

What EPA's nationwide PFAS testing found

Under its Fifth Unregulated Contaminant Monitoring Rule (UCMR 5), EPA had public water systems test the water leaving their treatment plants and wells for 29 PFAS between January 2023 and June 2026. This summary compares those results with the drinking-water limits EPA set in April 2024, for every monitored system in the 50 states, D.C., five territories and tribal lands.

81.8million

people are served by monitored water systems where at least one sample was at or above a 2024 federal PFAS limit. This is the population the systems report serving, not a count of people confirmed to have received water above a limit. It is 26.8% of the 305.2 million people served by monitored systems. Using each entry point's average instead of its highest result, the figure is 57.2 million (18.7%).

66,457

community and non-transient non-community water systems listed nationwide

10,313

monitored under UCMR 5 — 15.5% of systems, serving 90.0% of the people

3,595

monitored systems with at least one PFAS detected (34.9%)

1,763

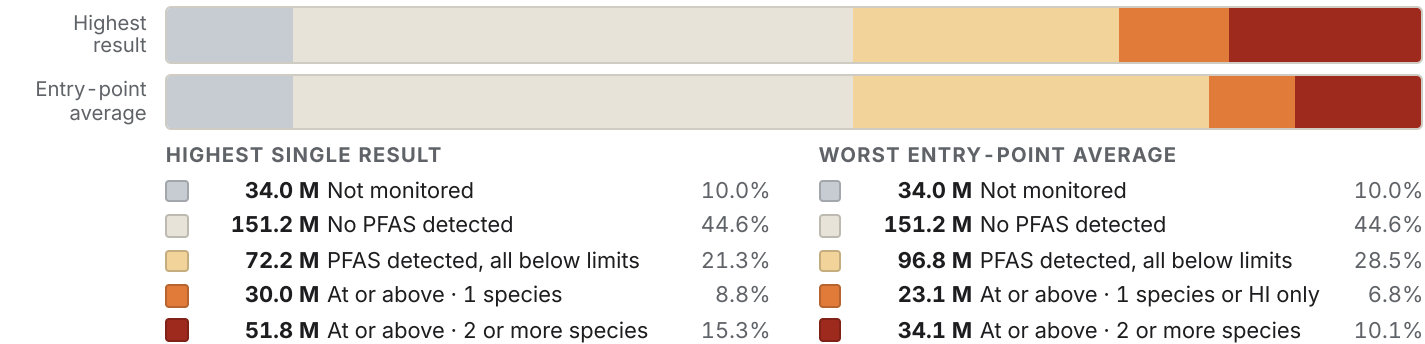
systems at or above at least one limit (17.1%); 1,198 on the average basis

981

systems with two or more PFAS at or above their limits; 615 on the average basis

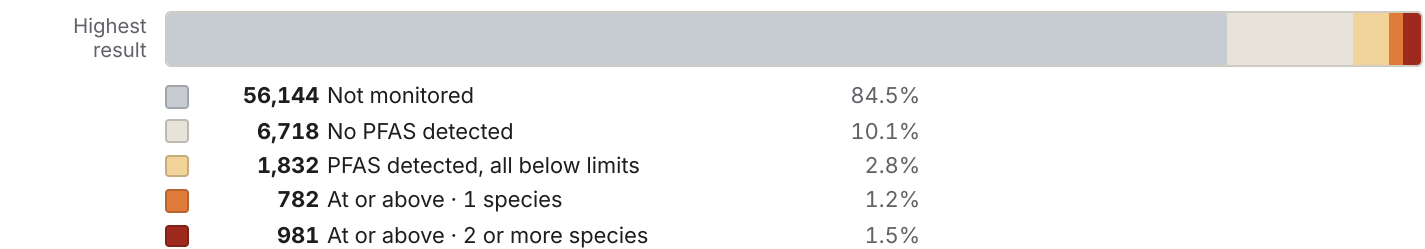
Where the 339.2 million people served by public water systems fall

Population served, as reported by each system to EPA (SDWIS). Upper bar: each system's highest single result. Lower bar: its worst entry-point average.



And the 66,457 systems

Most systems are small. UCMR 5 required testing by systems serving more than 3,300 people but only by EPA's representative sample of smaller ones, which is why 84% of systems — but only 10% of people — fall outside the monitoring.



Highest single result — the largest value found in any one sample from the system. One high sample is enough to count.

Worst entry-point average — each entry point's samples averaged (non-detects as 0), then the highest of those averages. Closer to how compliance averaging works, but still not a compliance determination.

Limits — the 2024 maximum contaminant levels: PFOA and PFOS 4 ppt; PFHxS, PFNA and HFPO-DA (GenX) 10 ppt; Hazard Index 1 for mixtures of PFHxS, PFNA, HFPO-DA and PFBS.

WHICH PFAS?

PFOA and PFOS dominate the results

1,739 of the 1,763 systems at or above any limit are at or above it for PFOA or PFOS. The table shows, for each measure, the monitored systems with at least one result at or above its limit and the people they serve. PFOA and PFOS have the lowest limits (4 ppt), equal to the lowest level UCMR 5 laboratories had to report — so **any** quantified PFOA or PFOS result counts as at or above its limit on the highest-result basis.

Highest single result

Worst entry - point average

MEASURE	LIMIT	SYSTEMS AT OR ABOVE	PEOPLE SERVED	HIGHEST VALUE (ppt; HI unitless)
PFOA	4 ppt	1,305 822	62.4 M 40.2 M	235 235.0 avg
PFOS	4 ppt	1,352 924	68.7 M 48.6 M	490 345.0 avg
HI	1 (unitless)	229 152	15.0 M 10.4 M	26.0 23.1 avg
PFHxS	10 ppt	175 125	10.1 M 7.6 M	250.2 221.9 avg
PFNA	10 ppt	21 16	1.4 M 473,353	99.8 85.4 avg
HFPO-DA	10 ppt	17 10	362,178 245,748	170 81.4 avg
COMBINED				
PFOA or PFOS		1,739 1,178	81.5 M 56.8 M	
Both PFOA and PFOS		918 568	49.6 M 32.0 M	
Any limit		1,763 1,198	81.8 M 57.2 M	

Why "any limit" equals "PFOA, PFOS or HI". A single PFHxS, PFNA or HFPO-DA result of 10 ppt or more already puts the Hazard Index at 1 or more, so every system above one of those three limits is also above the HI limit. Rows above are not additive: one system can appear in several.

How far above the limit?

Systems at or above a limit, by their highest ratio to the PFOA, PFOS or HI limit (the three measures colored on the Project Abacus maps). The highest ratio found was 122.5 times a limit.

