



The Fifth Unregulated Contaminant Monitoring Rule (UCMR 5) Early Notification for Preliminary Small PWS PFAS Results Above a U.S. EPA Health Advisory Level

Re: **TOWN OF MANCHESTER** (PWS ID **MD0060006**, Sample Kit ID **111988P**)
3337 Victory Street, Manchester, MD 21102-0830 (EPA Region 3)

PFAS Above HA

PFOA

PWS Contact (if registered in SDWARS): **Delbert Green** dgreen@manchestermd.gov

As detailed below, one or more per- and polyfluoroalkyl substances (PFAS) from UCMR 5 sampling at the subject small public water system (PWS) were reported above a U.S. EPA lifetime health advisory (HA) level in preliminary results (*i.e.*, laboratory-approved but not yet reviewed by EPA). The EPA established HA levels for four of the 29 PFAS being monitored under UCMR 5; an early notification such as this is initiated only by results above an HA level. The EPA's HAs are non-enforceable and non-regulatory.

Small PWSs that participate in UCMR 5 with an active CDX/SDWARS 5 account, as recommended by the EPA, will receive an automated notice when their results are posted to SDWARS 5 (*i.e.*, next month). **The preliminary results in this report should be compared to the results in SDWARS 5**, when available, that will ultimately be released to the public (approximately quarterly) via the EPA's [UCMR 5 Data Finder and Occurrence Data webpage](#).

This notification is intended to give additional time for consultation and consideration of the results to determine whether communication with PWS customers (including "consecutive" PWSs that purchase water from a "parent" PWS) or any other action (*e.g.*, meeting state requirements) is warranted prior to the public release of the data by the EPA, in addition to the established Tier 3 Public Notification (PN) [40 CFR 141.207] and Consumer Confidence Report (CCR) [40 CFR 141.153(d)(7)] requirements.

When considering notification options for their customers, PWSs should be aware that the PN Rule requires PWSs to notify their customers about the availability of UCMR results no later than 12 months after they are known by the PWS. Community water systems are also required to report UCMR results in their annual CCR when unregulated contaminants are found (*i.e.*, measured at or above the UCMR 5 Minimum Reporting Levels [MRLs]). PWSs are responsible for being aware of and complying with their state's reporting requirements, if any.

The agency is currently using the 2022 EPA lifetime HA levels for PFOA, PFOS, GenX chemicals, and PFBS as "reference concentrations" and as the threshold for initiating UCMR 5 early notification. Where the HA level is lower than the UCMR 5 MRL (*i.e.*, PFOA, PFOS), the EPA is providing notification for results equal to or greater than the MRL. The EPA's HAs, along with fact sheets, are available at <https://www.epa.gov/sdwa/drinking-water-health-advisories-pfoa-and-pfos>.

In March 2023, the EPA announced a proposed National Primary Drinking Water Regulation (NPDWR) for six PFAS included in UCMR 5 monitoring (PFOA, PFOS, GenX chemicals, PFBS, PFHxS, PFNA). The EPA will update the notification process, as appropriate, when the final NPDWR is promulgated. The proposed PFAS NPDWR does not require any actions until it is finalized. For more information, visit <https://www.epa.gov/sdwa/and-polyfluoroalkyl-substances-pfas>.

The sample was collected on **1/17/2024** from **Facility TP10 TOWN OF MANCHESTER / Sample Point EP10 Manchester Farms Well** location for sample event **SE1**. The EPA's UCMR 5 small PWS contract laboratory identified the following concentrations for the four PFAS with EPA HAs:

PFAS (EPA Method 533)	Preliminary Sample Result		EPA Lifetime Health Advisory Level (ppt)*	UCMR 5 MRL (ppt)
	(µg/L, ppb)	(ng/L, ppt)*		
PFOA	0.0047	4.7	0.004 (interim)	4
PFOS	< MRL	< MRL	0.02 (interim)	4
HFPO-DA (GenX)	< MRL	< MRL	10 (final)	5
PFBS	0.0161	16.1	2,000 (final)	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	

*EPA HA levels are expressed with one significant digit; comparison of UCMR results to HA levels is therefore based on one significant digit. The EPA is initiating notification for GenX and PFBS results that are at or above 15 and 2,500 ppt, respectively, which round to 20 and 3,000 ppt.



