



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

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Overview

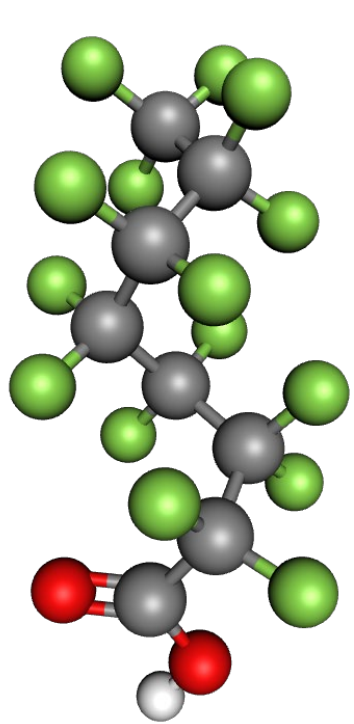
- **EPA's PFAS Strategic Roadmap**
- Background on Per- and Polyfluoroalkyl Substances (PFAS)
- EPA's Approach and Goals
- Key Roadmap Progress and Upcoming Actions

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

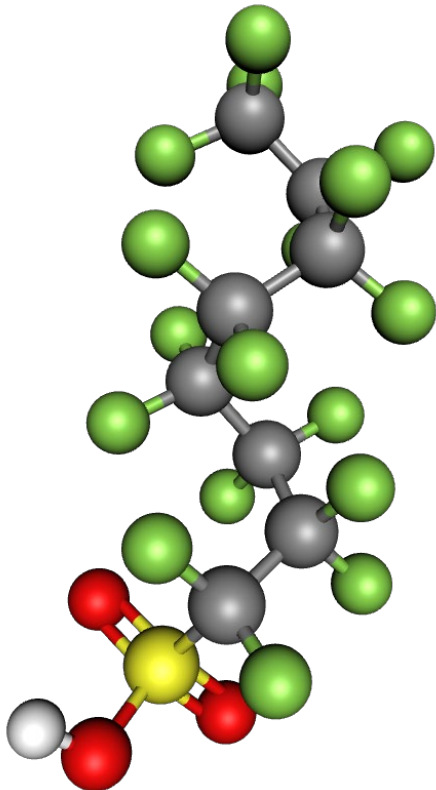
- EPA Administrator Michael Regan established the EPA Council on PFAS in April 2021.
- The Council developed the PFAS Strategic Roadmap, released in October 2021 – a bold, strategic, whole-of-EPA approach to protect public health and the environment from PFAS.
- The Roadmap:
 - Includes timelines for concrete actions from 2021-2024;
 - Fills a critical gap in federal leadership;
 - Supports states' ongoing efforts; and
 - Builds on the Biden-Harris Administration's commitment to restore scientific integrity.



What Are Per- and Polyfluoroalkyl Substances (PFAS) and Why are We Concerned?



Perfluorooctanoic acid (PFOA)



Perfluorooctanesulfonic acid (PFOS)

PFAS captures a large class of synthetic chemicals.

- Chains of carbon atoms surrounded by fluorine atoms.
- Wide variety of chemical structures.

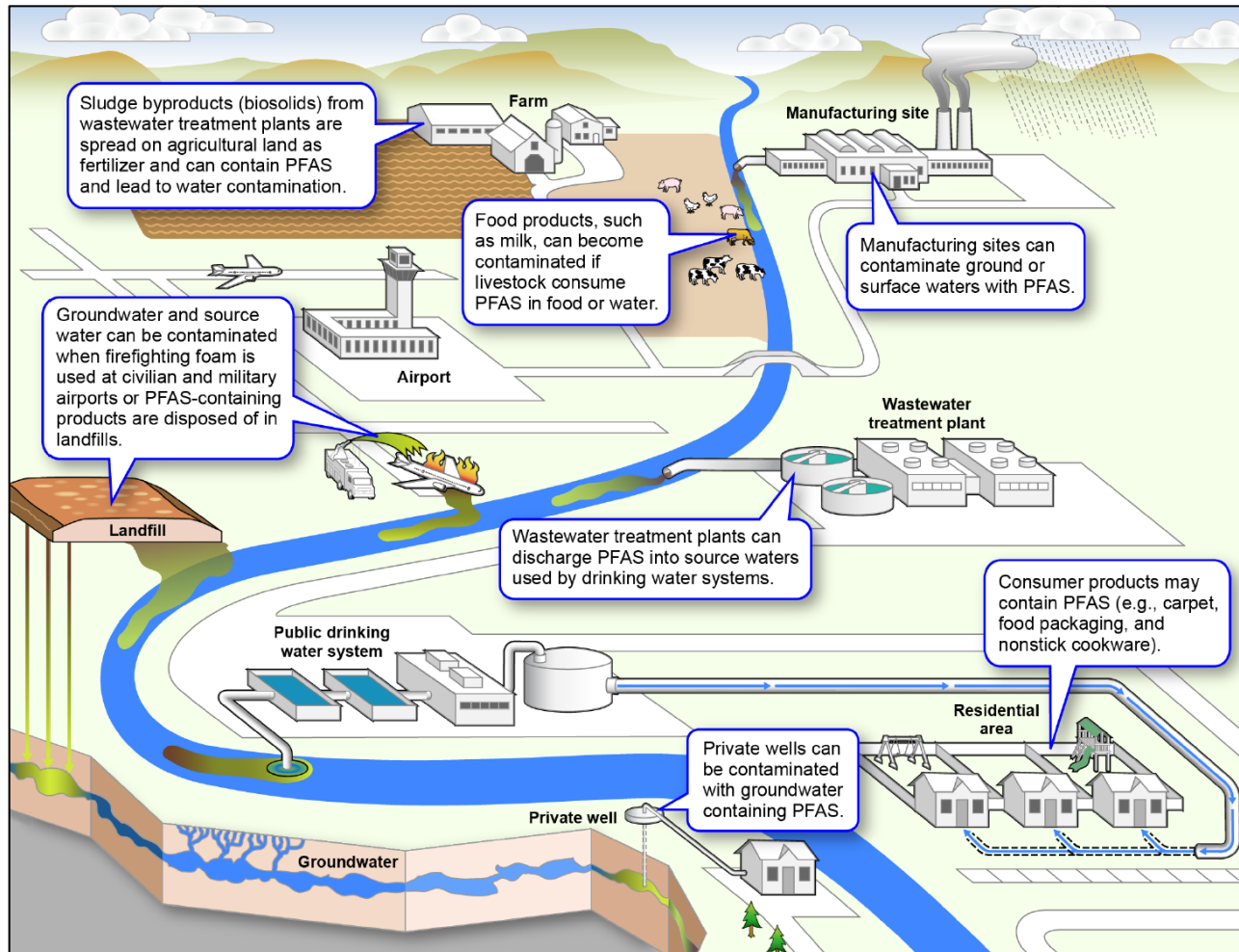
Used in homes, businesses, and industry since the 1940s.

