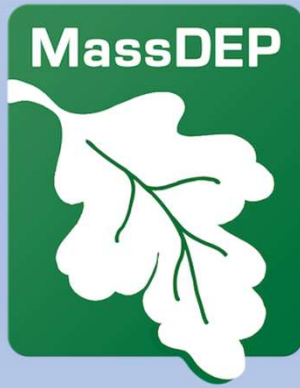


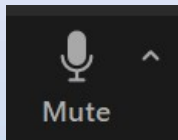
New EPA Health Advisories for PFAS and the Massachusetts PFAS6 MCL



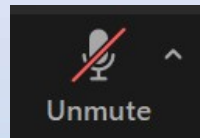
July 20, 2022

Zoom Tips

- Please make sure your microphone is muted
 - Click on the icon in the lower left corner of the screen:



Live microphone

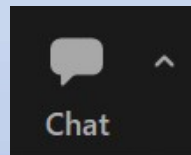


Muted microphone

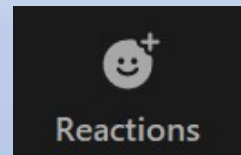
- Press *6 to mute if joining by phone

- Questions

- Type in the Chat



- Raise Hand (within Reactions)



- Those on a phone will be asked to unmute for questions
- Q&A will be compiled and shared after the meeting
- This meeting is not being recorded
- Technical Problems
 - Leave then Rejoin
 - Contact nicole.dellaporta@mass.gov



Office of Research and Standards

Mark Smith, Ph.D., M.S., Director

c.mark.smith@mass.gov

EPA PFAS Health Advisories

- Issued June 15, 2022
- NOT a standard, NOT enforceable
- Provide information to consumers, states, water suppliers
- Considered when standards are established
- EPA expected to propose a PFAS regulation with either Maximum Contaminant Level(s) or a Treatment Technique in late 2022 and issue a final PFAS regulation in 2023

EPA PFAS Health Advisories

Interim

PFOA: 0.004 parts-per-trillion (ppt; ng/L)

PFOS: 0.02 parts-per-trillion (ppt; ng/L)

- Based on **draft** Reference Dose
- Human studies/immune effects
- Below detection/quantification limits

Final

GenX (HFPO-DA): 10 ppt (PFOA replacement)

PFBS: 2,000 ppt (PFOS replacement)

- Based on **final** Reference Dose
- Based on animal bioassay data
- Above detection/quantitation limits

MassDEP Response

- Awaiting final report from EPA's Science Advisory Board
- MassDEP reviewing EPA's documents
 - Will be considered when reviewing the MassDEP PFAS regulation
- Communicating with other states' toxicologists, risk assessors and drinking water programs



Drinking Water Program

Damon Guterman, Senior Analyst

damon.guterman@mass.gov

MA Prevalence as of 7/15/22

- PFOS: 4,348 Detections in finished water at 656 PWS
 - 2,920 at or above 2 ng/L at 379 PWS
 - 1,428 below 2 ng/L (qualified) at 430 PWS
 - Any Detection Exceeds HA
- PFOA: 4,646 Detections in finished water at 698 PWS
 - 3,497 at or above 2 ng/L at 479 PWS
 - 1,149 below 2 ng/L (qualified) at 388 PWS
 - Any Detection Exceeds HA
- GenX: 31 Detections in finished water at 11 PWS
 - 17 quantified at 5 PWS; Max = 4.2 ng/L; All Below 10 ng/L HA
 - 14 qualified at 9 PWS
 - MRLs at or below 4.4 ng/L
- PFBS: 3,716 Detections in finished water at 593 PWS
 - 2,566 quantified at 428 PWS; Max = 384 ng/L; All Below 2,000 ng/L HA
 - 1,150 qualified at 386 PWS
 - MRLs at or below 10 ng/L

Massachusetts PFAS Regulations

- Remains the same for now
- MassDEP Review
 - 310 CMR 22.07G(3)(e) “Review of PFAS and Drinking Water. Not later than December 31, 2023, and once every three years thereafter, the Department shall perform a review of relevant developments in the science, assessment and regulation of PFAS in drinking water for the purpose of evaluating whether to amend 310 CMR 22.07G(3) in light of any advancements in analytical or treatment technology, toxicology and/or any other relevant information. Information about this review shall be made available to the public.”
- EPA PFAS Regulation
 - Proposal Late 2022 / Final 2023
 - MassDEP’s regulations cannot be any less stringent

What Should PWSs Do?