HIGHEST RATIO TO A LIMIT	SYSTEMS	PEOPLE SERVED — HIGHEST RESULT	SYSTEMS	PEOPLE SERVED — ENTRY-POINT AVERAGE
1 to under 3 times the limit	1,267	56.3 M	857	36.2 M
3 to under 10 times	445	23.1 M	312	20.0 M
10 times or more	51	2.3 M	29	962,807
Total at or above a limit	1,763	81.8 M	1,198	57.2 M

REGULATORY STATUS AS OF OCTOBER 18, 2026

The April 2024 rule set the limits above, with compliance — based on running annual averages of compliance monitoring, not single UCMR 5 samples — due starting April 2029. On May 18, 2026, EPA announced proposals to rescind the PFHxS, PFNA, HFPO-DA and Hazard Index limits and to let qualifying systems obtain extensions to April 2031 for PFOA and PFOS. Those proposals are not final; the PFOA and PFOS limits are unchanged by them. The PFHxS, PFNA, HFPO-DA and HI rows on this page would no longer correspond to federal limits if the rescission is finalized.

981 of 1,763 are above limits for two or more PFAS

Of the 1,763 systems at or above at least one limit (highest-result basis), 981 (56%) had two or more of the five regulated PFAS at or above their individual limits, serving 51.8 million people. On the entry-point-average basis it is 615 of 1,198 (51%).

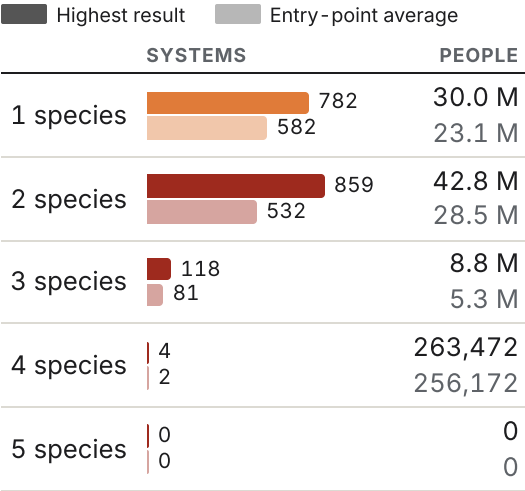
782 · one species

981 · two or more

Systems at or above a limit, highest single result. People served: 30.0 M (one species) and 51.8 M (two or more). Of the 981, 950 had two or more species at or above their limits in the same sample; on the average basis, 601 of 615 had them at the same entry point. The rest reached limits for different PFAS in different samples or at different entry points.

Number of species at or above their limits

Counts the five individually regulated PFAS; the Hazard Index is a mixture measure, not a species. One system on the average basis is above the HI limit with no single species above its own limit (8,616 people).



Which combinations?

Systems with two or more species at or above their limits, by the exact set of species.

SPECIES AT OR ABOVE	SYSTEMS highest result	PEOPLE	SYSTEMS avg.	PEOPLE avg.
PFOA + PFOS	796	40.5 M	485	26.4 M
PFOA + PFOS + PFHxS	96	7.5 M	67	5.0 M
PFOS + PFHxS	48	1.6 M	38	1.7 M
PFOA + PFOS + PFNA	11	995,431	10	140,183
PFOA + PFHxS	11	511,656	6	242,579
PFOA + PFOS + HFPO-DA	11	322,826	4	168,248
PFOA + PFOS + PFHxS + PFNA	4	263,472	2	256,172
PFOA + PFNA	3	145,795	0	0
PFOA + HFPO-DA	1	6,762	1	52,328
PFOS + HFPO-DA	0	0	1	3,174
1 other combination	0	0	1	39,648

PFOA and PFOS together appear in 918 of the 981 multi-species systems; PFOA + PFOS alone accounts for 796.

Larger systems were more often at or above a limit

Share of monitored systems at or above at least one limit, by population served. Systems serving 3,300 or fewer people were monitored mainly through EPA's representative sample (1,004 systems here, sized by current SDWIS population; some were in EPA's larger size groups when UCMR 5 began). Larger systems usually have more entry points and more samples, which gives more chances for one result to reach a limit; this is a description, not an explanation.

PEOPLE SERVED	MONITORED SYSTEMS	PEOPLE	SHARE AT OR ABOVE A LIMIT
500 or fewer	229	39,205	11.8% · 27 8.3% · 19
501 – 3,300	775	1.4 M	10.1% · 78 6.6% · 51
3,301 – 10,000	4,707	28.3 M	12.5% · 587 8.4% · 394
10,001 – 100,000	4,117	119.0 M	21.9% · 903 15.0% · 617
More than 100,000	485	156.5 M	34.6% · 168 24.1% · 117

Results by EPA region

Each row counts the monitored systems in the states and territories EPA administers through that regional office. Tribal systems are counted under the agency that regulates them (an EPA region, or Navajo Nation EPA). In each cell, the top number uses the highest single result and the lower, grey number the worst entry - point average.

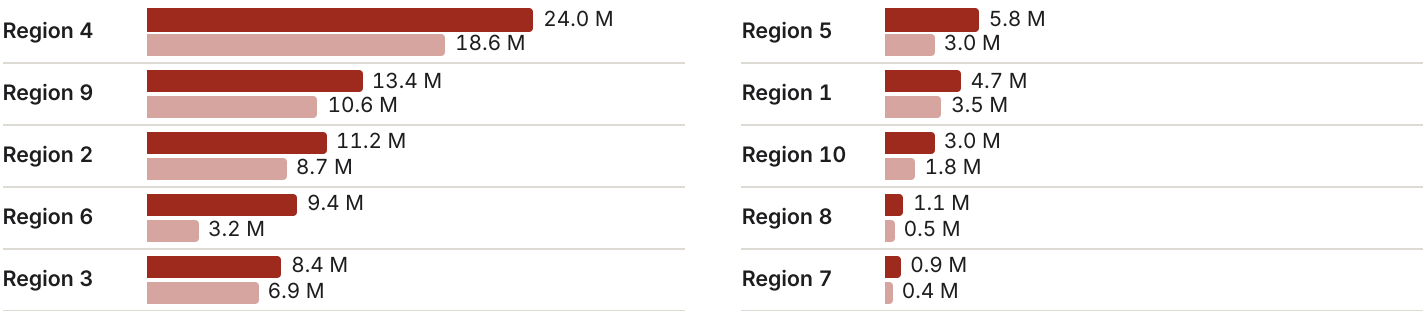
Highest single result Worst entry - point average

