



Community Update

NE West Plains PFAS Sampling

5/21/24

Agenda

Proposed shared group agreements:

- ✓ Take space, make space.
- ✓ Address the idea, not the person.
- ✓ Practice self-care.



What are PFAS?



Project summary



How to interpret your sampling results

Pause for questions



Next steps



Questions & Answers

What are PFAS?

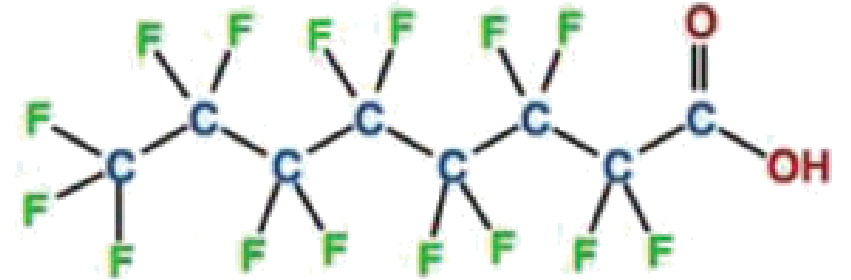
PFAS = **P**er- and poly**F**luoro**A**lky**S**ubstances

Over 12,000+ human-made chemicals

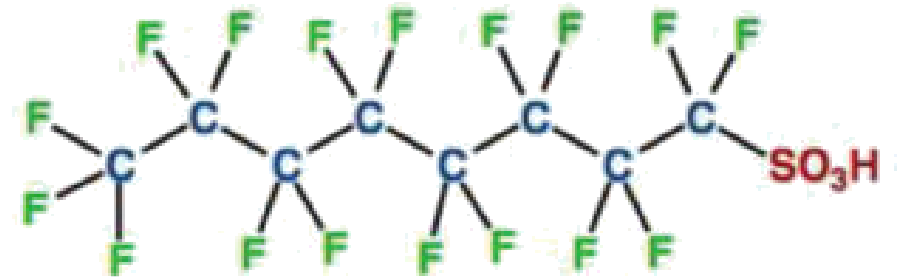
Used in a lot of products

- Non-stick cookware
- Water-proof apparel
- Fast food wrappers
- Firefighting foam (AFFF)