- All COM and NTNC PWSs Have Started Testing
- Most TNCs Have Tested
 - Remaining Must Test by September 30, 2022
- PFOS or PFOA Results above the MassDEP MCL
 - Continue to follow the directions provided by MassDEP
- PFOS or PFOA Results below the MCL
 - Contact your MassDEP regional office to discuss plans to lower levels through operational changes and/or treatment

What To Tell Consumers?

- Be transparent about the process
- Review and use the EPA FAQ to explain the interim HAs and EPA information
- Explain that EPA will be setting an MCL which is the standard that all PWSs will have to meet
- Explain any changes you are making to lower the level of PFOS and PFOA in finished water
- Communicate that MassDEP will be conducting a review of the HAs and any proposed Federal PFAS regulations



Division of Municipal Services

Maria Pinaud, Director

maria.pinaud@mass.gov

Supplemental BIL Funding

Highlights for SRFs

- President Biden signed into law the **\$1.2 trillion** Infrastructure Investment and Jobs Act of 2021 (H.R. 3694) *aka* Bipartisan Infrastructure Law (**BIL**)
- Provides supplemental funding for the Clean Water and Drinking Water State Revolving Funds (SRFs)
 - ✓ Adds to the annual SRF capitalization grants
- Funding available over five years (2022 – 2026)
- Expands SRF program capacity for loans and loan forgiveness for disadvantaged communities, in addition to the standard principal forgiveness offerings, while adhering to existing SRF project eligibilities

Supplemental BIL Funding

Drinking Water SRF

- Supplemental DWSRF Grant - these funds are available for all eligible projects
 - ✓ 49% of the grant must be given away as loan forgiveness to disadvantaged communities
- Lead Service Line Replacement Grant - these funds will go towards identifying, planning and removing lead service lines
 - ✓ 49% of the grant must be given away as loan forgiveness to disadvantaged communities
- Emerging Contaminants Grant - these funds focus specifically on emerging contaminants, such as PFAS
 - ✓ 100% of the grant must be given away as loan forgiveness to eligible projects, such as PFAS remediation, and at least 25% to disadvantaged communities

Supplemental BIL Funding

Clean Water SRF

- Supplemental CWSRF Grant - these funds are available for all eligible projects, including PFAS
 - ✓ 49% of the grant must be given away as loan forgiveness to disadvantaged communities
- Emerging Contaminants Grant - these funds focus specifically on emerging contaminants, such as PFAS
 - ✓ 100% of the grant must be given away as loan forgiveness to eligible projects, such as PFAS remediation

