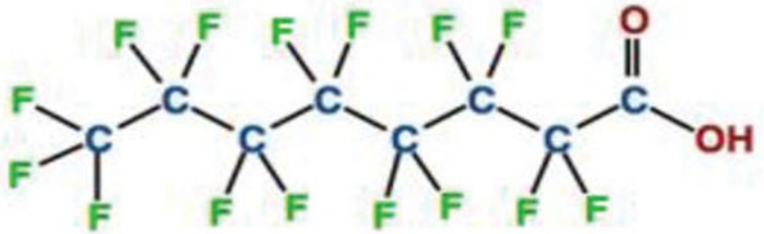
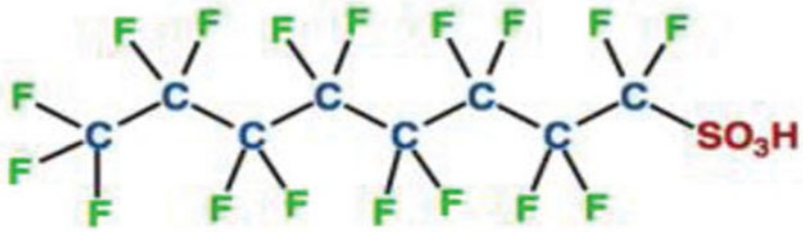


# 2025-2028 DEQ PFAS Strategic Plan



PFOA - perfluorooctanoic acid



PFOS - perfluorooctanesulfonic acid

Image source: <http://charlestonwaterkeeper.org/watershed-facts/toxic-pollutants>

**Presented by: Latonya Jackson**

On behalf of the Cross-Agency PFAS Strategic  
Planning Work Group

Oregon Department of  
Environmental Quality  
Strategic Plan for Per-  
and Poly-fluoroalkyl  
Substances (PFAS) 2025



# 2025 PFAS Strategic Plan Overview

## DEQ-Wide Plan

## Funded by EPA Grant

- Columbia River Basin Toxics Reduction Lead Grant (# 44-02J54901-0)
- PFAS Strategic Plan Development
- Action Implementation

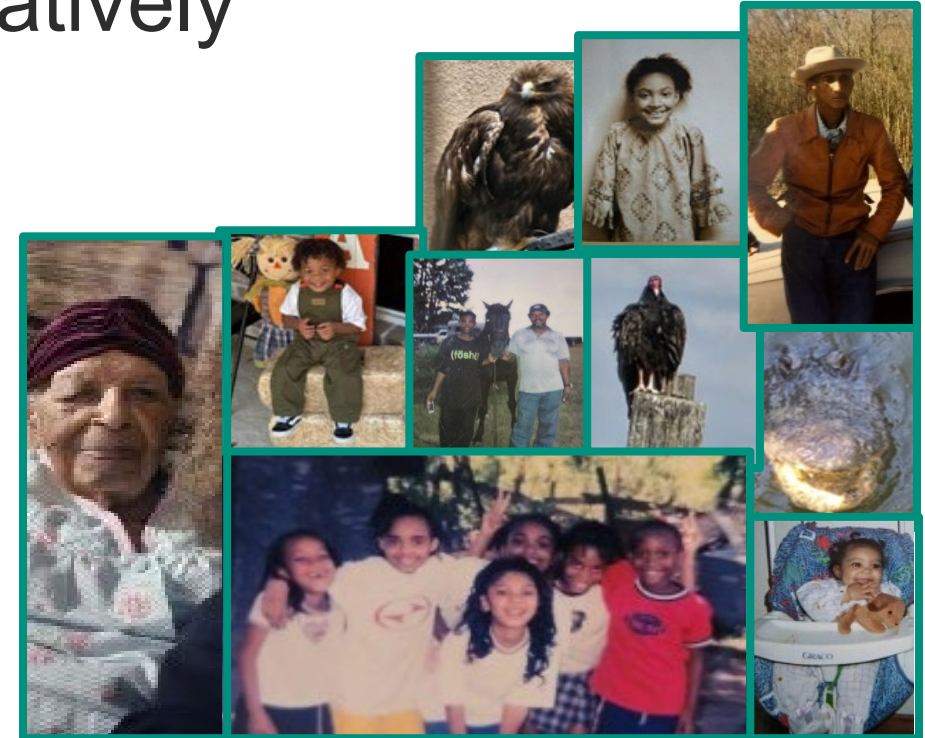
## Publication





# 2025 PFAS Strategic Plan Vision

- Work quickly, efficiently, and collaboratively
- Protect Oregonians
- Protect communities and ecological populations



