



An Introduction to PFAS Analytic Tools

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EPA's PFAS Strategic Roadmap

- In October 2021, EPA released the PFAS Strategic Roadmap, highlighting concrete actions the Agency will take across a range of environmental media and EPA program offices to protect people and the environment from PFAS contamination.
- The Roadmap is guided by three primary goals:
 - **Research:** Investing in research, development, and innovation to incorporate the best-available science into EPA's work.
 - **Restrict**: Working to proactively prevent PFAS from entering air, land, and water at levels that can adversely impact human health and the environment.
 - **Remediate**: Broadening and accelerating the cleanup of PFAS contamination to protect human health and ecological systems.



PFAS Strategic Roadmap: EPA's Commitments to Action 2021–2024



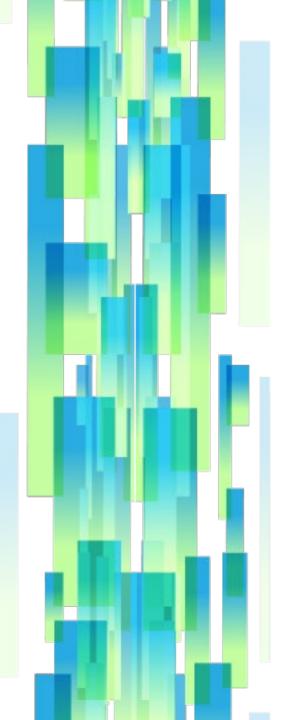
Goals of the PFAS Analytic Tools

- Develop an integrated resource to understand where PFAS detections are being identified across a wide set of databases.
- Compile as much nationally available data on PFAS as possible into an easy-to-use, automatically refreshed tool.
- Develop standard methods to extract PFAS chemical data from national data systems and develop best practices for regulatory partners that would like to contribute information.
- Support EPA investigations into PFAS contamination and further the collaboration with federal/state/local/tribal partners as noted in the <u>EPA PFAS Strategic Roadmap</u> (<u>Link to 2022 Progress Report</u> see p.8).

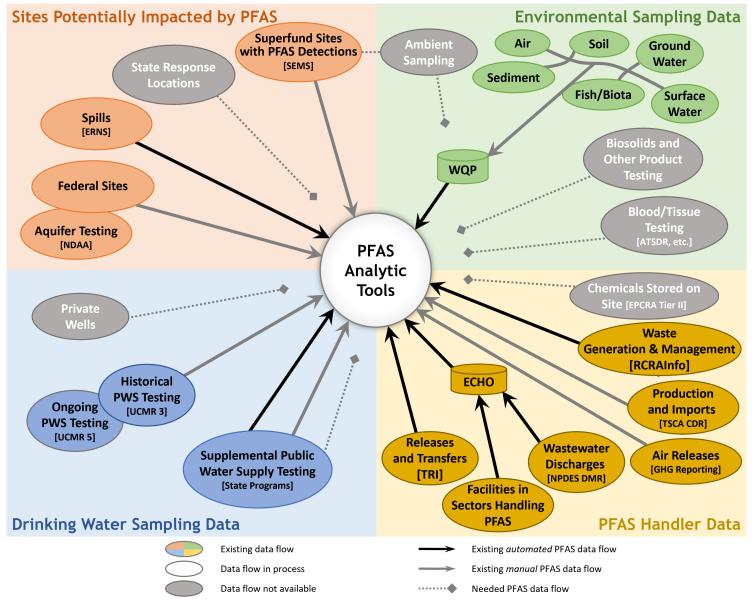
Development History

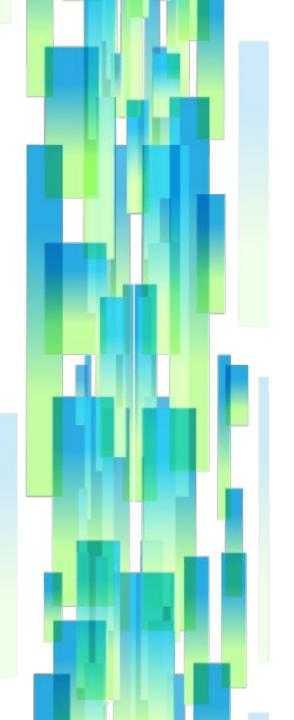
2019 - Version 1.0 released for government-wide use after EPA collaborated with the Environmental Council of the States and 14 participating states. WA, PA, MI, AL, NJ, NH, MN, AZ, CA, ME, OR, VT, AK, MA 2020 – Version 2.0 was released for all federal / state / tribal / local government use.

