

Nyack Water Department

Progress Report

The Nyack Village Water Supply's primary source of water, the Nyack Water Treatment Plant, has been impacted by PFOA and PFOS contamination. Unfortunately, the treatment systems that the Water Department has in-place are ineffective in removing these contaminants.

Actions Undertaken by the Department

The process for implementing treatment for per- and polyfluorinated compounds is not simple. We have been working closely with our health regulators to ensure that the treatment system selected will perform reliably and produce consistent results. Here is a timeline of the actions we have completed over the past year alone.

- February 2020 (2020 Q1): First round of testing completed in preparation of the MCL being passed to the New York State Register.
- August 2020: Engaged the Water Engineer, H2M Architects and Engineers (H2M), to determine steps to be taken if the Village were to be in exceedance of the MCL.
- August 2020: The Nyack Board of Water Commissioners proactively authorized H2M to begin the process of determining the required treatment system for the removal of these contaminants.
- September 2020 (2020 Q3): Second round of testing completed in order to continue monitoring the quality of the water and ensure that it is not in exceedance of the MCL.
- October 2020 (2020 Q4): Third round of testing which indicates that the Village may be in exceedance of the MCL.
- October 2020: H2M begins with the Deferral Application process in anticipation that the testing results may confirm the water supply is in exceedance of the MCL.
- October 2020: H2M presents our preliminary design determinations and cost estimates before the Board of Water Commissioners.
- October 2020 (2020 Q4): Fourth round of testing to verify that the water supply is in exceedance of the MCL.
- November 2020: New York State Department of Health Bureau of Public Water Supply Protection (BPWSP) grants the Nyack Village Water Supply a Deferral from the newly imposed regulations in order to allow the village sufficient time to design and construct a treatment system.
- November 2020: H2M begins with the preparation of the Engineering Report.

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Testing Results

Nyack Village Water Treatment Plant Maximum Detections				
Contaminant	03/02/2020	09/14/2020	10/13/2020	10/30/2020
PFOA (ng/L)	9.98	9.95	13.00	9.4
PFOS (ng/L)	5.38	6.49	8.10	7.8

*Testing for 2021 Quarter 1 is scheduled for February 17, 2021.

Next Steps

Upon completion of the engineering report, H2M will submit the report to the Department of Health for review and comments. Once approval is granted by the Department of Health, H2M will commence with full scale design of the treatment system.