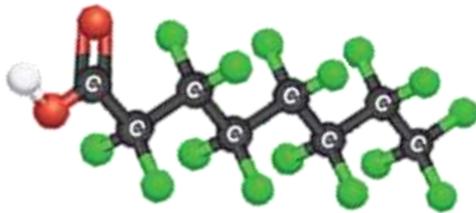


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Region 3: PFAS Pretreatment

June 14, 2023



Purpose

- Pretreatment Control Authority: Update IU Inventory
 - “Permits to POTWs should contain permit requirements to identify and locate all possible IUs that may be subject to the pretreatment program and identify the character and volume of pollutants contributed to the POTW by the IUs. . . . **The IU inventory shall be revised, as necessary, to include all IUs in industry categories expected or suspected of PFAS discharges.**”
- Pretreatment Approval Authority: Create a GIS tool for EPA, and state and local counterparts
 - To identify and locate IUs in industry categories expected or suspected of PFAS discharges within a selected WWTP’s geographical area

Industry categories

- Expected or suspected of PFAS discharges
 - Airports
 - Cement Manufacturing
 - Chemical Manufacturing
 - Cleaning Product Manufacturing
 - Consumer Products
 - Electronics
 - Fire Protection (Training)
 - Furniture and Carpet
 - Glass Products
 - Industrial Gas
 - Metal Coating
 - Metal Machinery Manufacturing
 - Mining and Refining
 - National Defense
 - Oil and Gas
 - Paints and Coatings
 - Paper Mills and Products
 - Petroleum
 - Plastics and Resins
 - Printing
 - Textiles and Leather
 - Waste Management

Methods

- Dataset of all businesses in Region 3 (DE, DC, MD, PA, VA, WV)
- Refined to include only those with primary NAICS codes matching industry categories expected or suspected of PFAS discharges
- Dataset of wastewater treatment plants in Region 3
 - Non-approved program, approved program, and privately owned (PA only)
- Significant Industrial Users permitted by approved program POTWs where Region 3 is the pretreatment Approval Authority (DE, DC, PA)

Near-Future Developments

- ✓ Proximity analysis feature to determine closest WWTP to a selected industry in an industry category expected or suspected of PFAS discharge
- Publish to EPA public-facing Environmental Dataset Gateway
- Regular updates to the industry and WWTP datasets
- NPDES PFAS pretreatment permit language implementation for DE, DC, PA, where EPA is the pretreatment Approval Authority
- PFAS IU Inventory spreadsheet template for those approved program POTWs in DE, DC, PA – as part of the annual report

Demonstration

EPA Mid-Atlantic Pretreatment PFAS (eMAPP) Tool



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