REGION	MONITORED SYSTEMS · PEOPLE	SYSTEMS AT OR ABOVE A LIMIT	PEOPLE SERVED BY THOSE SYSTEMS	SYSTEMS WITH 2+ SPECIES	SHARE OF MONITORED POPULATION SERVED BY SYSTEMS AT OR ABOVE A LIMIT
Region 1 CT, ME, MA, NH, RI, VT	487 12.4 M	178 131	4.7 M 3.5 M	100 63	37.7% 28.0%
Region 2 NJ, NY, PR, VI	704 29.0 M	237 172	11.2 M 8.7 M	121 72	38.5% 29.9%
Region 3 DE, DC, MD, PA, VA, WV	786 26.0 M	191 144	8.4 M 6.9 M	117 79	32.2% 26.6%
Region 4 AL, FL, GA, KY, MS, NC, SC, TN	2,177 65.7 M	552 386	24.0 M 18.6 M	367 235	36.6% 28.2%
Region 5 IL, IN, MI, MN, OH, WI	1,794 40.8 M	159 98	5.8 M 3.0 M	50 27	14.2% 7.4%
Region 6 AR, LA, NM, OK, TX	1,851 42.1 M	135 41	9.4 M 3.2 M	51 13	22.2% 7.7%
Region 7 IA, KS, MO, NE	541 11.3 M	27 15	923,687 395,893	7 4	8.2% 3.5%
Region 8 CO, MT, ND, SD, UT, WY	472 12.2 M	26 9	1.1 M 514,224	10 6	9.0% 4.2%
Region 9 AS, AZ, CA, GU, HI, NV, MP	1,012 51.3 M	203 163	13.4 M 10.6 M	131 99	26.1% 20.7%
Region 10 AK, ID, OR, WA	476 14.3 M	55 39	3.0 M 1.8 M	27 17	21.1% 12.7%
Navajo Nation EPA tribal systems	13 71,627	0 0	0 0	0 0	0.0% 0.0%
All regions	10,313 305.2 M	1,763 1,198	81.8 M 57.2 M	981 615	26.8% · 18.7%

Region 4 (Southeast) has the most monitored systems at or above a limit: 552 of 2,177, serving 24.0 million people (36.6% of its monitored population). It also has the most monitored systems overall. Regions differ in how many systems they have, how large those systems are, and in their mix of groundwater and surface-water sources, so the shares describe where results were found, not why.

People served by systems at or above a limit, by region

Millions of people. Solid: highest single result. Light: worst entry - point average.



State by state

Listed = active community and non-transient non-community systems (SDWIS). People = population served. ≥ limit = at or above at least one 2024 limit. Tribal systems are counted in the state build that lists them (three listed in both Arizona and California are counted once, in Arizona).

STATE / TERRITORY	EPA REGION	LISTED SYSTEMS	MONITORED SYSTEMS	MONITORED PEOPLE	HIGHEST SINGLE RESULT			ENTRY-POINT AVERAGE		% OF MONITORED PEOPLE ≥ LIMIT (HIGHEST)
					SYSTEMS ≥ LIMIT	PEOPLE ≥ LIMIT	SYSTEMS 2+ SPECIES	SYSTEMS ≥ LIMIT	PEOPLE ≥ LIMIT	
Alabama	4	524	308	6.1 M	82	2.0 M	59	60	1.5 M	32%
Alaska	10	637	30	573,160	4	331,575	3	2	226,251	58%
American Samoa	9	10	1	45,315	0	0	0	0	0	0%
Arizona	9	1,150	180	7.1 M	26	1.1 M	18	23	858,128	15%
Arkansas	6	683	172	2.5 M	1	4,517	0	0	0	0%
California	9	4,390	729	39.3 M	171	11.6 M	109	135	9.1 M	30%
Colorado	8	1,238	165	6.4 M	15	599,704	5	4	101,207	9%
Connecticut	1	952	65	2.6 M	36	1.7 M	25	30	1.5 M	65%
Delaware	3	286	36	953,801	14	724,134	8	12	637,206	76%
District of Columbia	3	5	3	669,534	0	0	0	0	0	0%
Florida	4	2,375	409	21.4 M	161	11.1 M	107	132	10.0 M	52%
Georgia	4	1,905	256	9.8 M	45	1.8 M	32	29	1.4 M	19%
Guam	9	8	5	174,316	1	139,207	1	1	139,207	80%
Hawaii	9	132	45	1.5 M	0	0	0	0	0	0%
Idaho	10	1,017	63	1.3 M	4	181,070	2	2	21,500	13%
Illinois	5	2,207	487	11.1 M	30	519,669	9	15	365,463	5%
Indiana	5	1,367	230	4.8 M	21	480,059	4	6	166,389	10%
Iowa	7	1,197	153	2.5 M	8	405,784	3	2	155,295	16%
Kansas	7	890	103	2.4 M	6	104,473	2	4	84,041	4%
Kentucky	4	388	231	4.8 M	32	1.3 M	9	9	199,762	28%
Louisiana	6	1,023	268	4.6 M	7	440,926	5	1	6,354	10%
Maine	1	769	41	534,139	5	55,766	2	3	28,971	10%
Maryland	3	1,014	83	5.4 M	16	169,268	12	15	163,361	3%
Massachusetts	1	772	263	7.1 M	109	2.3 M	60	80	1.4 M	32%
Michigan	5	2,823	324	6.8 M	8	243,255	2	5	219,330	4%
Minnesota	5	1,472	200	4.2 M	17	387,885	7	11	288,185	9%
Mississippi	4	1,089	239	2.3 M	7	98,706	4	5	84,633	4%
Missouri	7	1,664	232	5.0 M	9	305,345	1	6	73,399	6%
Montana	8	1,172	46	612,839	2	25,125	0	0	0	4%
Nebraska	7	727	53	1.4 M	4	108,085	1	3	83,158	8%
Nevada	9	382	59	3.2 M	4	493,864	2	3	488,064	15%
New Hampshire	1	1,160	51	732,663	16	313,322	7	10	236,708	43%
New Jersey	2	1,179	266	8.8 M	156	6.9 M	97	120	5.2 M	78%
New Mexico	6	812	90	1.8 M	5	102,824	0	1	2,286	6%
New York	2	2,947	336	17.1 M	52	2.5 M	20	34	1.9 M	14%
North Carolina	4	2,287	292	9.0 M	118	4.2 M	77	76	2.7 M	46%
North Dakota	8	325	41	583,771	0	0	0	0	0	0%
Northern Mariana Islands	9	48	2	49,268	1	48,524	1	1	48,524	98%
Ohio	5	1,695	347	10.0 M	60	3.9 M	16	40	1.7 M	39%
Oklahoma	6	987	170	3.1 M	14	372,984	6	9	330,019	12%
Oregon	10	1,300	129	3.4 M	11	288,433	3	10	226,333	8%
Pennsylvania	3	2,900	390	10.7 M	120	4.9 M	82	93	4.3 M	45%
Puerto Rico	2	454	99	3.0 M	28	1.8 M	4	17	1.5 M	61%
Rhode Island	1	169	29	1.1 M	11	280,093	6	8	220,864	27%
South Carolina	4	641	165	4.5 M	70	2.5 M	59	57	2.2 M	54%
South Dakota	8	524	56	720,639	2	15,508	1	1	4,100	2%
Tennessee	4	472	277	7.7 M	37	1.0 M	20	18	365,234	13%
Texas	6	5,706	1,155	30.1 M	108	8.4 M	40	30	2.9 M	28%
U.S. Virgin Islands	2	171	3	69,550	1	550	0	1	550	1%
Utah	8	606	130	3.5 M	5	447,875	3	3	398,587	13%
Vermont	1	654	38	300,669	1	378	0	0	0	0%
Virginia	3	1,554	171	7.1 M	20	2.5 M	11	13	1.8 M	35%
Washington	10	2,771	254	8.9 M	36	2.2 M	19	25	1.3 M	25%
West Virginia	3	473	103	1.2 M	21	161,388	4	11	104,848	13%
Wisconsin	5	1,936	206	3.8 M	23	296,692	12	21	260,225	8%
Wyoming	8	418	34	411,690	2	12,950	1	1	10,330	3%

