



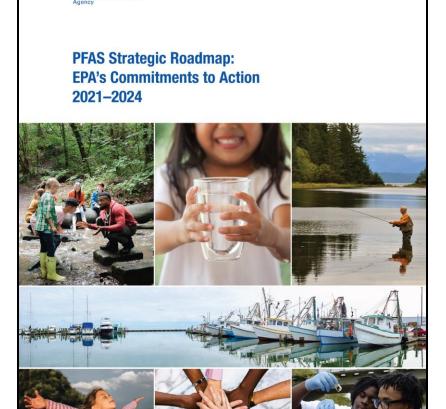
An Introduction to PFAS Analytic Tools

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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.



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

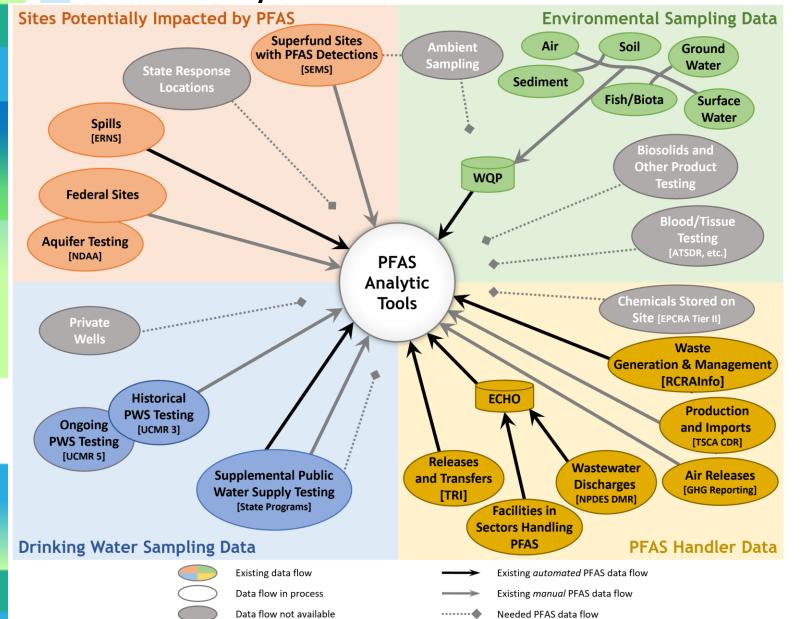
2019 - Version 1.0 released for government-wide use after EPA collaborated with the Environmental Council of the States and 14 participating states. WA, PA, MI, AL, NJ, NH, MN, AZ, CA, ME, OR, VT, AK, MA

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 Analytic Tools Data Model 💝 EPA





PFAS Data Sets Currency Table **EPA**



PFAS Datasets

				Date Data was					Dov	wnloads:
Q Dataset	Q Dataset Component	Date Range of Data in PFAS Analytic Tools	Q	Extracted for PFAS Analytic	Q	Next Anticipated Extract Date	Q	Q. Source		Discharge Monit
Orinking Water (UCMR)	UCMR 3	2013-2016		4/1/2020		N/A		External Link		Drinking Water (
Prinking Water (UCMR)	UCMR 5	1/2/2013 - 12/13/2016		-		2023		External Link		
nvironmental Media	Water Quality Portal	1/1/1901 - 3/22/2023		5/29/2023		6/5/2023		External Link		Drinking Water (L
ederal Sites	DoD Notifications to Agricultural Operations	3/1/2021 - 3/31/2022		3/31/2022		Upcoming Septemb	er	External Link		Environmental N
ederal Sites	DOE	Current		4/24/2023		Unknown		External Link		Fordered Cite
ederal Sites	DOT FAA	Current		10/4/2022		Upcoming April /		External Link		Federal Sites
						October				Industry Secto
ederal Sites	NASA	Current		10/4/2022		Upcoming April / October		External Link		Production
ederal Sites	US Department of Defense PFAS Spotlight	12/31/2022		12/31/2022		Upcoming March / September		External Link		Spills Da
ederal Sites	USCG	Current		10/4/2022		Upcoming April /		External Link		эршэ Ба
						October				Superfund Site
ederal Sites	USDA	Current		10/4/2022		Upcoming April /		External Link		
						October				TRI Data - Or
ndustry Sectors	ECHO	Current		5/29/2023		6/5/2023		External Link		
ndustry Sectors	Federal Aviation Adminstration	10/13/2022		10/13/2022		Unknown		External Link		TRI Data - O
Production	Chemical Data Reporting (CDR) under the Toxic	2011		3/20/2019		N/A		External Link		TRI Data - Waste
	Substance Control Act (TSCA)									Transfers I