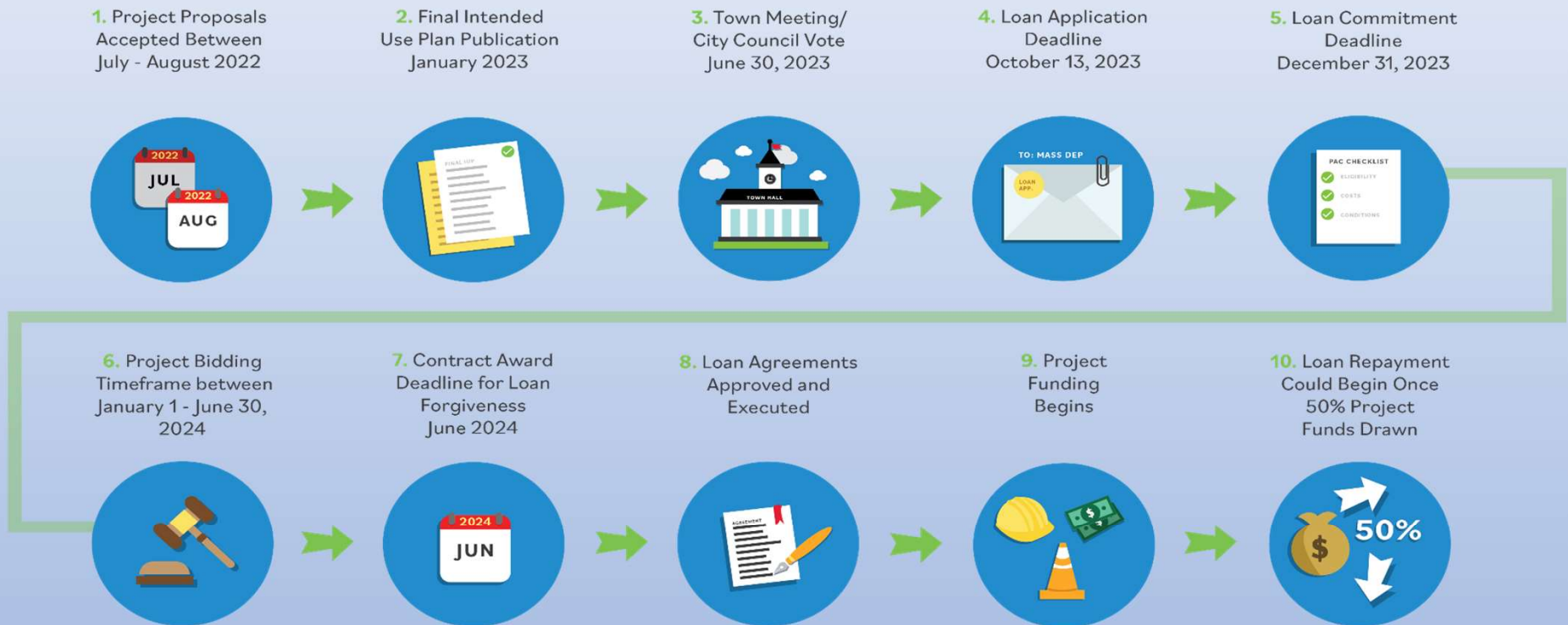
Supplemental BIL Funding

Investments in Massachusetts

Year	CW Supplemental	CW PFAS	CW State Match	DW Supplemental	DW PFAS	DW Lead	DW State Match	Total
2022	\$60,428,000	\$3,175,000	\$6,042,800	\$41,750,000	\$17,531,000	\$65,783,000	\$4,175,000	\$198,884,800
2023	\$70,534,621	\$7,195,500	\$7,053,462	\$48,233,293	\$17,495,733	\$65,610,000	\$4,823,329	\$ 220,945,940
2024	\$76,973,068	\$7,195,500	\$15,394,614	\$52,636,060	\$17,495,733	\$65,610,000	\$10,527,212	\$245,832,187
2025	\$83,379,482	\$7,195,500	\$16,675,896	\$57,016,922	\$17,495,733	\$65,610,000	\$11,403,384	\$258,776,919
2026	\$83,379,482	\$7,195,500	\$16,675,896	\$57,016,922	\$17,495,733	\$65,610,000	\$11,403,384	\$258,776,919
Total	\$375,191,654	\$31,980,000	\$61,892,369	\$256,565,198	\$87,478,667	\$328,050,000	\$42,323,510	\$1,183,481,397

State Revolving Fund Loan Process

The SRF financing process can take up to two years, depending on the community and project, from the initial project proposal to funding being disbursed. MassDEP staff will provide assistance to the community from application submission to project completion.



Contact: Maria.Pinaud@mass.gov



Drinking Water Program

Damon Guterman, Senior Analyst

damon.guterman@mass.gov

Upcoming Grant Opportunities

- \$1,050,000 in state grant funds to support the installation of Point-of-Entry Treatment Systems, prioritizing small and disadvantaged PWSs
- EPA federal funds directly through MassDEP for grants to address emerging contaminants in small and disadvantaged systems.

No state allocation or guidance available at this time

More PFAS Information

- EPA

- EPA PFAS HA: <https://www.epa.gov/sdwa/drinking-water-health-advisories-pfoa-and-pfos>
- EC small and disadvantage Grant Program
<https://www.epa.gov/dwcapacity/emerging-contaminants-ec-small-or-disadvantaged-communities-grant-sdc#:~:text=Background-The%20goal%20of%20the%20Emerging%20Contaminants%20in%20Small%20or%20Disadvantaged,states%2C%20territories%2C%20aand%20tribes.>

- MassDEP

- PFAS Information: <https://www.mass.gov/info-details/per-and-polyfluoroalkyl-substances-pfas>
- Contact MassDEP Drinking Water Program: program.director-dwp@mass.gov
- MassDEP SRF program: <https://www.mass.gov/lists/state-revolving-fund-applications-forms>

Questions?

A Q/A document will be compiled from your questions and provided to you by the MassDEP Drinking Water Program.