Same data, same method: EPA's counts reproduced

EPA's final UCMR 5 Data Summary (July 2026, EPA 815-S-26-007) compares sampling-location averages with the 2024 limits using its own rules. Re-running those rules on the data behind this report reproduces every count in EPA's Table 5 and every Table 4 count the public data allow. The differences between EPA's percentages and this report's therefore come from **which question is asked and how**, not from different data.

EPA Table 4 — water systems with an average above an MCL, EPA method

EPA averages each sampling location's complete set of results and applies the MCLs with their significant digits. The Summary does not say how non-detects were averaged; counting them as 0, as the 2024 rule does, reproduces its counts. EPA splits systems serving 10,000 or fewer into fewer than 3,300 and 3,300–10,000 using February 2021 populations that are not in the public file, so the two are combined here; they match exactly combined.

MEASURE	EPA THRESHOLD	SYSTEMS SERVING MORE THAN 10,000			SYSTEMS SERVING 10,000 OR FEWER		
		WITH COMPLETE RESULTS (EPA)	ABOVE MCL (EPA)	ABOVE MCL (THIS PROJECT)	WITH COMPLETE RESULTS (EPA)	ABOVE MCL (EPA)	ABOVE MCL (THIS PROJECT)
PFOS	≥ 4.05 ppt	4,275	523	523 ✓	5,852	352	352 ✓
PFOA	≥ 4.05 ppt	4,276	472	472 ✓	5,852	307	307 ✓
HFPO-DA (GenX)	≥ 15 ppt	4,277	3	3 ✓	5,852	5	5 ✓
PFHxS	≥ 15 ppt	4,273	40	40 ✓	5,852	26	26 ✓
PFNA	≥ 15 ppt	4,276	3	3 ✓	5,852	6	6 ✓
Hazard Index	≥ 1.5 and 2+ HI PFAS detected	4,273	45	45 ✓	5,850	35	35 ✓
Any of the six		4,277	662	662 ✓	5,852	474	474 ✓

Totals: EPA 1,136 of 10,129 systems with complete results; this project 1,136 of 10,129. Complete-result sampling locations: EPA "approximately 25,950"; this project 25,949.

EPA Table 5 — PFAS found together at the same sampling location

All 29 PFAS, every result at or above the UCMR 5 reporting level, regardless of completeness. The first column is the number of systems with any PFAS detected — 3,595 in both.

UNIQUE PFAS AT OR ABOVE THE REPORTING LEVEL, N OR MORE													
	1	2	3	4	5	6	7	8	9	10	11	12	13
Sampling locations — EPA	6,499	4,286	3,183	2,321	1,614	1,092	676	338	90	21	6	1	1
— this project	6,499	4,286	3,183	2,321	1,614	1,092	676	338	90	21	6	1	1
Water systems — EPA	3,595	2,416	1,874	1,431	1,006	696	432	224	69	18	6	1	1
— this project	3,595	2,416	1,874	1,431	1,006	696	432	224	69	18	6	1	1

From this report's 1,198 systems to EPA's 1,136

Applying EPA's rules one at a time to this report's entry-point-average count. Each step only removes systems; none is added. The system-by-system list is in `epa_comparison_systems_20261018.csv`.

RULE		CHANGE	SYSTEMS	PEOPLE SERVED
This report: worst entry-point average at or above the limit			1,198	57.2 M
1	Keep only sampling locations with a complete set of results (2 ground-water or 4 surface-water samples)	-46	1,152	54.9 M
2	PFOA, PFOS: count averages of 4.05 ppt or more (two significant digits) instead of 4.0	-5	1,147	54.7 M
3	PFHxS, PFNA, HFPO-DA: count averages of 15 ppt or more (one significant digit) instead of 10	0	1,147	54.7 M
4	Hazard Index: 1.5 or more with at least two HI PFAS detected, instead of 1 or more = EPA method	-11	1,136	54.5 M

Why EPA reports 7.8% and this report 11.6%

The figures answer different questions. EPA's national 7.8% is an estimate for every water system in the country, most of which were never tested; the other figures count what was measured in monitored systems. None of them is a count of people — EPA's Data Summary reports systems only.

FIGURE	WHAT IT DESCRIBES	NUMERATOR / DENOMINATOR
■ 7.8%	EPA's weighted national estimate Estimated share of all systems nationwide — including about 56,000 small systems never monitored — with an average above an MCL.	≈ 5,167 of 66,457 systems. Estimated (≈ 6.4–9.5%).
■ 15.5 / 8.3 / 7.1%	EPA, by system size Monitored systems with complete results and an average above an MCL, serving more than 10,000 / 3,300–10,000 / fewer than 3,300 people.	662 / 4,277; 419 / 5,077; 55 / 775. Counted.
■ 11.2%	The same EPA counts, combined Monitored systems with complete results, EPA method. EPA prints the size groups, not this combined figure.	1,136 / 10,129. Counted.
■ 11.6%	This report, entry - point average All monitored systems; worst entry - point average at or above the limit, without EPA's completeness and rounding rules.	1,198 / 10,313. Counted.
■ 17.1%	This report, highest single result All monitored systems; any one sample at or above a limit.	1,763 / 10,313. Counted.

Counted in people instead of systems

Population served (SDWIS) by the monitored systems flagged under each rule, and its share of the 305.2 million people served by monitored systems. Larger systems were flagged more often (page 3), so person - based shares are higher than system - based ones.

EPA's method	54.5 M · 17.8%
Entry - point average	57.2 M · 18.7%
Highest single result	81.8 M · 26.8%

How EPA's 7.8% is built

Table 4, footnote 5: each size group's observed share is multiplied by the number of systems of that size nationwide, the products are added, and the sum is divided by the total. EPA does not state its SDWIS/Fed counts; using this report's SDWIS 2026 Q3 inventory with EPA's published counts gives 7.78%, matching EPA's 7.8%.

