRL	< MRL	3
6:2 FTS	27619-97-2	< MRL	< MRL	5
ADONA	919005-14-4	< MRL	< MRL	3
9CI-PF3ONS	756426-58-1	< MRL	< MRL	2
NFDHA	151772-58-6	< MRL	< MRL	20
PFEESA	113507-82-7	< MRL	< MRL	3
PFMPA	377-73-1	< MRL	< MRL	4
PFMBA	863090-89-5	< MRL	< MRL	3
PFDoA	307-55-1	< MRL	< MRL	3
PFHpS	375-92-8	< MRL	< MRL	3
PFHpA	375-85-9	< MRL	< MRL	3
PFPeS	2706-91-4	< MRL	< MRL	4
PFPeA	2706-90-3	< MRL	< MRL	3
PFUnA	2058-94-8	< MRL	< MRL	2
EPA Method 537.1				
NEtFOSAA	2991-50-6	< MRL	< MRL	5
NMeFOSAA	2355-31-9	< MRL	< MRL	6
PFTA	376-06-7	< MRL	< MRL	8
PFTrDA	72629-94-8	< MRL	< MRL	7
$\mu\text{g/L}$ = parts per billion (ppb)		CASRN = Chemical Abstracts Service Registry Number		
ng/L = parts per trillion (ppt)		To convert $\mu\text{g/L}$ to ng/L, multiply value by 1,000		