



UCMR5 Quarterly Report

As of March 2024:

Every five years, the Environmental Protection Agency (EPA) reviews and selects a list of unregulated contaminants for public water systems to monitor. This study benefits the environment and public health by providing valid data on the occurrence of these contaminants in drinking water. The EPA uses this data to develop regulatory decisions for emerging contaminants. This requirement is mandatory for all public water systems that serve more than 10,000 customers.

During 2024, the Service Authority will participate in the Unregulated Contaminant Monitoring Rule 5, (UCMR5) for the East and West distribution systems. Staff will collect samples from each system’s main entry points during the months of February, May, August, and November.

UCMR5 requires testing for 29 per- and polyfluoroalkyl substances (PFAS) and lithium. This list includes the PFAS chemicals that EPA is proposing Maximum Contaminant Levels (MCLs), PFOA, and PFOS as individual contaminants, and PFHxS, PFNA, PFBS, and HFPO-DA (commonly referred to as GenX Chemicals) as a PFAS mixture.

Compound	Proposed MCL (enforceable levels)	East System Point of Entry - Fairfax Water				West System Point of Entry - Fairfax Water				West System Point of Entry - City of Manassas			
		Feb-24	May-24	Aug-24	Nov-24	Feb-24	May-24	Aug-24	Nov-24	Feb-24	May-24	Aug-24	Nov-24
PFOA	4.0 parts per trillion (ppt)	<RL*				<RL				<RL			
PFOS	4.0 ppt	<RL				<RL				<RL			
PFNA	1.0 (unitless)												
PFHxS	Hazard Index	<1				<1				<1			
PFBS													
Gen X													

* Less than the reporting limit, which is the smallest concentration of a chemical that can be reported by a laboratory with certainty.