PEOPLE SERVED	SYSTEMS NATIONWIDE	MONITORED, COMPLETE RESULTS (EPA)	ABOVE AN MCL (EPA)	OBSERVED SHARE	ESTIMATED SYSTEMS ABOVE, NATIONWIDE	SHARE OF THE ESTIMATE
More than 10,000	4,662	4,277	662	15.5%	722	14%
3,300 – 10,000	5,203	5,077	419	8.3%	429	8%
Fewer than 3,300	56,592	775	55	7.1%	4,016	78%
All systems	66,457	10,129	1,136	11.2%	5,167	= 7.78% of all systems

Systems serving fewer than 3,300 people are 85% of all systems but serve 8% of the people, so they dominate a count of systems: 4,016 of the ≈5,167 estimated systems (78%) are projected from 55 found among the 775 small systems EPA sampled. This is a standard, documented survey method, but it has sampling uncertainty EPA does not publish: treating that sample as simple random, the small - system share's 95% interval is 5.5–9.1%, moving the national estimate across roughly 6.4–9.5% (approximate; EPA's sample was stratified).

READING THE NUMBERS TOGETHER

None of these figures is wrong. 7.8% estimates the share of *all water systems*; 11.2–11.6% counts the share of *monitored systems*; 17.8–18.7% is the share of *people served by monitored systems* on the averaging rules (26.8% on single results). When quoting one, say which question it answers and whether it is counted or estimated.

The 100 systems furthest above a limit

Ranked by each system's **worst entry-point average** as a multiple of the 2024 limit (largest of PFOA ÷ 4 ppt, PFOS ÷ 4 ppt, Hazard Index ÷ 1), using only entry points with a complete set of samples (2 ground-water or 4 surface-water). Ties are broken by the highest single result, then population. All 100 are also above an MCL under EPA's own July 2026 method (page 6). Names as reported to SDWIS; NTNC = non-transient non-community system (school, workplace, hospital) — 6 of the 100. Samples = samples behind the worst average. 2023–2026 entry-point samples; screening comparisons, not compliance findings; a system may have added treatment since.

#	WATER SYSTEM	CITY, STATE	PEOPLE SERVED	WORST ENTRY-POINT AVERAGE (× LIMIT)	MEASURE SETTING IT (AVERAGE)	HIGHEST SINGLE (×) ≥ LIMIT	SPECIES	SAMPLES
1	NASHVILLE, TOWN OF	Nashville, NC	5,900	86.3×	PFOS 345 ppt	122.5×	3	2
2	NTNC POTRERO ELEMENTARY SCHOOL	Pine Valley, CA	300	45.4×	PFOA 181.4 ppt	47.1×	3	2
3	RUNNING SPRINGS WATER DISTRICT	Running Springs, CA	5,268	32.8×	PFOS 131 ppt	59.1×	3	2
4	EMMAUS BOROUGH PUBLIC WATER	Emmaus, PA	14,000	31.8×	PFOS 127 ppt	38.3×	4	2
5	YESHIVA FARM SETTLEMENT	Mt. Kisco, NY	300	23.6×	PFOS 94.5 ppt	26.5×	3	4
6	LUBECK PSD	Washington, WV	11,724	22.4×	PFOA 89.8 ppt	44.9×	1	2
7	ORANGEWOOD WATER SYSTEM	Holiday, FL	6,464	19.5×	PFOS 78.1 ppt	20.2×	3	2
8	GWA NORTHERN WATER SYSTEM	Mangilao, GU	139,207	16.9×	PFOS 67.5 ppt	33.8×	3	2
9	BAYLEAF MASTER	Cary, NC	16,715	14.0×	Hazard Index 14.0	15.3×	3	2
10	NTNC PEQUENAKONCK ELEMENTARY SCHOOL	North Salem, NY	700	13.9×	PFOA 55.8 ppt	27.9×	3	2
11	TEMPE CITY OF	Tempe, AZ	165,000	13.8×	PFOS 55.2 ppt	14.0×	3	2
12	LIBERTY UTILITIES - BELLFLOWER-NORWALK	Downey, CA	72,472	13.8×	PFOS 55 ppt	14.8×	3	2
13	PA AMERICAN AUDUBON	Norristown, PA	8,200	13.5×	PFOS 54.1 ppt	14.5×	2	2
14	NTNC SOMERS TOWN HOUSE/HALL	Somers, NY	32	13.3×	PFOS 53.4 ppt	13.7×	2	2
15	CITY OF OXFORD	Oxford, MS	28,500	13.2×	PFOS 53 ppt	18.1×	3	2
16	CAERNARVON TWP AUTH	Morgantown, PA	4,245	13.0×	PFOA 51.8 ppt	14.0×	1	2
17	RAYNHAM CENTER WATER DISTRICT	Raynham, MA	10,964	12.2×	PFOA 48.7 ppt	23.0×	1	2
18	MONTEBELLO LAND & WATER CO.	Montebello, CA	26,554	11.6×	PFOS 46.5 ppt	13.3×	2	2
19	FCAA J. ROBERT DEAN W.T.P.	Key West, FL	86,000	11.5×	PFOS 46.2 ppt	12.6×	2	2
20	TOWN OF THURMONT	Thurmont, MD	6,200	11.1×	PFOS 44.5 ppt	12.0×	2	2
21	NORTH MIAMI, CITY OF	North Miami, FL	89,349	11.1×	PFOS 44.5 ppt	11.3×	2	2
22	LAKE PANASOFFKEE WATER ASSN 2WPS	Lake Panasoffkee, FL	4,642	11.0×	PFOS 44.1 ppt	13.3×	3	2
23	BARROW UTILITIES & ELEC. COOP., INC. (BU)	Barrow, AK	4,900	11.0×	PFOS 44.1 ppt	11.6×	2	4
24	AUGUSTA - RICHMOND CO WS	Augusta, GA	204,000	10.9×	PFOS 43.7 ppt	12.8×	3	2
25	VERONA WATER DEPARTMENT	Verona, NJ	13,641	10.9×	PFOA 43.4 ppt	11.1×	3	2
26	LIBERTY WATER RIO RICO	Sierra Vista, AZ	17,960	10.1×	PFOS 40.5 ppt	10.2×	3	2
27	PALMERTON MUNICIPAL AUTHORITY	Palmerton, PA	7,000	10.0×	PFOA 39.8 ppt	10.6×	3	2
28	PAYSON TOWN OF	Payson, AZ	17,682	9.9×	PFOA 39.7 ppt	10.6×	3	2
29	OCALA, CITY OF (2 WTPS)	Ocala, FL	66,449	9.8×	PFOS 39 ppt	9.8×	3	2
30	CITY OF SACRAMENTO MAIN	Sacramento, CA	527,979	9.7×	PFOS 38.9 ppt	10.4×	3	2
31	DOWNEY - CITY, WATER DEPT.	Downey, CA	110,556	9.5×	PFOS 38 ppt	11.0×	2	2
32	PALM SPRINGS, VILLAGE OF	Palm Springs, FL	32,467	9.5×	PFOS 38 ppt	9.8×	3	2
33	IRONDALE WATER SYSTEM	Irondale, AL	10,098	9.4×	PFOS 37.5 ppt	14.9×	1	2
34	LIVINGSTON TWP DIV OF WATER	Livingston, NJ	27,391	9.2×	PFOA 37 ppt	11.0×	2	2
35	TARPON SPRINGS WATER SYSTEM	Tarpon Springs, FL	28,875	9.2×	PFOS 36.6 ppt	9.2×	2	2
36	CITY OF CLOVIS	Clovis, CA	133,118	9.0×	PFOS 36 ppt	10.3×	2	2
37	MDWASA/REX UTILITIES	Miami, FL	45,200	8.7×	PFOS 34.7 ppt	9.4×	2	2
38	TRACT 349 MUTUAL WATER CO.	Cudahy, CA	8,700	8.7×	PFOS 34.7 ppt	9.1×	2	2
39	DUXBURY WATER DEPARTMENT	Duxbury, MA	16,387	8.7×	PFOS 34.7 ppt	8.8×	3	2
40	LAUDERHILL, CITY OF	Lauderhill, FL	55,000	8.6×	PFOS 34.5 ppt	9.3×	2	2
41	LANTANA WATER TREATMENT PLANT	Lantana, FL	11,558	8.3×	PFOS 33.4 ppt	8.9×	2	2
42	ABBEVILLE CITY OF (SC0110001)	Abbeville, SC	5,650	8.1×	Hazard Index 8.1	17.0×	1	4
43	NATICK WATER AND SEWER DIVISION	Natick, MA	37,006	8.1×	PFOS 32.2 ppt	9.3×	2	2
44	SAVANNAH VALLEY U.D.	Georgetown, TN	30,571	8.0×	PFOA 32 ppt	8.8×	2	2
45	MDWASA - MAIN SYSTEM	Miami, FL	2,377,460	7.9×	PFOS 31.5 ppt	8.3×	2	2
46	MOSES LAKE CITY OF	Moses Lake, WA	32,428	7.9×	PFOS 31.4 ppt	13.1×	2	2
47	ALOHA GARDENS UTILITIES	Longwood, FL	8,136	7.7×	PFOS 30.9 ppt	8.0×	1	2
48	GRAND BAY WATER WORKS BOARD	Grand Bay, AL	11,100	7.7×	PFOA 30.7 ppt	7.9×	2	2
49	RIDGEWOOD WATER	Ridgewood, NJ	61,700	7.7×	PFOA 30.6 ppt	7.9×	2	2
50	BELLFLOWER MUNICIPAL WATER SYSTEM	Rosemead, CA	6,032	7.6×	PFOS 30.5 ppt	8.2×	2	4