# DEQ's Commitment

- Understanding of PFAS exposures and risks
- Manage PFAS effectively





# 2025 PFAS Strategic Plan Objective

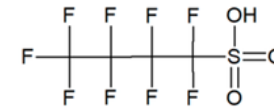
- Overarching framework
- Broader public work



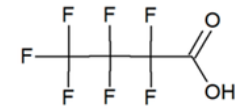
# PFAS...what exactly is it?

## PFAS or per- and polyfluoroalkyl substances

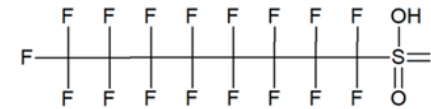
- Synthetic fluorinated organic chemicals
- “Forever chemicals”
- Can transition to other PFAS compounds
- Toxic
- Widely used since the 1930s
- Found in land, water, air, wildlife, and other media globally



PFBS



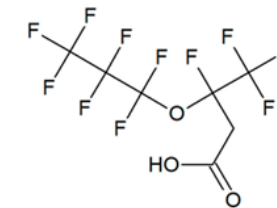
PFBA



PFOS



PFOA

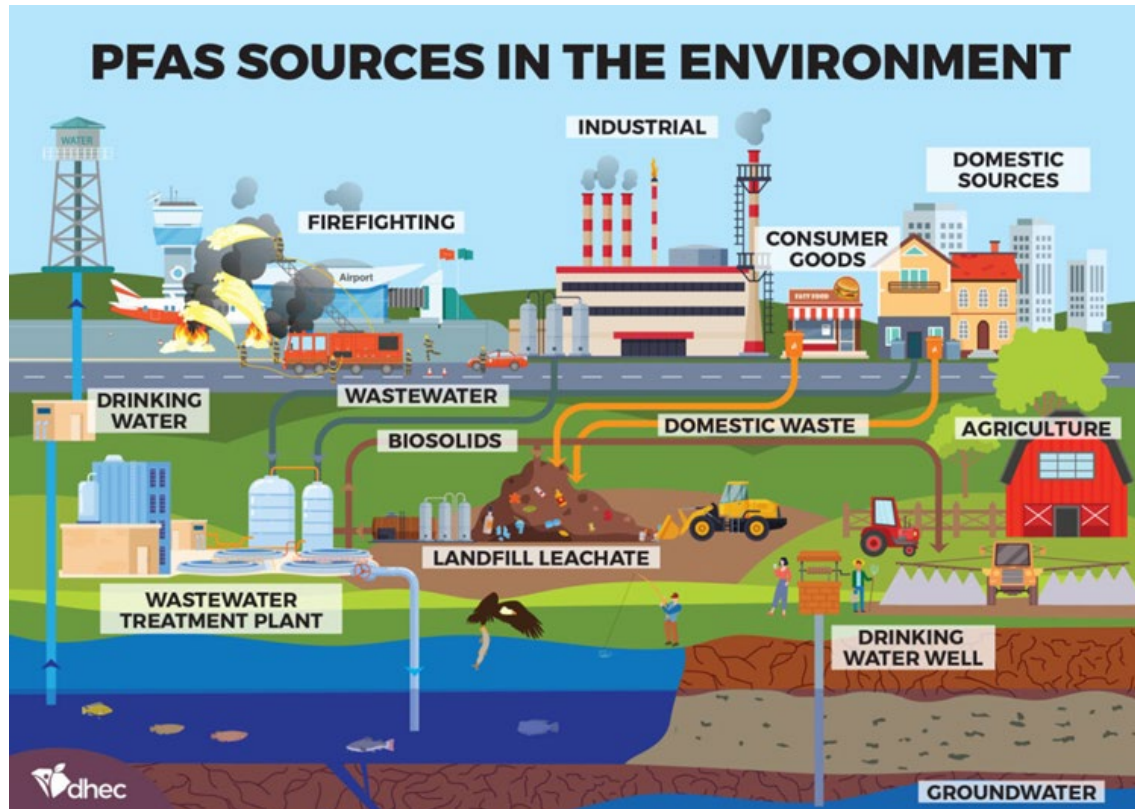


GenX

