



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

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DOE Intergovernmental Meeting  
December 1, 2022

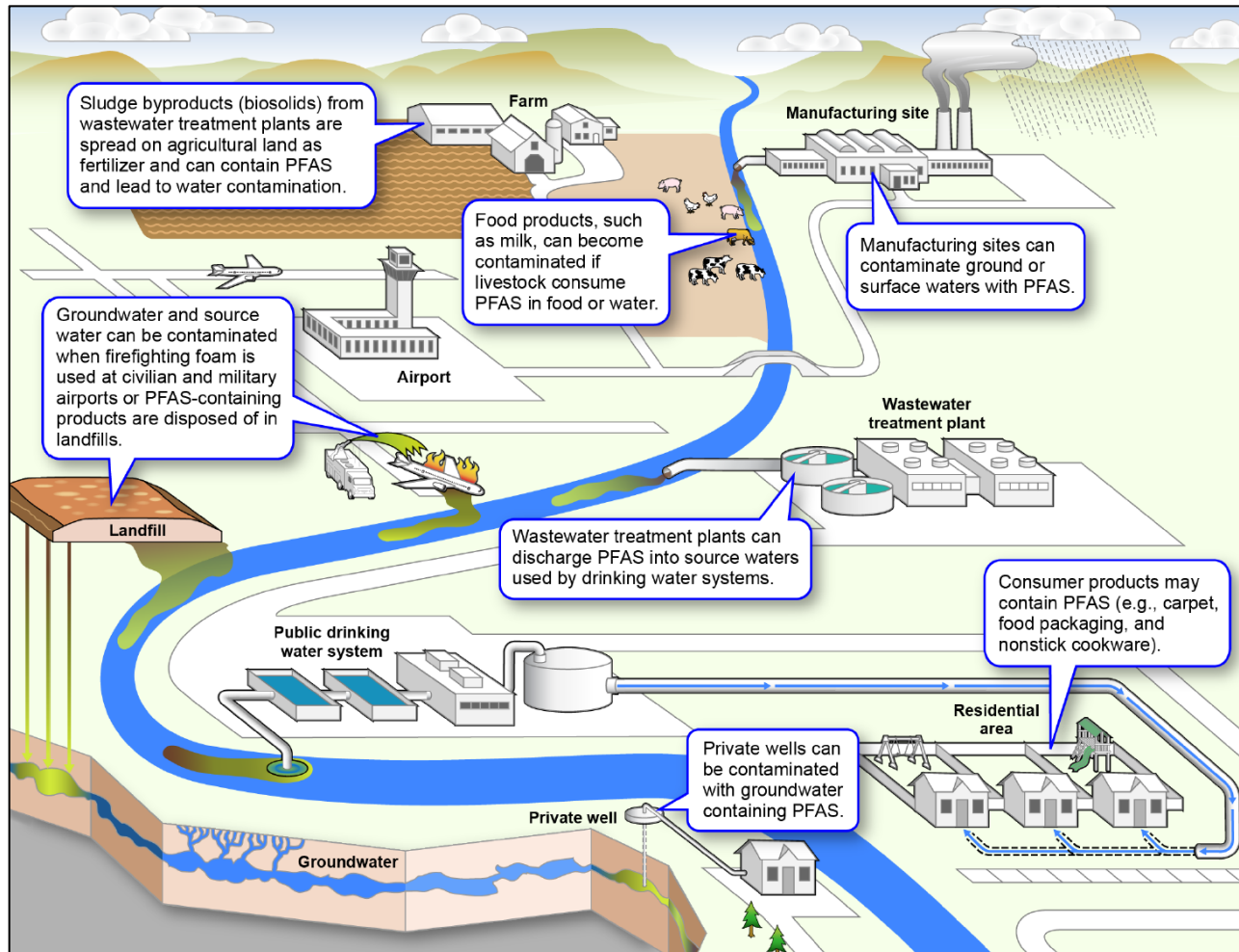
# Briefing Overview

- EPA's PFAS Strategic Roadmap
- EPA's Approach and Goals
- Key Roadmap Actions
- Bipartisan Infrastructure Law and PFAS
- More details on cleanup-related items

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

- EPA Administrator Michael Regan established the EPA Council on PFAS in April 2021.
- EPA released its PFAS Strategic Roadmap in October 2021
  - Agency-wide, comprehensive approach to tackling PFAS
  - Sets timelines for concrete actions from 2021 to 2024
  - Complementary with actions by States and other Federal agencies
- EPA just released in November 2022 a one year progress update on the PFAS Strategic Roadmap

# PFAS Lifecycle and EPA's Approach



**PFAS contamination presents unique challenges. 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 Roadmap Actions: Research and Development

**Develop and validate methods to detect and measure PFAS** (*ongoing*)

RESEARCH

**Advance the science to assess human health and environmental risks** (*ongoing*)

RESEARCH

**Evaluate and develop technologies for reducing PFAS in the environment** (*ongoing*)

RESEARCH

REMEDiate

# Key Roadmap Actions: Ensuring Chemical Safety

**Deepen our understanding of PFAS categories through the National PFAS Testing Strategy** (*October 2021, June 2022*)

RESEARCH

RESTRICT

**Strengthen EPA oversight over both new and existing PFAS** (*summer 2022 and ongoing*)

RESTRICT

**Collect data and improve reporting of how PFAS are used and released** (*winter 2022*)

RESEARCH

RESTRICT

**Establish a PFAS voluntary stewardship program** (*ongoing*)

RESTRICT

**Reduce PFAS in federal procurement** (*ongoing*)

RESTRICT

# Key Roadmap Actions: Protecting our Water

**Set enforceable limits for PFOA and PFOS in drinking water**  
*(proposed fall 2022, final fall 2023)*

RESTRICT

**Improve PFAS drinking-water data through monitoring, toxicity assessments, and health advisories** *(Dec 21 & June 22)*

RESEARCH

**Develop technology-based PFAS limits for industrial dischargers** *(2022 & ongoing)*

RESTRICT

**Address PFAS in Clean Water Act permitting, analytical methods, water quality criteria & fish advisories** *(2022 & ongoing)*

RESEARCH

RESTRICT

**Evaluate risks of PFAS in biosolids** *(winter 2024)*

RESEARCH



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

**Develop regulations to designate PFAS as CERCLA hazardous substances** (*PFOA and PFOS proposal published September 2022, comment period closed*)

REMEDiate

**Take regulatory action to tackle PFAS under RCRA** (*ongoing*)

RESTRICT

REMEDiate

**Update research and guidance on PFAS destruction and disposal** (*fall 2023*)

RESEARCH

REMEDiate

**Build the technical foundation for potential Clean Air Act regulation** (*fall 2022 and ongoing*)

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**

# Cross-Program Actions

**Engage  
directly with  
affected  
communities**

**Use  
enforcement  
tools to  
identify and  
address  
PFAS  
releases**

**Coordinate  
with federal  
partners on  
policy  
strategies**

**Report on  
EPA's  
progress and  
communicate  
PFAS risks**

# More details on Cleanup and Waste Items

**Proposed Rule (NPRM) to Designate PFOA and PFOS as CERCLA Hazardous Substances**

**Planned ANPRM regarding other PFAS**

**Initiated rulemakings: four PFAS to be Hazardous Constituents, and clarify authority for statutorily-defined hazardous wastes**

**Added five PFAS to Regional Screening Level (RSL) and Removal Management Level (RML) tables**

**Update on Disposal and Destruction Guidance planned late 2023**