itoring Data

(State) Data

UCMR) Data

Media Data

es Data

tors Data

n Data

ites Data

On-Site

Off-Site

te Managed

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.



Environmental Topics

Quick Search

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Help

News

Access

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

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

Laws & Regulations

Compliance History Online

Report a Violation

Contact Us

Analyze Trends

About EPA

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

Search EPA.gov

Pollution Analysis

Water Pollutant Loading Tool *

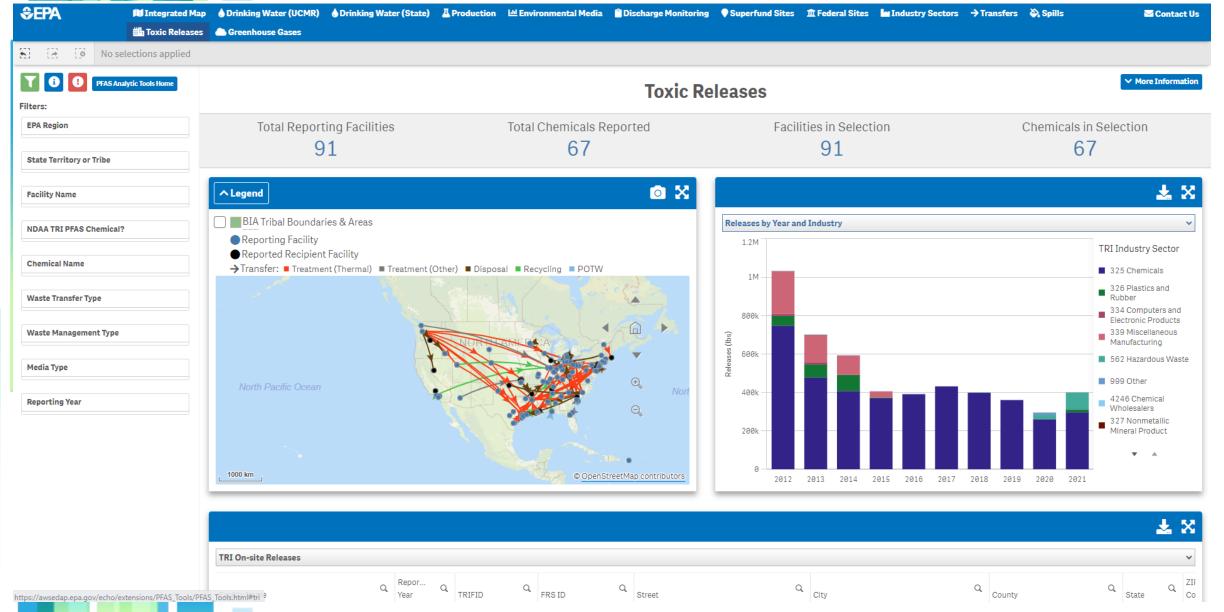






PFAS Analytic Tools - TRI Tab

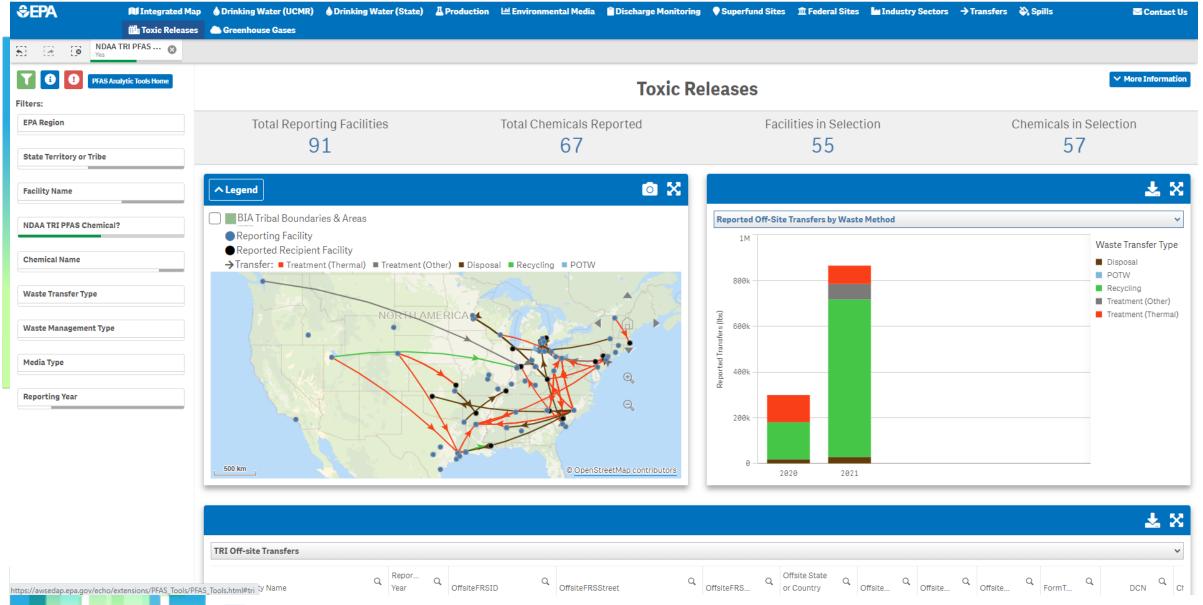






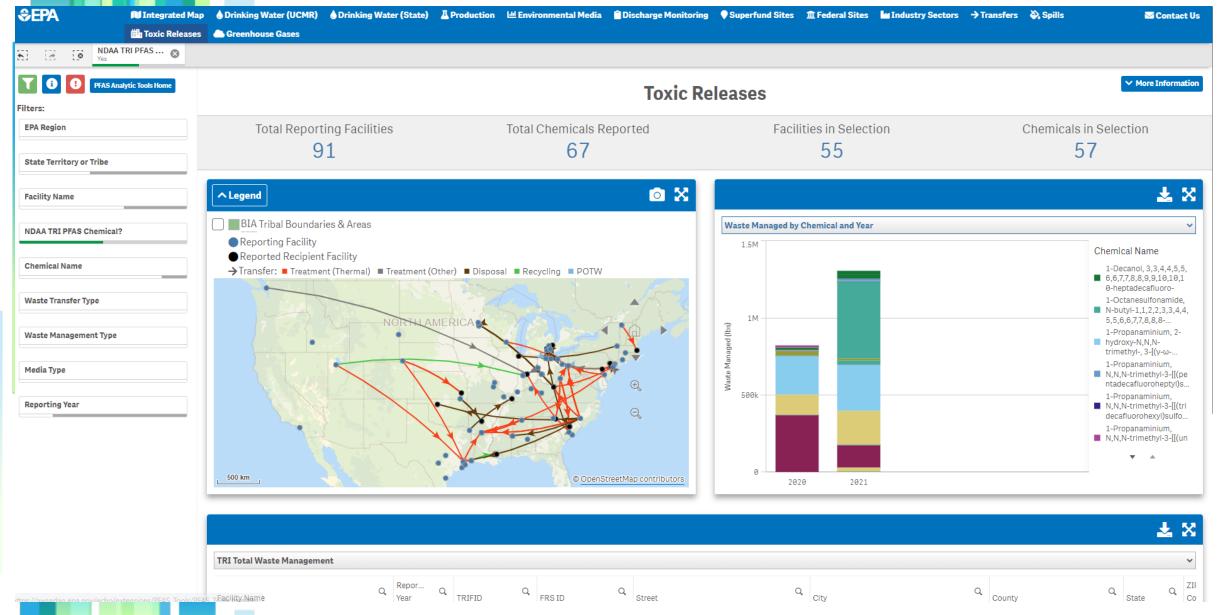
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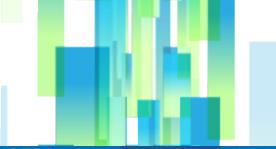