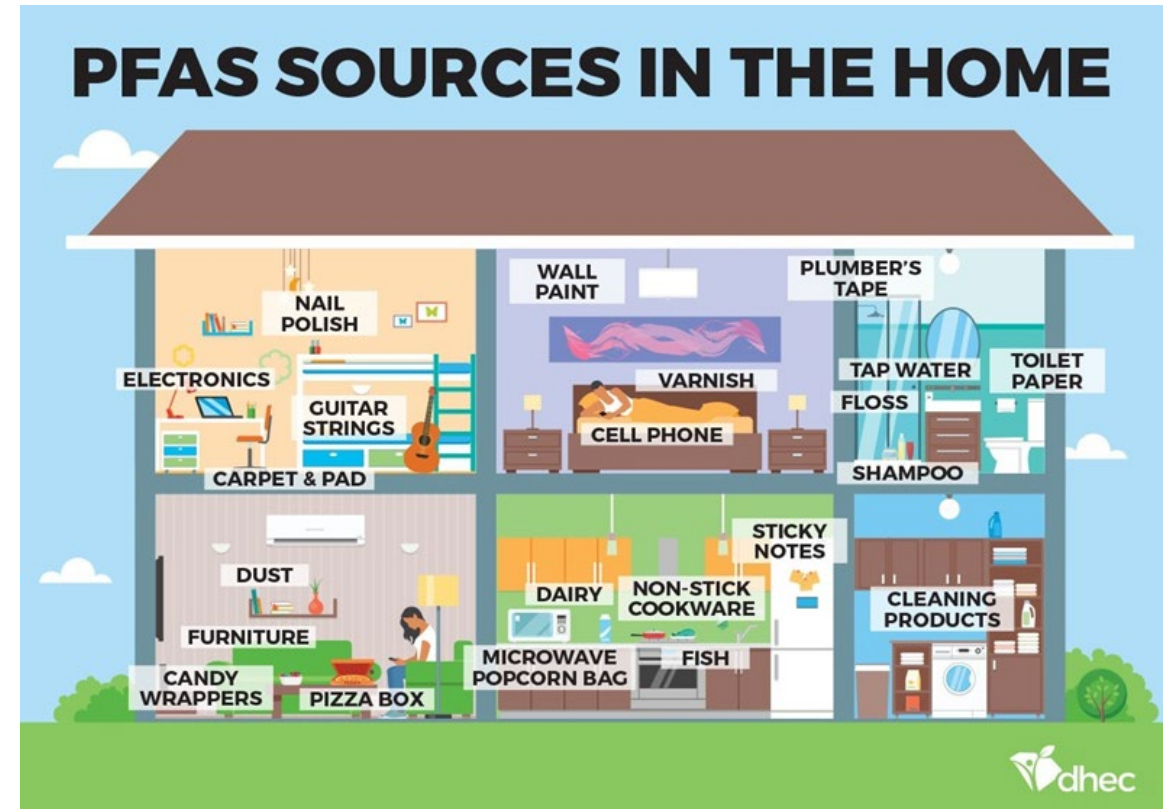
Image Source: [https://www.researchgate.net/publication/342207209\\_Per\\_and\\_Polyfluoroalkyl\\_Substances\\_PFAS\\_Neurotoxicity\\_in\\_Sentinel\\_and\\_Non-Traditional\\_Laboratory\\_Model\\_Systems\\_Potential\\_Utility\\_in\\_Predicting\\_Adverse\\_Outcomes\\_in\\_Human\\_Health](https://www.researchgate.net/publication/342207209_Per_and_Polyfluoroalkyl_Substances_PFAS_Neurotoxicity_in_Sentinel_and_Non-Traditional_Laboratory_Model_Systems_Potential_Utility_in_Predicting_Adverse_Outcomes_in_Human_Health)



# PFAS Sources



Source: [https://www.des.sc.gov/sites/des/files/2024-09/OR-2435.jpg-2435\\_home.jpg](https://www.des.sc.gov/sites/des/files/2024-09/OR-2435.jpg-2435_home.jpg)



