



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 MOUNT AIRY** (PWS ID **MD0060007**, Sample Kit ID **108815P**)

110 S Main Street, Mount Airy, MD 21771 (EPA Region 3)

PWS Contact (if registered in SDWARS): **Terry Driver** wwtp@mountairymd.org

PFAS Above HA

PFOA

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). EPA established HA levels for 4 of the 29 PFAS being monitored under UCMR 5; an early notification such as this is initiated only by results above an HA level. 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 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 EPA's UCMR webpage and [National Contaminant Occurrence Database \(NCOD\)](#).

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 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 all UCMR results no later than 12 months after they are known. 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 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), EPA is providing notification for results equal to or greater than the MRL. EPA's HAs, along with fact sheets, are available at <https://www.epa.gov/sdwa/drinking-water-health-advisories-genx-chemicals-and-pfbs>.

On March 14, 2023, EPA announced a proposed National Primary Drinking Water Regulation (NPDWR) for 6 PFAS included in UCMR 5 monitoring (PFOA, PFOS, GenX chemicals, PFBS, PFHxS, and PFNA). 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 **10/11/2023** from **Facility TP01 TOWN OF MOUNT AIRY / Sample Point EP01 EP01** location for sample event **SE2**. EPA's UCMR 5 small PWS contract laboratory identified the following concentrations for the 4 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	0.0040	4	0.004 (interim)	4
PFOS	< MRL	< MRL	0.02 (interim)	4
HFPO-DA (GenX)	< MRL	< MRL	10 (final)	5
PFBS	0.0066	6.6	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. 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.

UCMR 5 Early Notification Record for PWS MD0060007					
Notification Date	Sample Kit ID	Facility ID	Sample Point ID and Name		Sample Event
Jul 2023	103040P	TP05	EP05 EP05		SE1
Jul 2023	103038P	TP03	EP03 EP03		SE1
Jul 2023	103037P	TP02	EP02 EP02		SE1
PWS ID MD0060007					Sample Kit ID 108815P
PFAS	CASRN	Preliminary Sample Result ($\mu\text{g/L}$, ppb) (ng/L, ppt)		UCMR 5 MRL (ng/L, ppt)	
EPA Method 533					
PFOA	335-67-1	0.0040	4	4	
PFOS	1763-23-1	< MRL	< MRL	4	
HFPO-DA (GenX)	13252-13-6	< MRL	< MRL	5	
PFBS	375-73-5	0.0066	6.6	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	0.0042	4.2	3	
PFNA	375-95-1	< MRL	< MRL	4	
PFPeS	2706-91-4	< MRL	< MRL	4	
PFPeA	2706-90-3	0.0049	4.9	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	
PFTTrDA	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		



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 MOUNT AIRY** (PWS ID **MD0060007**, Sample Kit ID **108816P**)
110 S Main Street, Mount Airy, MD 21771 (EPA Region 3)
 PWS Contact (if registered in SDWARS): **Terry Driver** wwtp@mountairymd.org

PFAS Above HA	
PFOA	
PFOS	

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). EPA established HA levels for 4 of the 29 PFAS being monitored under UCMR 5; an early notification such as this is initiated only by results above an HA level. 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 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 EPA's UCMR webpage and [National Contaminant Occurrence Database \(NCOD\)](#).

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 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 all UCMR results no later than 12 months after they are known. 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 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), EPA is providing notification for results equal to or greater than the MRL. EPA's HAs, along with fact sheets, are available at <https://www.epa.gov/sdwa/drinking-water-health-advisories-genx-chemicals-and-pfbs>.

On March 14, 2023, EPA announced a proposed National Primary Drinking Water Regulation (NPDWR) for 6 PFAS included in UCMR 5 monitoring (PFOA, PFOS, GenX chemicals, PFBS, PFHxS, and PFNA). 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 **10/11/2023** from **Facility TP02 TOWN OF MOUNT AIRY / Sample Point EP02 EP02** location for sample event **SE2**. EPA's UCMR 5 small PWS contract laboratory identified the following concentrations for the 4 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	0.0060	6	0.004 (interim)	4
PFOS	0.0059	5.9	0.02 (interim)	4
HFPO-DA (GenX)	< MRL	< MRL	10 (final)	5
PFBS	0.0040	4	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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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.