The Fifth Unregulated Contaminant Monitoring Rule (UCMR 5) Early Notification for Preliminary Small PWS PFAS Results Above a U.S. EPA Health Advisory Level

Information from prior UCMR 5 sample events for this PWS that yielded PFAS results above an EPA HA is provided below, as appropriate. An additional 25 PFAS (*i.e.*, PFAS without EPA HAs) are being monitored under UCMR 5; available preliminary PFAS results are provided in the following report.

PWS ID MD0060006		Sample Kit ID 111988P		
PFAS	CASRN	Preliminary Sample Result		UCMR 5 MRL
		(µg/L, ppb)	(ng/L, ppt)	(ng/L, ppt)
EPA Method 533				
PFOA	335-67-1	0.0047	4.7	4
PFOS	1763-23-1	< MRL	< MRL	4
HFPO-DA (GenX)	13252-13-6	< MRL	< MRL	5
PFBS	375-73-5	0.0161	16.1	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
PFBA	375-22-4	< MRL	< MRL	5
PFDA	335-76-2	< MRL	< MRL	3
PFDoA	307-55-1	< MRL	< MRL	3
PFHpS	375-92-8	< MRL	< MRL	3
PFHpA	375-85-9	< MRL	< MRL	3
PFHxS	355-46-4	< MRL	< MRL	3
PFHxA	307-24-4	0.0035	3.5	3
PFNA	375-95-1	< MRL	< MRL	4
PFPeS	2706-91-4	< MRL	< MRL	4
PFPeA	2706-90-3	0.0030	3	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
µg/L = parts per billion (ppb)		CASRN = Chemical Abstracts Service Registry Number		
ng/L = parts per trillion (ppt)		To convert µg/L to ng/L, multiply value by 1,000		



The Fifth Unregulated Contaminant Monitoring Rule (UCMR 5) Early Notification for Preliminary Small PWS PFAS Results Above a U.S. EPA Health Advisory Level

Re: **TOWN OF MANCHESTER** (PWS ID **MD0060006**, Sample Kit ID **111991P**)
3337 Victory Street, Manchester, MD 21102-0830 (EPA Region 3)

PFAS Above HA
PFOA

PWS Contact (if registered in SDWARS): **Delbert Green** dgreen@manchestermd.gov

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The sample was collected on **1/23/2024** from **Facility TP13 TOWN OF MANCHESTER / Sample Point EP13 Park Ridge Well** location for sample event **SE1**. The EPA's UCMR 5 small PWS contract laboratory identified the following concentrations for the four PFAS with EPA HAs:

PFAS (EPA Method 533)	Preliminary Sample Result		EPA Lifetime Health Advisory Level (ppt)*	UCMR 5 MRL (ppt)
	(µg/L, ppb)	(ng/L, ppt)*		
PFOA	0.0042	4.2	0.004 (interim)	4
PFOS	< MRL	< MRL	0.02 (interim)	4
HFPO-DA (GenX)	< MRL	< MRL	10 (final)	5
PFBS	0.0067	6.7	2,000 (final)	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	

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PFAS	CASRN	Preliminary Sample Result		UCMR 5 MRL
		(µg/L, ppb)	(ng/L, ppt)	(ng/L, ppt)
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PFOA	335-67-1	0.0042	4.2	4
PFOS	1763-23-1	< MRL	< MRL	4
HFPO-DA (GenX)	13252-13-6	< MRL	< MRL	5
PFBS	375-73-5	0.0067	6.7	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
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PFDA	335-76-2	< MRL	< MRL	3
PFDoA	307-55-1	< MRL	< MRL	3
PFHpS	375-92-8	< MRL	< MRL	3
PFHpA	375-85-9	< MRL	< MRL	3
PFHxS	355-46-4	< MRL	< MRL	3
PFHxA	307-24-4	0.0032	3.2	3
PFNA	375-95-1	< MRL	< MRL	4
PFPeS	2706-91-4	< MRL	< MRL	4
PFPeA	2706-90-3	0.0031	3.1	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
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