Source: [https://www.des.sc.gov/sites/des/files/2024-09/OR-2435.jpg-2435\\_home.jpg](https://www.des.sc.gov/sites/des/files/2024-09/OR-2435.jpg-2435_home.jpg)

# EPA's PFAS Actions

## (2006-2016)

- Developed [EPA Method 537](#)
- Released 1<sup>st</sup> [Drinking Water Health Advisories for PFOS/PFOA](#)

## (2021-2023)

- Released [Strategic Roadmap for PFAS Actions](#)
- Published final [Fifth Unregulated Contaminant Monitoring Rule \(UCMR 5\)](#)

## (2024)

- Issued first national [Drinking Water Standards for PFAS](#)
- Finalized [CERCLA Hazardous Substances Designation for PFOA/PFOS](#)
- Released three new methods for measuring PFAS across environmental media
- Added sixteen additional PFAS to [Toxics Release Inventory](#) reporting requirements

### EPA's Commitments to Action 2021–2024





# DEQ's Actions

Action Category	Actions Taken
Laboratory Capacity	<ul style="list-style-type: none"><li>- Invested in PFAS analytical capabilities</li><li>- Purchased instrumentation for EPA 533 method</li><li>- Obtained EPA certification for 25 PFAS compounds</li></ul>
Cleanup and Remediation	<ul style="list-style-type: none"><li>- Rulemaking for PFAS as hazardous substances</li><li>- Voluntary investigations at airports/military sites</li><li>- Developing site prioritization framework</li></ul>
Legislative Actions	<ul style="list-style-type: none"><li>- SB543 (2023) prohibits use of polystyrene foam container</li><li>- <u>SB91</u> (2025) prohibits use of firefighting foams containing PFAS</li><li>- <u>Toxics Free Kids/Cosmetics</u> Acts support</li></ul>
Interagency Coordination	<ul style="list-style-type: none"><li>- Regular PFAS workgroup meetings</li><li>- Fish tissue monitoring coordination</li><li>- Source water protection support</li><li>- Drinking water monitoring conducted in conjunction with and at the request of the Oregon Health Authority</li><li>- Sampled Public Drinking Water Systems (PWSs)</li><li>- Partnered with OHA on small system sampling</li></ul>
Public Engagement	<ul style="list-style-type: none"><li>- Responding to public inquiries</li><li>- Supporting community water protection</li></ul>

# DEQ's Four Primary Focus Goals

## Reduce

Reduce PFAS Sources to the Environment through Consumer, Industrial, and Commercial Products

## Manage

Manage Releases and Emissions of PFAS to the Environment

## Research

Research and Gather Scientific Data on PFAS for Decision Making

## Engage

Engage and Collaborate with Internal and External Parties



# Focus Goal 1

## Reduce PFAS sources to the environment through consumer, industrial, and commercial products

### Actions to achieve goal:

1. Leverage and build on existing state and federal actions
2. Expand and promote



# Focus Goal 2

## Manage releases and emissions of PFAS to the environment

### Actions to achieve goal:

1. Utilize agency regulatory authority
2. Manage and mitigate
3. Safe and proper waste management





# Focus Goal 3

## Research and gather scientific data on PFAS for decision making

### Actions to achieve goal:

1. Implement targeted and non-targeted analytical methods
2. Develop and maintain monitoring activities
3. Gather, maintain, and display data relating to PFAS in Oregon's environment



