



Massachusetts Water Resources Authority

**PFAS: MWRA Activities and
Federal Regulatory Update**

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MWRA Activities

- Following the Science
- Quarterly Sampling
 - Drinking Water
 - Biosolids
- Outreach to Significant Industrial Users (SIUs)
- Participating in Studies
- Working closely with MassDEP and EPA

Six Bold PFAS compounds = Massachusetts MCL	
All PFAS compounds = AOS Sampling Requirements	
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic acid
PFNA	Perfluoronanoic acid
PFHxS	Perfluorohexanesulfonic acid
PFHpA	Perfluoroheptanoic acid
PFDA	Perfluorodecanoic acid
PFBA	Perfluorobutanoic Acid
PFPeA	Perfluoropentanoic Acid
PFHxA	Perfluorohexanoic Acid
PFUnA	Perfluoroundecanoic Acid
PFDoA	Perfluorododecanoic Acid
PFTTrDA	Perfluorotridecanoic Acid
PFBS	Perfluorobutanesulfonic Acid
PFPeS	Perfluoropentanesulfonic Acid
PFNS	Perfluorononanesulfonic Acid
PFDS	Perfluorodecanesulfonic Acid



Industry Outreach and Research

- Outreach to SIUs in November 2020
 - Outlined upcoming state and federal regulatory changes
 - Referred industries to Massachusetts' Executive Office of Energy and Environmental Affairs' Office of Technical Assistance and Technology (OTA) for assistance
- Working closely with OTA
- Working to identify industries known and suspected to use compounds containing PFAS



National Pollutant Discharge Elimination System (NPDES) Permits

- EPA Region 1 NPDES and MassDEP Surface Water Discharge permits include new PFAS monitoring requirements
 - 6 PFAS Compounds
 - Beginning 6 months after approved WW method or 2 years after issued (whichever is earlier)
 - Influent (Quarterly)
 - Effluent (Quarterly)
 - Biosolids (Quarterly)
 - SIUs (Annually)



Status of Federal Regulations and Guidance: Moving Forward

- EPA Action Plan, updated January 2021
- Method for analyzing PFAS in media other than drinking water
- Drinking Water Regulations:
 - Pursuing the regulation of PFOS + PFOA
 - Unregulated Contaminant Monitoring Rule 5 (UCMR5) 2023-2025, 29 PFAS Compounds
- Added 172 PFAS Compounds to the Toxics Release Inventory chemical list, 100 lb reporting limit
- Toxic Substances Control Act changes to regulate imported products that contain long-chain PFAS
- Released draft guidance on PFAS destruction and disposal options



Status of Federal Regulations and Guidance: Pending Efforts

- Evaluation of PFAS manufacturers and formulators under existing Effluent Limitations Guideline for Organic Chemicals, Plastics and Synthetic Fibers
- List as hazardous substance under the Resource Conservation and Recovery Act (RCRA) and the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)
- Development of surface water quality standard (SWQS)