THE WORST 100 SYSTEMS, CONTINUED

Ranks 51–100

Same measure and rules as the previous page. Ranks 100 and 101 tie at 5.7×; the tie is broken by the highest single result. Full values for all 100, for every flagged system, and for the alternative orderings are in PFAS_UCMR5_Worst100_Systems_20261018.xlsx and system_ranking_20261018.csv.

#	WATER SYSTEM	CITY, STATE	PEOPLE SERVED	WORST ENTRY - POINT AVERAGE (× LIMIT)	MEASURE SETTING IT (AVERAGE)	HIGHEST SINGLE (×) ≥ LIMIT	SPECIES	SAM - PLES
51	SAUKVILLE WATERWORKS	Saukville, WI	4,268	7.6×	PFOS 30.5 ppt	7.8×	2	2
52	NORTH BAY VILLAGE, CITY OF	North Bay Village, FL	8,317	7.6×	PFOS 30.5 ppt	10.8×	2	2
53	PEOPLES WATER SERVICE COMPANY	Warrington, FL	24,806	7.5×	PFOS 30 ppt	7.8×	3	2
54	PARKERSBURG UTILITY BOARD	Palestine, WV	34,251	7.3×	PFOA 29.1 ppt	11.6×	1	2
55	BAL HARBOUR VILLAGE	Bal Harbour, FL	3,209	7.3×	PFOS 29.1 ppt	10.5×	2	2
56	ELKO CITY OF	Elko, NV	23,000	7.3×	PFOS 29 ppt	11.5×	3	2
57	PEMBROKE PINES, CITY OF	Pembroke Pines, FL	187,459	7.3×	PFOS 29 ppt	8.7×	2	2
58	HO HO KUS WATER DEPT	Hohokus Boro, NJ	4,060	7.2×	PFOA 29 ppt	7.6×	3	2
59	LAFAYETTE	Lafayette, GA	18,177	7.1×	PFOS 28.5 ppt	14.0×	2	4
60	PICO RIVERA - CITY, WATER DEPT.	Pico Rivera, CA	39,451	7.1×	PFOS 28.5 ppt	7.5×	2	2
61	GONZALEZ UTILITIES ASSOCIATION, INC.	Cantonment, FL	6,668	7.0×	PFOA 28.1 ppt	9.8×	2	2
62	GREENSBORO, CITY OF	Greensboro, NC	319,588	6.8×	PFOS 27.4 ppt	8.9×	2	4
63	RIVIERA BEACH UTILITY DISTRICT, CITY OF	Riviera Beach, FL	46,762	6.8×	PFOS 27 ppt	7.8×	2	2
64	BROOKWOOD COMM WTR SYSTEM	Cary, NC	15,380	6.7×	PFOA 26.7 ppt	8.3×	3	2
65	MOORE CREEK MOUNT CARMEL UTILITIES	Jay, FL	4,875	6.6×	PFOS 26.2 ppt	7.6×	2	2
66	WILLIAMSTOWN WATER DEPT	Williamstown, WV	3,469	6.5×	PFOA 26.1 ppt	8.0×	2	2
67	ROBESON COUNTY WATER SYSTEM	Lumberton, NC	67,970	6.5×	PFOA 26 ppt	7.5×	3	2
68	BCWWS 2A	Pompano Beach, FL	54,622	6.5×	PFOS 26 ppt	7.1×	2	2
69	HOMESTEAD, CITY OF	Homestead, FL	80,000	6.5×	PFOS 26 ppt	6.5×	1	2
70	AIBONITO LA PLATA	Aibonito, PR	16,354	6.4×	PFOS 25.6 ppt	11.7×	1	2
71	HIALEAH, CITY OF	Hialeah, FL	238,000	6.4×	PFOS 25.6 ppt	6.9×	2	2
72	GARDEN CITY WATER AND SEWER SYSTEM	Garden City, ID	12,500	6.4×	PFOS 25.5 ppt	7.1×	2	2
73	PICO WD	Pico Rivera, CA	22,051	6.4×	PFOS 25.5 ppt	7.0×	2	2
74	COCONUT CREEK, CITY OF	Coconut Creek, FL	54,000	6.4×	PFOS 25.5 ppt	6.8×	2	2
75	DARTMOUTH WATER DIVISION	Dartmouth, MA	24,696	6.3×	PFOS 25.3 ppt	12.7×	1	2
76	PONCE URBANO	Ponce, PR	113,972	6.3×	PFOS 25.3 ppt	6.4×	2	2
77	CITY OF ABILENE	Abilene, TX	130,501	6.3×	PFOS 25.3 ppt	7.5×	3	4
78	GREENWOOD CPW (2410001)	Greenwood, SC	52,022	6.3×	Hazard Index 6.3	9.1×	3	4
79	NTNC KINGS ISLAND PWS	Kings Island, OH	31,753	6.3×	PFOS 25.1 ppt	7.2×	1	2
80	PRAIRIE DU CHIEN WATERWORKS	Prairie Du Chien, WI	6,005	6.3×	PFOS 25 ppt	9.8×	1	2
81	NORWALK - CITY, WATER DEPT.	Norwalk, CA	20,283	6.3×	PFOS 25 ppt	6.5×	2	2
82	CITY OF MARGATE	Margate, FL	62,254	6.2×	PFOS 25 ppt	6.9×	2	2
83	FORT CAMPBELL WATER SYSTEM	Ft. Campbell, TN	43,270	6.2×	PFOS 24.8 ppt	6.8×	3	4
84	MAYWOOD MUTUAL WATER CO. #3	Maywood, CA	6,059	6.2×	PFOS 24.8 ppt	6.6×	2	2
85	BCWWS 3A	Pompano Beach, FL	16,046	6.2×	PFOS 24.6 ppt	6.8×	2	2
86	BOYNTON BEACH PWS	Boynton Beach, FL	112,000	6.1×	PFOS 24.5 ppt	6.5×	2	2