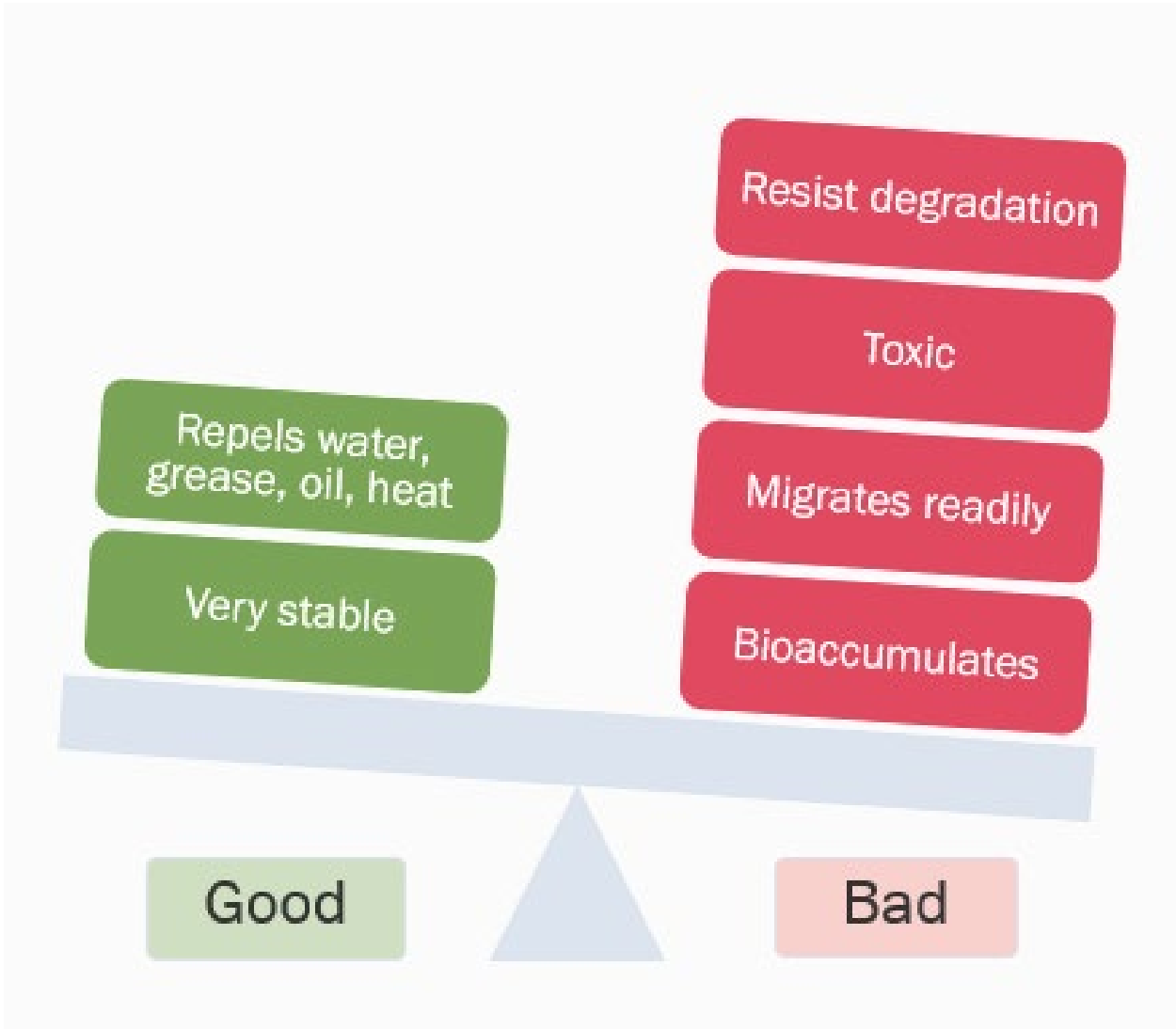
PFOA and PFOS most common



PFOA - perfluorooctanoic acid



PFOS - perfluorooctanesulfonic acid

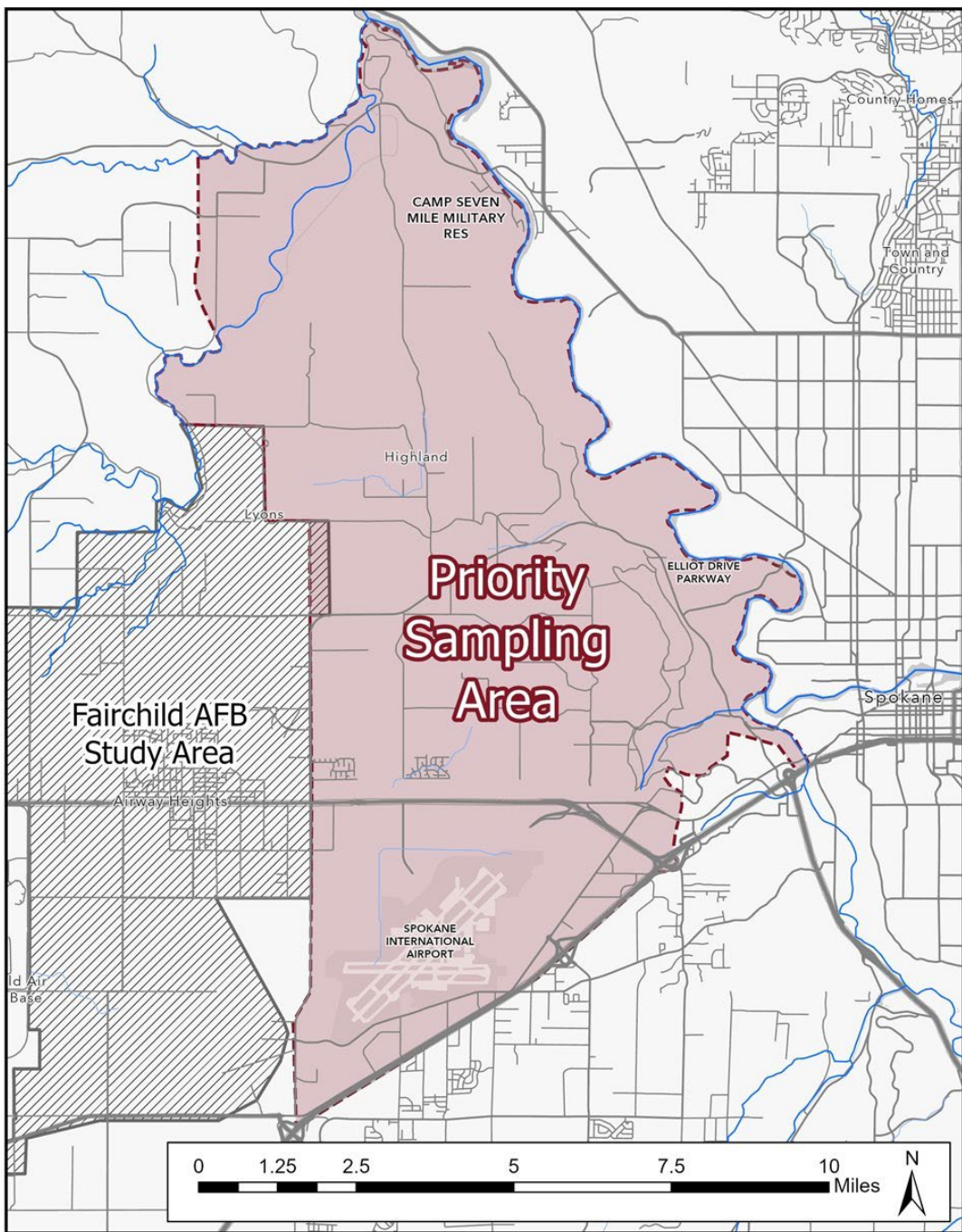


Issues with PFAS

Health effects

- Cancer (prostate, kidney, testicular)
- Reproductive effects
- Developmental effects/ delays in children
- Reduced immune and vaccine response
- Hormonal interference

Vulnerable populations



Photos from March 2024 NE West Plains Sampling Effort
 Photo Source: U.S. EPA

Sample result type	Number of locations	Percent of locations
Wells that don't have PFAS	91	30%
Wells with PFAS below drinking water standards	44	14%
Wells with PFAS above drinking water standards	172	56%
Total	307	100%

Summary of PFAS Levels by Quarter Section

Results from March 2024 West Plains Sampling Event

- No PFAS found
- PFAS found below drinking water standards
- At least one PFAS compound found at levels 1 to 5 times the drinking water standard
- At least one PFAS compound found at levels 5 to 10 times the drinking water standard
- At least one PFAS compound found at levels 10 to 20 times the drinking water standard
- At least one PFAS compound found at levels more than 20 times the drinking water standard

