



A Letter to our Customers

Dear Valued Customer:

In September 2021, Middlesex Water Company was notified that a regulated contaminant — Perfluorooctanoic Acid (PFOA) was detected in groundwater samples from our Park Avenue Treatment Plant. Because we exceeded a standard, we were required to provide notice to customers served by that plant, which includes specific language set forth by the United States Environmental Protection Agency (USEPA) and the New Jersey Department of Environmental Protection (NJDEP). PFOA is one of a number of molecular compounds under the broader category of Per- and Polyfluoroalkyl Substances (PFAS) you may have heard about in the news in recent months. These emerging compounds have recently been regulated by the NJDEP with those regulations first applicable to public water systems this year.

For the sake of this letter, we will refer to PFOA as opposed to the larger family of PFOS compounds.

We understand that you may be concerned about PFOA. Exceeding this PFOA standard is not an acute or emergency situation or immediate health risk. However, people who drink water containing PFOA over the MCL, over time, have an increased risk of an adverse health effect from such consumption.

Drinking water systems like ours are not producers or users of PFOA, instead, they are potential receivers of these chemical compounds used by manufacturers and consumers. As a result, we must now implement costly solutions to remediate PFOA from our groundwater supplies in order to meet the new standards. We are building treatment to address PFOA in groundwater but construction takes time. You should also know that Middlesex Water is not alone in battling this contaminant. PFOA has been detected in drinking water supplies throughout our state and across the country. But for our part, we have already begun construction of the new treatment facility to mitigate PFOA and have initiated litigation in U.S. District Court against the party we believe is responsible for the presence of PFOA in the groundwater.

No MCL Standard for PFOA Prior to 2020

Like many other water systems in the U.S., Middlesex Water had been required to test for some PFAS compounds as part of the USEPA's Unregulated Contaminant Monitoring Rule. Well before there was any standard even set for PFOA, the Company had been reporting these detections in its annual Consumer Confidence Report (CCR) also known as its Annual Water Quality Report since 2008.

For some background, the USEPA has established what is called a lifetime of exposure health advisory guideline (not a regulatory requirement) at 70 parts per trillion (ppt) for both PFOA and PFOS in drinking water. This health advisory level of 70 ppt was established to provide a margin of protection to all Americans as well as those who are immuno-compromised or in special populations (elderly, children). EPA has since announced it will be proposing MCLs for PFOA and PFOS. Until recently, the NJDEP had its own guideline of 40 ppt. Last year, the NJDEP adopted an enforceable regulation or Maximum Contaminant Level (MCL) which significantly lowered the limit to 14 ppt, which is effective for the first time this year. The limit is applied on the basis of a "Running Annual Average" (RAA).

Notice is a Tier 2 Violation – Not an Emergency or Acute Threat

Middlesex Water received notice in early September that its Park Avenue system exceeded the new PFOA limit based on Quarterly RAA from samples collected from our treatment Plant in the 1st, 2nd, and 3rd quarters of 2021. Results were 25 ppt, 23 ppt, and 36 ppt respectively. The current QRAA for PFOA is 21 ppt, which is above the MCL. Once the 4th Quarter results are averaged into the QRAA, we can expect the water supply to continue to exceed the MCL until the new treatment is in operation. This exceedance required us to issue public notification.

Some customers have questioned why the delay in notification. This instance is considered a Tier 2 Violation -- meaning that it is not considered **an immediate health risk or acute threat** and, as per regulations, **notification is not required immediately**. To prepare for this, language for the violation notice must also be approved by the NJDEP. Since not all customers are affected, the actual street list and recipients for this notice had to also be determined via hydraulic studies and that methodology approved by NJDEP. We also needed time for printing and mailing. Despite the perception of a delay, the notice was sent within the regulatory notification period required by the NJDEP.

Implementing a Solution to meet the New Standard

It's important to note that the requirement of a new MCL standard is what triggered the violation notice, not a change in the water quality. Prior to the new standard, the treatment facility was not out of compliance for any MCL. To fully understand the MCL, it is established based on a **1 in a million chance of getting cancer by drinking water above the PFOA MCL over a lifetime**.

Exposure to PFAS in drinking water is primarily from ingestion. Exposure to PFAS through other household uses of water such as showering, bathing, laundry, vegetables from the garden, dishwashing or washing vegetables is not significant. In anticipation of the new MCL, Middlesex began exploring and designing treatment to mitigate PFOA in ground water. We are constructing upgrades to our plant, at an initial estimated cost of \$47 million, which will utilize Granulated Activated Carbon (GAC) filtration to support compliance. We expect the plant to be in service by mid-2023. In the interim, we advise all sensitive populations to consult their health care provider if they ever have any concerns with their water supply or about PFOA in their environment in general.

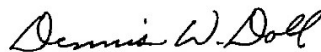
Learn More About PFOA so You can Make Informed Choices

We encourage you to review all of the information available on our website and make informed choices for yourself and your family members. Middlesex Water has served this region and earned the trust and confidence of its customers for 124 years. Our employees are your neighbors and your friends who drink the same water. We are working as quickly as possible to expedite the construction of the treatment facilities to comply with the new standard.

Please view additional information that is available on our website under

<https://www.middlesexwater.com/alerts/>

Sincerely,



Dennis W. Doll
Chairman, President and CEO
Middlesex Water Company

October 28, 2021