87	EMERALD COAST UTILITIES AUTHORITY (ECUA)	Pensacola, FL	242,172	6.0×	PFOS 24.2 ppt	8.9×	4	2
88	TRENTON WATER SYSTEM	Trenton, TN	5,155	6.0×	PFOS 24 ppt	6.8×	1	2
89	SOUTH GATE - CITY, WATER DEPT.	South Gate, CA	88,544	6.0×	PFOS 24 ppt	6.5×	2	2
90	CITY OF PLEASANTON	Pleasanton, CA	76,689	6.0×	PFOS 24 ppt	6.5×	3	2
91	UNIVERSITY OF SOUTH FLORIDA	Tampa, FL	47,586	6.0×	PFOS 24 ppt	6.3×	3	2
92	NTNC BEAR TAVERN SCHOOL	Pennington, NJ	555	6.0×	PFOS 23.8 ppt	9.5×	2	2
93	GADSDEN, THE WWSB OF THE CITY OF	Gadsden, AL	44,637	5.9×	PFOA 23.5 ppt	8.1×	2	4
94	ZEPHYRHILLS CITY OF	Zephyrhills, FL	29,117	5.9×	PFOS 23.4 ppt	6.5×	3	2
95	BEALETON REGIONAL	Warrenton, VA	4,250	5.8×	PFOA 23.1 ppt	11.2×	2	4
96	SHELBY COUNTY COMMISSION - WATER SERVICES	Sterrett, AL	40,101	5.8×	PFOA 23 ppt	6.9×	2	4
97	TRACT 180 MUTUAL WATER CO.	Cudahy, CA	14,000	5.8×	PFOS 23 ppt	6.0×	2	2
98	NTNC RANCHO LOS AMIGOS HOSPITAL	Alhambra, CA	3,200	5.7×	PFOS 22.8 ppt	6.6×	2	2
99	LA HABRA HEIGHTS CWD	La Habra Heights, CA	5,682	5.7×	PFOS 22.8 ppt	5.8×	2	2
100	NEWARK WATER DEPARTMENT	Newark, DE	40,000	5.7×	PFOA 22.7 ppt	6.3×	2	2

Where the 100 systems are

The 100 systems are in 26 states and territories. Florida (29) and California (18) account for 47 of them; together the 100 serve 7.2 million people. Counts also reflect how many systems each state had monitored, so the share column gives the count as a percentage of the state's monitored systems. Neither column explains why results were high.

STATE / TERRITORY	EPA REGION	SYSTEMS IN THE TOP 100	PEOPLE SERVED BY THEM	MONITORED SYSTEMS IN THE STATE	SHARE OF THE STATE'S MONITORED SYSTEMS	HIGHEST - RANKED SYSTEM
Florida	4	29	4.0 M	409	7.1%	#7 ORANGEWOOD WATER SYSTEM
California	9	18	1.2 M	729	2.5%	#2 POTRERO ELEMENTARY SCHOOL
North Carolina	4	5	425,553	292	1.7%	#1 NASHVILLE, TOWN OF
New Jersey	2	5	107,347	266	1.9%	#25 VERONA WATER DEPARTMENT
Alabama	4	4	105,936	308	1.3%	#33 IRONDALE WATER SYSTEM
Massachusetts	1	4	89,053	263	1.5%	#17 RAYNHAM CENTER WATER DISTRICT
Pennsylvania	3	4	33,445	390	1.0%	#4 EMMAUS BOROUGH PUBLIC WATER
Arizona	9	3	200,642	180	1.7%	#11 TEMPE CITY OF
Tennessee	4	3	78,996	277	1.1%	#44 SAVANNAH VALLEY U.D.
West Virginia	3	3	49,444	103	2.9%	#6 LUBECK PSD
New York	2	3	1,032	336	0.9%	#5 YESHIVA FARM SETTLEMENT
Georgia	4	2	222,177	256	0.8%	#24 AUGUSTA - RICHMOND CO WS
Puerto Rico	2	2	130,326	99	2.0%	#70 AIBONITO LA PLATA
South Carolina	4	2	57,672	165	1.2%	#42 ABBEVILLE CITY OF (SC0110001)
Wisconsin	5	2	10,273	206	1.0%	#51 SAUKVILLE WATERWORKS
Guam	9	1	139,207	5	20.0%	#8 GWA NORTHERN WATER SYSTEM
Texas	6	1	130,501	1,155	0.1%	#77 CITY OF ABILENE
Delaware	3	1	40,000	36	2.8%	#100 NEWARK WATER DEPARTMENT
Washington	10	1	32,428	254	0.4%	#46 MOSES LAKE CITY OF
Ohio	5	1	31,753	347	0.3%	#79 KINGS ISLAND PWS
Mississippi	4	1	28,500	239	0.4%	#15 CITY OF OXFORD
Nevada	9	1	23,000	59	1.7%	#56 ELKO CITY OF
Idaho	10	1	12,500	63	1.6%	#72 GARDEN CITY WATER AND SEWER SYSTEM
Maryland	3	1	6,200	83	1.2%	#20 TOWN OF THURMONT
Alaska	10	1	4,900	30	3.3%	#23 BARROW UTILITIES & ELEC. COOP., INC. (...)
Virginia	3	1	4,250	171	0.6%	#95 BEALETON REGIONAL
Total		100	7.2 M			

By EPA region

Systems in the top 100 and the people they serve. Region 4 (Southeast): 46 systems, 4.9 million people.