Presentation to additional State Organizations including Association of other State Organizations (ACWA, ASTSWMO, NACAA, ASDWA) 2022 – EPA released the PFAS Analytic Tools Data Sets (Excel Downloads) within the public-facing ECHO website. 2023 - EPA released the PFAS Analytic Tools to the public.











PFAS Datasets

			Date Data was			Downloads:
Q	Q. Dataset Component	Date Range of Data in Q PFAS Analytic Tools		Next Anticipated Q Extract Date	Q. Source	Discharge Monitoring Date
Orinking Water (UCMR)	UCMR 3	2013 - 2016	4/1/2020	N/A	External Link	Drinking Water (State) Da
Orinking Water (UCMR)	UCMR 5	1/2/2013 - 12/13/2016	-	2023	External Link	
Environmental Media	Water Quality Portal	1/1/1901 - 3/22/2023	5/29/2023	6/5/2023	External Link	Drinking Water (UCMR) Da
Federal Sites	DoD Notifications to Agricultural Operations	3/1/2021 - 3/31/2022	3/31/2022	Upcoming September	External Link	Environmental Media Data
Federal Sites	DOE	Current	4/24/2023	Unknown	External Link	Federal Sites Data
Federal Sites	DOT FAA	Current	10/4/2022	Upcoming April / October	External Link	Industry Sectors Data
Federal Sites	NASA	Current	10/4/2022	Upcoming April / October	External Link	Production Data
Federal Sites	US Department of Defense PFAS Spotlight	12/31/2022	12/31/2022	Upcoming March / September	External Link	Spills Data
Federal Sites	USCG	Current	10/4/2022	Upcoming April / October	External Link	Superfund Sites Data
Federal Sites	USDA	Current	10/4/2022	Upcoming April / October	External Link	TRI Data - On-Site
ndustry Sectors	ЕСНО	Current	5/29/2023	6/5/2023	External Link	TKI butu - OII-Site
industry Sectors	Federal Aviation Adminstration	10/13/2022	10/13/2022	Unknown	External Link	TRI Data - Off-Site
Production	Chemical Data Reporting (CDR) under the Toxic	2011	3/20/2019	N/A	External Link	TRI Data - Waste Managed
	Substance Control Act (TSCA)					Transfers Data

Data Currency Table is available on the PFAS Analytic Tools Homepage. Quick downloads of the data sets are available, next anticipated extraction dates, range of dates for data from each data source are all presented in this table.



Access

Analyze Trends Tab on ECHO home page (echo.epa.gov) under Data Visualization

Direct Link https://echo.epa.gov/trends/pfas-tools

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Analyze Trends



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Data Services



Help



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Analyze Trends

ECHO provides many features to a variety to explore compliance and enforcement data. Use the links below to display trends through dashboards, maps, and charts.

Track Performance

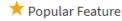
- EPA/State Dashboards
 - Air / Wastewater / Drinking Water
 / Hazardous Waste / Pesticides
- EPA/State Comparative Maps
- · NPDES DMR Non-Receipt Status Search
- State Review Framework (SRF)
- SRF Recommendations
- Archived Tools

Data Visualization

- Data Visualization Gallery *
 - o PFAS Analytic Tools
 - o NPDES eRule Dashboards
 - o Benzene Fenceline Monitoring

Pollution Analysis

Water Pollutant Loading Tool *





\$EPA

🛍 Integrated Map 💧 Drinking Water (UCMR) 💧 Drinking Water (State) 🚨 Production 🗠 Environmental Media 👚 Discharge Monitoring 🗣 Superfund Sites 🏦 Federal Sites 🕍 Industry Sectors

Contact Us

→ Transfers 🏖 Spills 🏙 Toxic Releases









PFAS Analytic Tools Home

Scope of Drinking Water Samples for Public Water Systems (PWSs):

Most Recent Sample at PWS

All Samples at PWS

Filters:

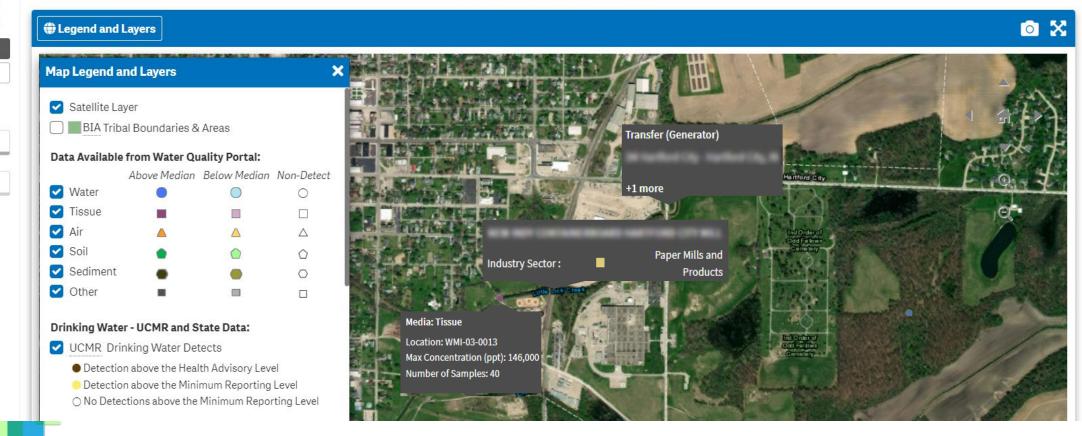
EPA Region

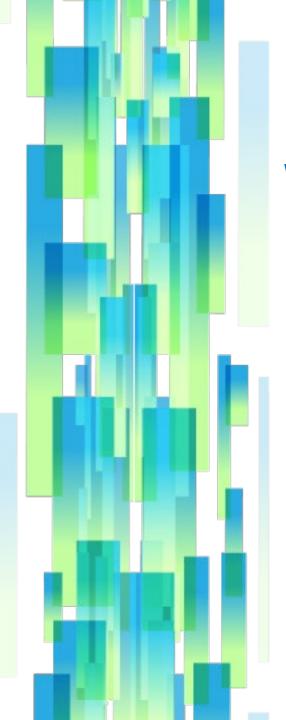
State Territory or Tribe

Include Non-Detects:

PFAS Analytic Tools

✓ More Information







Questions regarding PFAS Analytic Tools?

Where to Find Online Help

- 1) The <u>PFAS Analytic Tools</u> <u>Home Page</u>
- 2) FAQs Page
- 3) <u>Technical Documentation</u>

Other General Questions can be <u>sent here</u>.

For more information on EPA's overall PFAS efforts, visit www.epa.gov/pfas

Data Set Specific Documentation

Data Set	Contact for More Information		
Ambient Environmental Sampling for PFAS (Water Quality Portal)	https://www.waterqualitydata.us/contact_us/		
Drinking Water Testing Unregulated Contaminant Monitoring Reporting (UCMR)	https://www.epa.gov/dwucmr/forms/dwucmr		
Drinking Water Testing (State)	https://echo.epa.gov/resources/general-info/contact- us		
PFAS Manufacture and Imports Toxics Substances Control Act – Chemical Data Reporting (TSCA CDR)	https://www.epa.gov/chemical-data-reporting/forms/contact-us-chemical-data-reporting-under-tsca		
Superfund Sites with PFAS Detections (SEMS)	https://www.epa.gov/superfund/forms/contact-us-about-superfund		
Clean Water Act Discharge Monitoring (ICIS-NPDES)	https://echo.epa.gov/resources/general-info/contact- us		
Federal Sites	https://echo.epa.gov/resources/general-info/contact- us		
Facilities in Industries that May be Handling PFAS Enforcement and Compliance History Online (ECHO)	https://echo.epa.gov/resources/general-info/contact- us		
Waste Transfers – Resource Conservation and Recovery Act (RCRA e-Manifest)	https://www.epa.gov/e-manifest/forms/contact-us-about-hazardous-waste-electronic-manifest-system		
Spills – Emergency Response Notification System (ERNS)	https://nrc.uscg.mil/ContactUs.aspx		
Toxics Release Inventory (TRI)	https://www.epa.gov/toxics-release-inventory-tri- program/forms/tri-program-contacts		

Tool Demonstration