- Used by a number of industries and found in many consumer products.
- Detected in soil, water, fish, and air samples.
- Most people have been exposed to PFAS.

Known or suspected toxicity.

- Some are relatively well understood; many others are not.
- Resist decomposition in the environment and in the human body.

PFAS Lifecycle and EPA's Approach



EPA's approach is centered around the following principles:

- Consider the Lifecycle of PFAS.
- Get Upstream of the Problem.
- Hold Polluters Accountable.
- Ensure Science-Based Decision-Making.
- Prioritize Protection of Disadvantaged Communities.

EPA's Goals in the Strategic Roadmap

RESEARCH

Invest in research, development, and innovation to increase understanding of

- PFAS exposures and toxicities;
- Human health and ecological effects; and
- Effective interventions that incorporate the best-available science.

RESTRICT

Pursue a comprehensive approach to proactively prevent PFAS from entering air, land, and water at levels that can adversely impact human health and the environment.

REMEDiate

Broaden and accelerate the cleanup of PFAS contamination to protect human health and ecological systems.

Key EPA PFAS Accomplishments: (October 2021-present)



EPA's PFAS Strategic Roadmap: A Year of Progress

November 2022



- Proposed a National Primary Drinking Water Regulation for six PFAS
- Proposed to designate PFOA and PFOS as CERCLA hazardous substances
- Taken action to restrict PFAS discharges to waterways
- Began distributing \$10 billion in Bipartisan Infrastructure Law funding to address emerging contaminants in water
- Laid the foundation for enhancing PFAS chemical and drinking-water data
- Expanded the scientific understanding of PFAS and translated the latest science into EPA's efforts
- Proactively used enforcement tools to identify and address PFAS releases
- Engaged with federal partners and the public

Key Roadmap Actions: Research and Development

Develop and validate methods to detect and measure PFAS

RESEARCH

Advance the science to assess human health and environmental risks

RESEARCH

Evaluate and develop technologies for reducing PFAS in the environment

RESEARCH

REMEDiate

Key Roadmap Actions: Protecting our Water

Set enforceable limits for PFAS in drinking water

RESTRICT

Improve PFAS drinking-water data through monitoring, toxicity assessments, and health advisories

RESEARCH

Develop technology-based PFAS limits for industrial dischargers

RESTRICT

Address PFAS in Clean Water Act permitting, analytical methods, water quality criteria, and fish advisories

RESEARCH

RESTRICT

Evaluate risks of PFAS in biosolids

RESEARCH

Key Roadmap Actions: Cleaning Up PFAS Contamination and Addressing PFAS Air Emissions

Develop regulations to designate PFAS as CERCLA hazardous substances

REMEDiate

Take regulatory action to tackle PFAS under RCRA

REMEDiate

Update research and guidance on PFAS destruction and disposal

RESEARCH

REMEDiate

Build the technical foundation for potential Clean Air Act regulation

RESEARCH

RESTRICT

Bipartisan Infrastructure Law and PFAS

The Bipartisan Infrastructure Law makes transformational investments in America's water infrastructure. It provides \$10 billion to invest in communities impacted by PFAS and other emerging contaminants, including:

\$4 billion

Drinking Water State Revolving Fund

\$1 billion

Clean Water State Revolving Fund

\$5 billion

**Small or Disadvantaged Communities
Drinking-Water Grants**



PFAS Strategic Roadmap:

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