



PFAS in NPDES Permits
Justin Pimpare – EPA New England
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Presentation Overview

EPA New England Approach

- Mapping
- Regional NPDES Permit Strategy

Region 1
Mapping
PFAS



Mapped potentially known dischargers of PFAS in 2019

- Focused on MA and NH – EPA Authority
- Interested in drinking water sources
- Reviewed Annual Industrial Pretreatment reports
- Classified industrial sectors
- Ranked significant industrial users (High, Medium or Low)

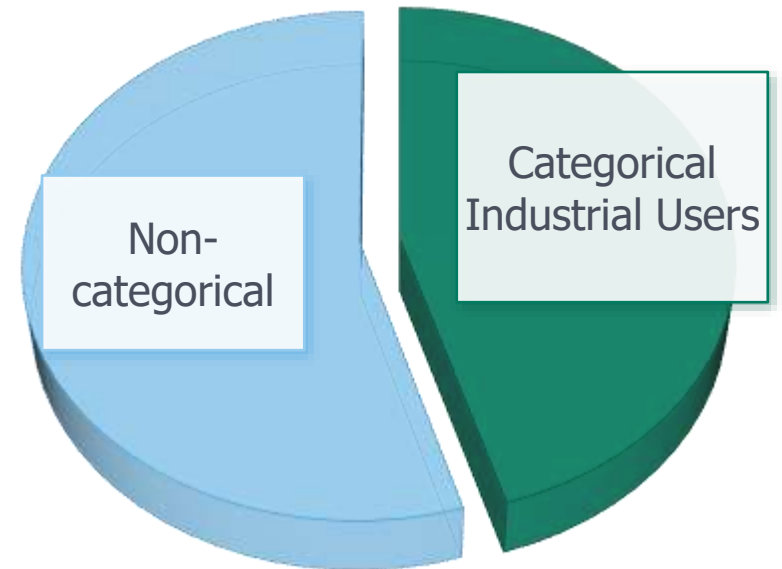
PFAS Ranking

Reviewed **62 Annual Industrial Pretreatment Pretreatment POTW Reports** to identify Significant Industrial Users to determine ranking:

Categorical Determination

45 percent identified their categorical determination in their reports

CATEGORICAL DETERMINATION

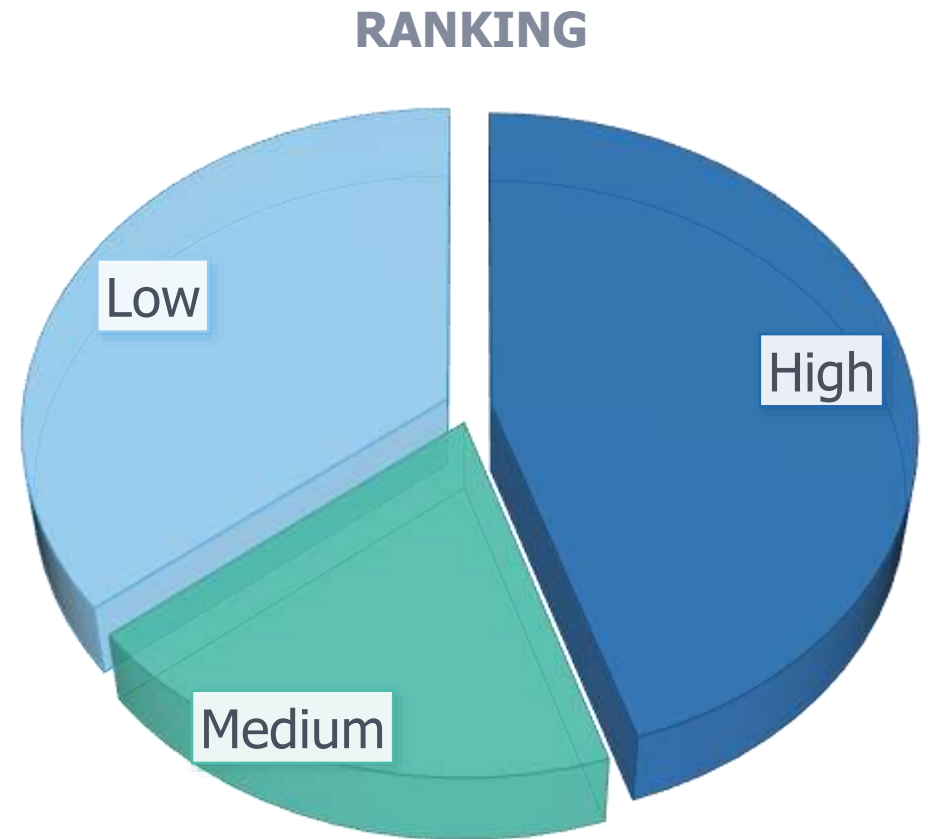


PFAS Ranking: High/Medium/Low

High: All the industries identified as potential PFAS sources; example metal platers, textiles, landfill

Medium: Has related activities that may include PFAS source; hospitals

Low: Unlikely to be related to PFAS; breweries or restaurants



New England Assessment of Wastewater Impacts to Drinking Water

Using GIS analysis techniques to identify where the public water systems have the highest chance of wastewater contamination

Findings

- 60 Major NPDES facilities are upstream of drinking water intakes
- 16 Drinking water intakes are downstream of major NPDES dischargers
 - Minimum amount of upstream NPDES = 1
 - Maximum amount of upstream NPDES = 33
 - Closest NPDES discharger to a drinking water intake = 0.18 miles

Memo for Per- and Polyfluoroalkyl Substances in Federally Issued National Pollutant Discharge Elimination System (NPDES) Permits

Addressing PFAS Discharges in NPDES Permits and Through the Pretreatment Program and Monitoring Programs

EPA HQ Memo – December 2022

What's Recommended in the HQ Memo?

Effluent-monitoring for **NPDES Industrial Permits (Direct Dischargers)**

Influent/Effluent/Biosolids monitoring for **POTW NPDES Permits**

- Quarterly monitoring for PFAS using Draft Analytical Method 1633
- Electronic Reporting of Data via DMRs

Update SIU Inventory

Best Management Practices

- Product Elimination or substitution
- Accidental Discharge minimization

Regional Pretreatment Component on Industrial Dischargers

Permittee shall commence annual sampling of specific types of industrial discharges into the POTW:

Commercial Car Washes

Platers/Metal Finishers

Paper and Packaging Manufacturers

Tanneries and Leather/Fabric/Carpet Treaters

Manufacturers of Parts with Polytetrafluoroethylene (PTFE) or teflon type coatings (i.e. bearings)

Landfill Leachate

Centralized Waste Treaters

Known or Suspected PFAS Contaminated Sites

Fire Fighting Training Facilities

Airports

Any Other Known or Expected Sources of PFAS

EPA New England NPDES Permit Approach

<https://www.epa.gov/npdes-permits/massachusetts-npdes-permits>

EPA's Effluent Guidelines Plan

<https://www.epa.gov/eg/current-effluent-guidelines-program-plan>

Questions

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Justin Pimpare
EPA New England
Pimpare.justin@epa.gov
(617)918-1531