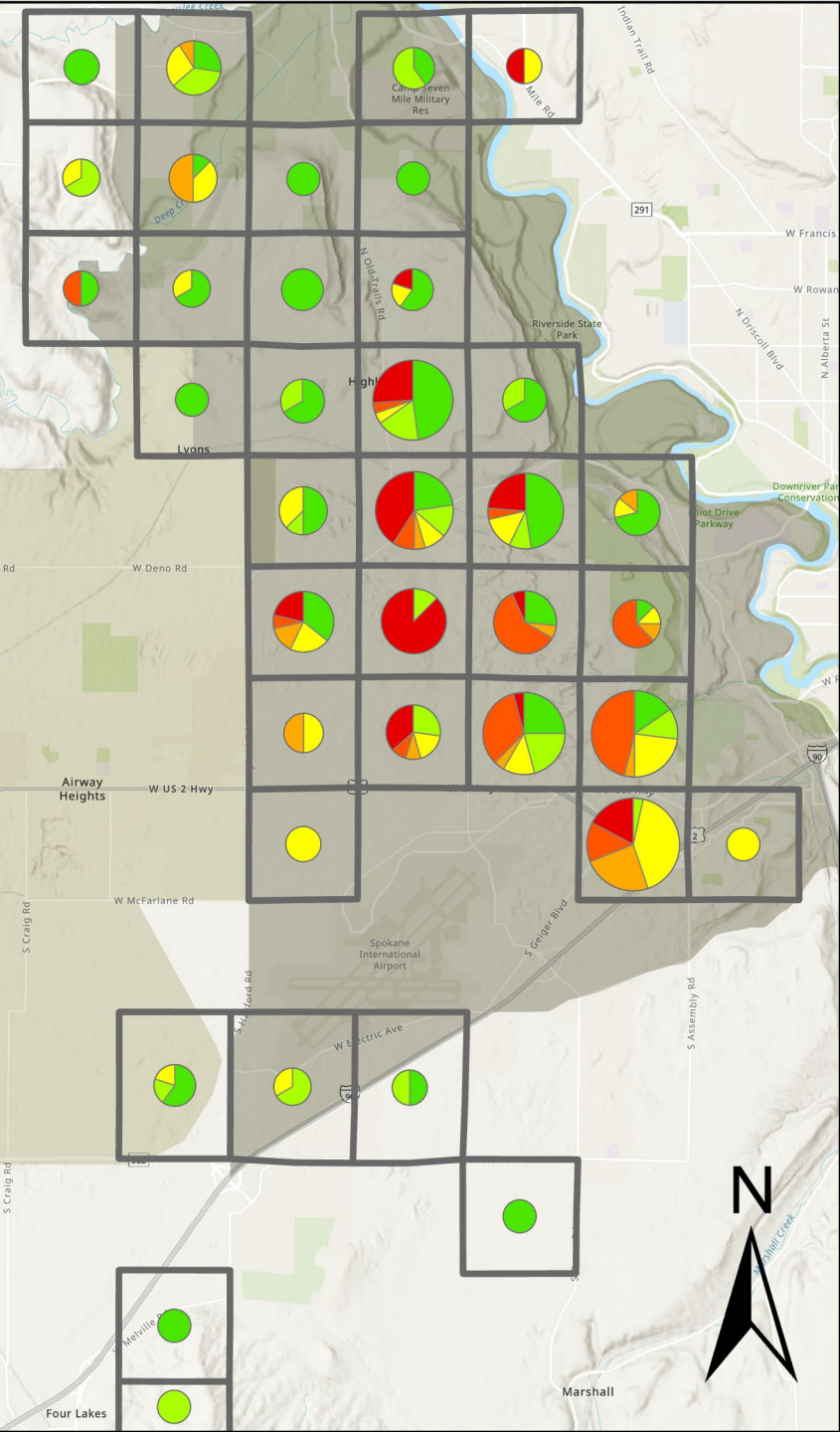
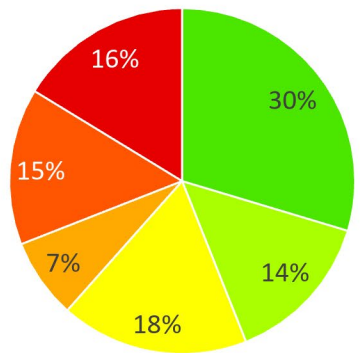
Number of Samples Collected



Map Shading

- EPA Sampling Area
- Fairchild AFB Study Area

PFAS Levels in 307 Wells Sampled



2024 Northeast West Plains Drinking Water Sample Results Table

Station ID: [REDACTED]

Reported State Well ID: [REDACTED]

Sample Number: [REDACTED]

Reported Well Depth: [REDACTED]

Sample Date: [REDACTED]

Well Address: [REDACTED]

Sample Media: Drinking Water

Well Latitude, Longitude: [REDACTED]

Sample Analysis: EPA Method 533: Determination of PFAS Substances in Drinking Water

Analyte	Abbreviation	CAS	Site-Specific Action Level	Your Sample Results
Perfluorooctanesulfonic acid	PFOS	1763-23-1	4 ^a	190
Perfluorooctanoic acid	PFOA	335-67-1	4 ^a	29
Perfluorononanoic acid	PFNA	375-95-1	9 ^b	2.8
Perfluorohexanesulfonic acid	PFHxS	355-46-4	10 ^a	160
Perfluorobutanesulfonic acid	PFBS	375-73-5	345 ^b	14
Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6	10 ^a	1.8 U
Perfluoroundecanoic acid	PFUnA	2058-94-8	--	1.8 U
Perfluoropentanesulfonic acid	PFPeS	2706-91-4	--	15

How it looks*	What it means
7.4	Sample was ABOVE the drinking water standard.
3.2	PFAS compound was found in the sample, but it is below the drinking water standard.
1.7 U	PFAS was not found (non-detect).

*Numeric values are examples. The cell formatting and “U” show how to interpret your results.