# Focus Goal 4

## Engage and collaborate with internal and external parties

### Actions to achieve goal:

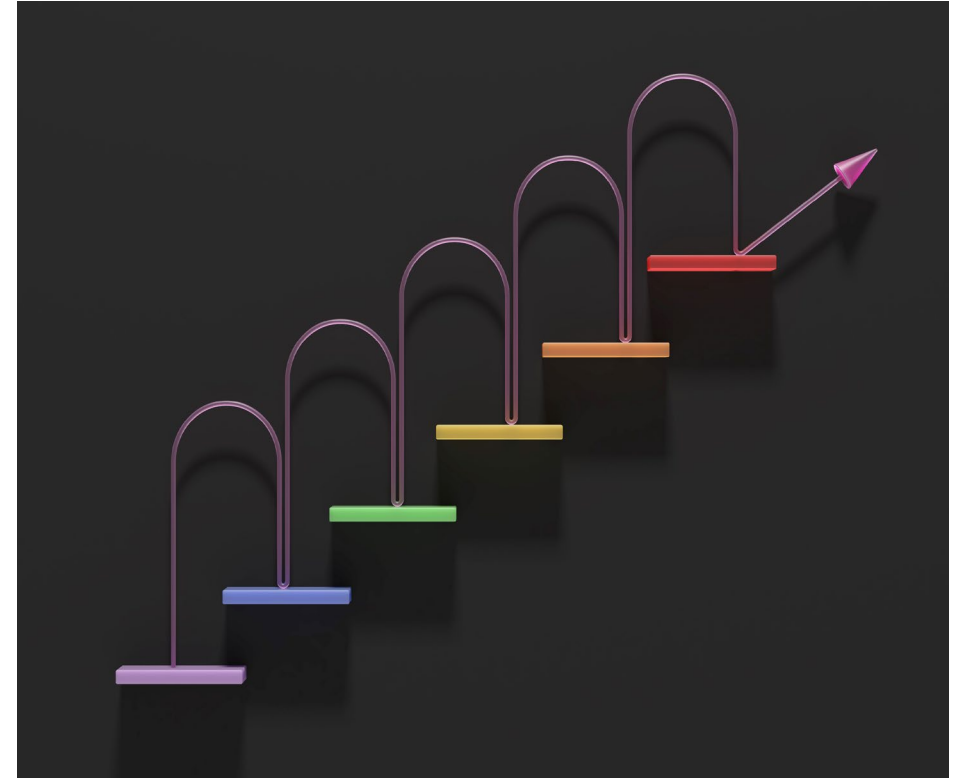
1. Engage federal partners
2. Coordinate across DEQ programs
3. Leverage resources, information and expertise across stakeholders





# Next Steps

- Finalize and publish the plan
- Implementing projects
- EPA reports
- Plan evaluation and amendment
- Publishing reports



# Implementation Projects Underway

## Project 1: Cleanup Program Rulemaking

Add some PFAS as hazardous substances

## Project 2: Biosolids and the Columbia River

*Collaborative study*

**Stakeholders involved:** OSU, ACWA, the state of Oregon, and DEQ

**Study Objective:** Investigate the effects of per- and polyfluoroalkyl substances (PFAS) in land applied biosolids on soil, water, and agricultural crops along the Columbia River Basin





# Acknowledgements

Thank you to the PFAS Strategic Plan Work Group,  
Managers, and Administrators!

This project has been funded wholly or in part by the United States Environmental Protection Agency under assistance agreement # 44-02J54901 to Oregon Department of Environmental Quality. The contents of this document do not necessarily reflect the views and policies of the Environmental Protection Agency, nor does the Environmental Protection Agency endorse trade names or recommend the use of commercial products mentioned in this document, as well as any images, video, text, or other content created by generative artificial intelligence tools, nor does any such content necessarily reflect the views and policies of the Environmental Protection Agency.

# Questions





# References

- PFAS chemical structures (title slide) <http://charlestonwaterkeeper.org/watershed-facts/toxic-pollutants>
- PFAS chemical structures (slide 6) [https://www.researchgate.net/publication/342207209\\_Perand\\_Polyfluoroalkyl\\_Substances\\_PFAS\\_Neurotoxicity\\_in\\_Sentinel\\_and\\_NonTraditional\\_Laboratory\\_Model\\_Systems\\_Potential\\_Utility\\_in\\_Predicting\\_Adverse\\_Outcomes\\_in\\_Human\\_Health](https://www.researchgate.net/publication/342207209_Perand_Polyfluoroalkyl_Substances_PFAS_Neurotoxicity_in_Sentinel_and_NonTraditional_Laboratory_Model_Systems_Potential_Utility_in_Predicting_Adverse_Outcomes_in_Human_Health)
- [EPA Method 537](#)
- [Drinking Water Health Advisories for PFOS/PFOA](#)
- [Strategic Roadmap for PFAS actions \(2021-2024\)](#)
- [Unregulated Contaminant Monitoring Rule- Fifth UCMR \(UCMR 5\)](#)
- [drinking water standards for PFAS](#)
- [CERCLA hazardous substances designation for PFOA/PFOS](#)
- [Toxics Release Inventory](#)

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