PFAS Analytic Tools - TRI Tab

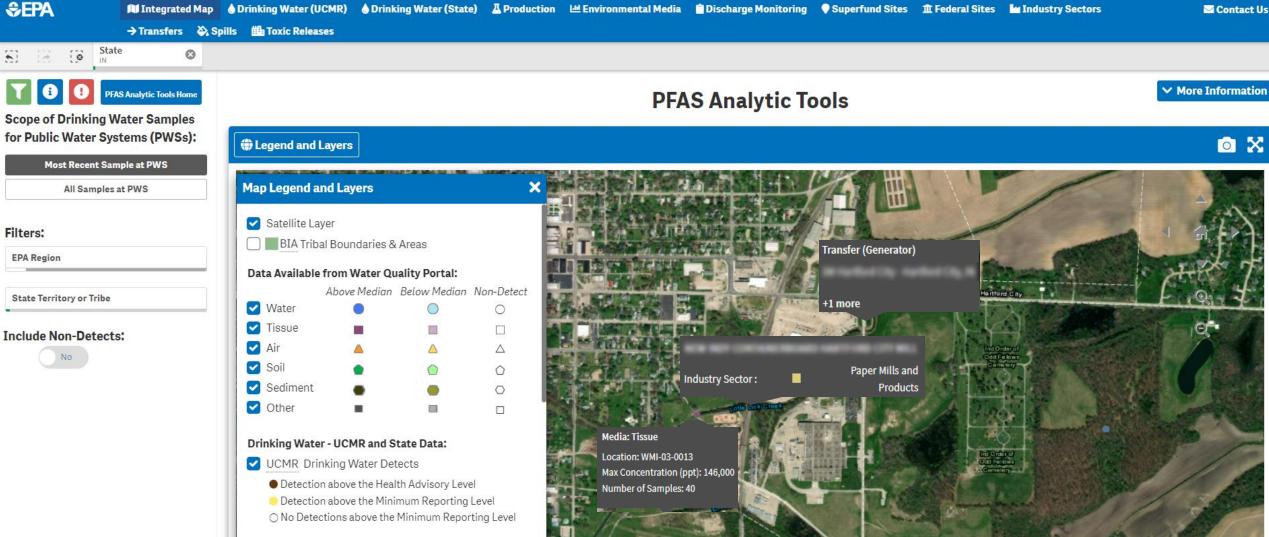


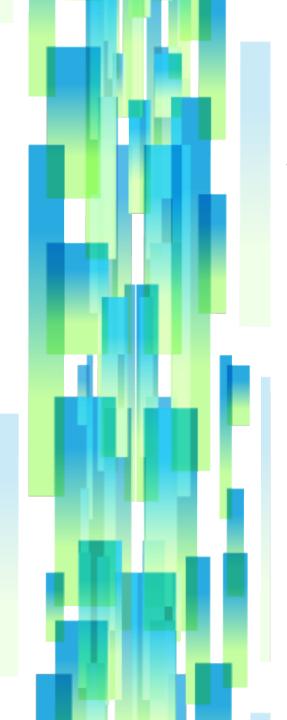




PFAS Analytic Tools Integrated Map









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

Questions? And Comments

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