Please share your results with Ecology

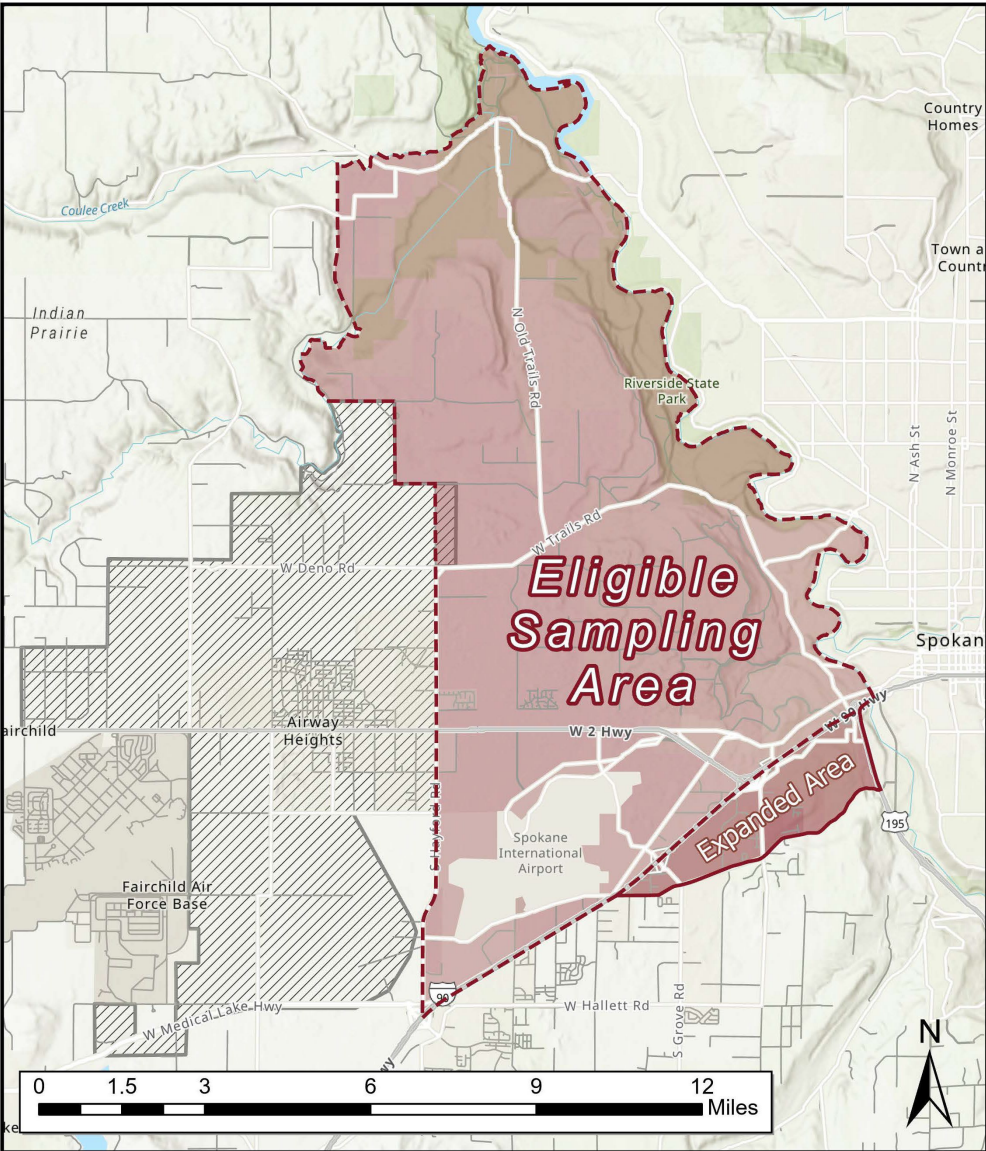
- ✓ Provide safe water to people with PFAS above drinking water standards.
- ✓ Map the area of known contamination and share this resource.
- ✓ Help define additional source areas.

Drinking Water Sampling: Round 2

Request Form opens **tomorrow (May 22)** until we receive 125 eligible sample requests *or* June 18 (whichever comes first).

This is the last sampling event.

Sampling to begin June 11.



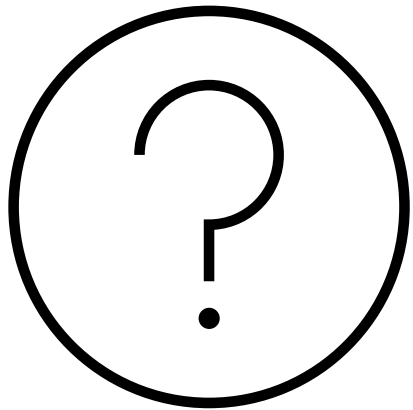
2024 Northeast West Plains Follow-up Sampling
West Plains Spokane County, WA
May 2024

■ Eligible Sampling Area
▨ Approximate Fairchild AFB Study Area

Virtual Community Meeting

Thursday, June 6 | 6:30 pm





Questions?

Known Common Concerns

