

TOWN OF WELLESLEY
DEPARTMENT OF PUBLIC WORKS

ARTICLE 27
LOAN AUTHORIZATION FOR
WATER TREATMENT SYSTEM
IMPROVEMENTS



Loan Authorization for Water Treatment System Improvements

- Seeking authorization to borrow \$1,340,000
- Project will fund design of permanent PFAS treatment at the Morses Pond WTP and interim treatment at the Rosemary/Longfellow and Wellesley Avenue WTPs.
- Designing to meet current and future EPA/DEP regulations.
- MWRA 2nd Connection still years away.
- Located adjacent to existing treatment plants
- Design includes building envelope, treatment vessels, and process piping.
- Will pursue grants and 0% interest loans.



Example PFAS Treatment Facility



PFAS Regulations

- On April 10, 2024, The US Environmental Protection Agency (EPA) announced the final National Primary Drinking Water Regulation establishing Maximum Contaminant Levels (MCLs) for six PFAS.
- States are required to establish regulations that are no less stringent than the federal standards within two years of the promulgation of the federal MCL, with the possibility of an extension of up to two years.
- MassDEP will be proposing amendments to its PFAS regulations to be at least as stringent as the EPA MCLs.



Current PFAS Results

- The Morses Pond Groundwater Drinking Water Treatment Plant Interim PFAS filtration system continues to operate at non-detect levels and we are now on a cycle of replacing the filter media as needed.
- The Rosemary/Longfellow and Wellesley Avenue Treatment Plants continue to be in compliance with current Mass DEP standards. But, we will need to treat at these locations to be in compliance in the future.



PFAS Removal Results

- **Wellesley Morses Pond GAC/IX Treatment**
 - Reduced levels from 52 ppt to Non-Detect levels July 2022.
- Town of Hudson GAC Treatment
 - Reduced levels from 76 ppt to Non-Detect levels. July 2019.
- Town of Sharon GAC Treatment
 - Reduced levels from 78-125 ppt to Non Detect levels. August 2021.
- Town of Natick GAC Treatment
 - Under construction with expected completion end of November 2021.
 - Reduced levels from 7-18 ppt to Non Detect levels. April 2022.

Sources:

https://www.townofhudson.org/sites/g/files/vyhlif3281/f/pages/2019_ccr_hudson.pdf

https://www.townofsharon.net/sites/g/files/vyhlif3801/f/uploads/pfas_information_update_9.14.2021.pdf



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