4 Region 1 89,053	10 Region 2 238,705	10 Region 3 133,339	46 Region 4 4.9 M	3 Region 5 42,026	1 Region 6 130,501	0 Region 7 —	0 Region 8 —	23 Region 9 1.5 M	3 Region 10 49,828
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Held out: 7 systems with a single-sample entry point

These would enter the top 100 only through an entry point sampled once — a single result, not an average — so they are ranked on their complete entry points.

WATER SYSTEM	CITY, STATE	PEOPLE SERVED	SINGLE-SAMPLE ENTRY POINT	WORST COMPLETE AVERAGE	RANK ON COMPLETE ENTRY POINTS
COLLEGEVILLE TRAPPE JOINT PWD	Trappe, PA	8,470	58.8×	4.0×	#191
ARTONDALE	Tacoma, WA	5,828	38.4×	0.0×	#2,097
NEW MARTINSVILLE	New Martinsville, WV	5,272	30.5×	2.0×	#580
Commonwealth Utilities Corp (Saipan)	Saipan, MP	48,524	8.0×	1.2×	#1,041
CITY OF ANAHEIM	Anaheim, CA	350,254	7.3×	4.5×	#152
NORTH LAUDERDALE, CITY OF	North Lauderdale, FL	35,709	7.3×	0.0×	#2,277
DELRAY BEACH PUBLIC WATER SYSTEM	Delray Beach, FL	69,754	7.2×	0.0×	#2,278

Methods and limits of the data

DATA

EPA UCMR 5 occurrence data (UCMR5_All.txt; samples January 3, 2023 – June 17, 2026; EPA data summary dated July 2026): 66,439 distinct samples containing at least one of PFOA, PFOS, PFHxS, PFNA, HFPO-DA or PFBS, from 10,313 systems. System inventory and population served: EPA SDWIS via ECHO SDWA downloads, 2026 Q3. Listed systems are active community water systems (49,396) and non-transient non-community systems (17,061), plus UCMR 5 and EPA-regulated tribal systems.

WHAT COUNTS AS "AT OR ABOVE A LIMIT"

A sample is one collection date at one facility and sample point in one sample event. Non-detects (below the UCMR 5 minimum reporting level) are treated as 0. **Highest single result:** the maximum over a system's samples. **Worst entry-point average:** the mean of each entry point's samples, then the maximum over entry points. The Hazard Index is computed per sample ($\text{HFPO-DA}/10 + \text{PFHxS}/10 + \text{PFNA}/10 + \text{PFBS}/2000$). A system is at or above a limit when the value is greater than or equal to the 2024 MCL. These are the same rules used to color the Project Abacus maps (projectabacus.org).

THIS IS A SCREENING COMPARISON, NOT A VIOLATION COUNT

UCMR 5 is occurrence monitoring at entry points (water leaving treatment), not tap water and not compliance monitoring. Compliance with the 2024 rule is based on running annual averages from compliance monitoring beginning in 2029. A system counted here may have since changed treatment or sources. On May 18, 2026 EPA announced proposals to rescind the PFHxS, PFNA, HFPO-DA and Hazard Index limits and to allow PFOA/PFOS extensions to 2031; no final rule had been found as of October 18, 2026.

POPULATION

Population is what each system reports to SDWIS as served. When any one entry point is at or above a limit, the system's whole population is counted, so for systems with several entry points this is an upper bound on the people receiving that water. Systems that buy water from a monitored system are counted only if they were monitored themselves; wholesalers that report their buyers' population may be partly double-counted. Non-transient non-community populations (schools, workplaces) are not residents. These are people served, not measured exposures.

COVERAGE AND UNCERTAINTY

UCMR 5 required monitoring by every system serving more than 3,300 people and by a representative sample of smaller systems chosen by EPA. Unmonitored systems (56,144, serving 34.0 million people) are reported as unmonitored; nothing here is extrapolated to them. The counts are complete enumerations of the monitored systems in the data, so they carry no sampling error and no confidence intervals are shown; they are subject to the measurement and reporting uncertainty of the underlying laboratory results.

QUALITY CHECKS (ALL PASSED)

- Per-system flags reproduce the map levels stored by the state builds (02_system_map_metrics): 1,763 and 1,198 systems, exactly.
- One species + two or more species + Hazard-Index-only = all systems at or above a limit, on both bases.
- EPA-region and state totals add back to the national totals; severity bands and species combinations add back to their totals.
- Each system counted once; three tribal systems listed in two state builds deduplicated.
- EPA's own method, re-run on the same data, reproduces every Table 5 count in EPA's Data Summary and every Table 4 count the public data allow (page 6).
- The ranking's per-system averages and highest results reproduce the values behind the maps; the state tally adds back to 100.
- Every figure in this document is regenerated from the output files by a script that asserts these checks before writing.

REPRODUCE

```
cd scripts
python3 national/aggregate_stats.py
python3 national/epa_comparison.py 20261018
python3 national/rank_systems.py 20261018
python3 national/aggregate_infographic.py 20261018
```

Outputs in outputs/_national/: aggregate_statistics_*, aggregate_system_exceedances_* (one row per monitored system), epa_comparison_* (system-by-system reconciliation with EPA's method) and system_ranking_* (pages 8–10), all dated 20261018. Statistics built 2026-10-18T05:22Z.

SOURCES

- U.S. EPA, Fifth Unregulated Contaminant Monitoring Rule (UCMR 5) occurrence data. epa.gov/dwucmr
- U.S. EPA, The Fifth Unregulated Contaminant Monitoring Rule (UCMR 5) Data Summary: July 2026, EPA 815-S-26-007 (Tables 4 and 5).
- U.S. EPA, PFAS National Primary Drinking Water Regulation, 89 Fed. Reg. 32532 (April 26, 2024).
- U.S. EPA, proposed rescission of PFHxS, PFNA, HFPO-DA and Hazard Index MCLs and PFOA/PFOS compliance extensions, announced May 18, 2026, published May 20, 2026 (summarized by Jones Day, May 2026).
- U.S. EPA, Safe Drinking Water Information System (SDWIS) via ECHO SDWA data downloads, 2026 Q3.