UCMR 5 Early Notification Record for PWS MD0060007					
Notification Date	Sample Kit ID	Facility ID	Sample Point ID and Name		Sample Event
Jul 2023	103040P	TP05	EP05 EP05		SE1
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Jul 2023	103037P	TP02	EP02 EP02		SE1
PWS ID MD0060007				Sample Kit ID 108816P	
PFAS	CASRN	Preliminary Sample Result ($\mu\text{g/L}$, ppb) (ng/L, ppt)		UCMR 5 MRL (ng/L, ppt)	
EPA Method 533					
PFOA	335-67-1	0.0060	6	4	
PFOS	1763-23-1	0.0059	5.9	4	
HFPO-DA (GenX)	13252-13-6	< MRL	< MRL	5	
PFBS	375-73-5	0.0040	4	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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ADONA	919005-14-4	< MRL	< MRL	3	
9CI-PF3ONS	756426-58-1	< MRL	< MRL	2	
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PFMPA	377-73-1	< MRL	< MRL	4	
PFMBA	863090-89-5	< 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	0.0030	3	3	
PFHxS	355-46-4	< MRL	< MRL	3	
PFHxA	307-24-4	0.0052	5.2	3	
PFNA	375-95-1	< MRL	< MRL	4	
PFPeS	2706-91-4	< MRL	< MRL	4	
PFPeA	2706-90-3	0.0060	6	3	
PFUnA	2058-94-8	< MRL	< MRL	2	
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NETFOSAA	2991-50-6	< MRL	< MRL	5	
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DELIBERATIVE / PRIVILEGED



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PFAS Above HA

PFOA

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The sample was collected on **10/11/2023** from **Facility TP03 TOWN OF MOUNT AIRY / Sample Point EP03 EP03** location for sample event **SE2**. EPA's UCMR 5 small PWS contract laboratory identified the following concentrations for the 4 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	0.0127	12.7	0.004 (interim)	4
PFOS	< MRL	< MRL	0.02 (interim)	4
HFPO-DA (GenX)	< MRL	< MRL	10 (final)	5
PFBS	< MRL	< MRL	2,000 (final)	3
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Jul 2023	103040P	TP05	EPO5 EP05		SE1
Jul 2023	103038P	TP03	EPO3 EP03		SE1
Jul 2023	103037P	TP02	EPO2 EP02		SE1

PWS ID MD0060007			Sample Kit ID 108817P		
PFAS	CASRN	Preliminary Sample Result (µg/L, ppb) (ng/L, ppt)		UCMR 5 MRL (ng/L, ppt)	
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PFOA	335-67-1	0.0127	12.7	4	
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Re: **TOWN OF MOUNT AIRY** (PWS ID **MD0060007**, Sample Kit ID **108819P**)

110 S Main Street, Mount Airy, MD 21771 (EPA Region 3)

PWS Contact (if registered in SDWARS): **Terry Driver** wwtp@mountairymd.org

PFAS Above HA

PFOA

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Jul 2023	103037P	TP02	EPO2 EP02		SE1
PWS ID MD0060007					Sample Kit ID 108819P
PFAS	CASRN	Preliminary Sample Result ($\mu\text{g/L}$, ppb) (ng/L, ppt)		UCMR 5 MRL (ng/L, ppt)	
EPA Method 533					
PFOA	335-67-1	0.0045	4.5	4	
PFOS	1763-23-1	< MRL	< MRL	4	
HFPO-DA (GenX)	13252-13-6	< MRL	< MRL	5	
PFBS	375-73-5	< 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	
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	0.0045	4.5	3	
PFNA	375-95-1	< MRL	< MRL	4	
PFPeS	2706-91-4	< MRL	< MRL	4	
PFPeA	2706-90-3	0.0042	4.2	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	
PFTTrDA	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		

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