



# Chelmsford Water District

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## Chelmsford Water District PFAS Summary and Update

December 01, 2021

The Chelmsford Water District (the "District") will be providing updates regarding per- and polyfluoroalkyl substances (PFAS) and will continue to monitor for PFAS in its finished water and will update the public on any actions or issues related to potential PFAS contamination that may be found in its water. If you need any additional information or clarification on any of these items, contact Todd Melanson, Environmental Compliance Manager 978-256-2931 [tmelanson@chelmsfordwater.com](mailto:tmelanson@chelmsfordwater.com)

### Regulatory summary and update:

On October 2, 2020, the Massachusetts Department of Environmental Protection (MassDEP) published its PFAS public drinking water standard known as a maximum contaminant level (MCL) of 20 nanograms per liter (ng/L) or ppt for the sum of six specific PFAS compounds. These six PFAS compounds are: perfluorooctane sulfonic acid (PFOS); perfluorooctanoic acid (PFOA); perfluorohexane sulfonic acid (PFHxS); perfluorononanoic acid (PFNA); perfluoroheptanoic acid (PFHpA); and perfluorodecanoic acid (PFDA). MassDEP abbreviates this set of six PFAS compounds as "PFAS6".

### Chelmsford Water District Action Summary:

The July pre-regulatory sampling as well as the initial regulatory and confirmatory sampling rounds which occurred in November and December 2020 were posted on the District's Summary and Update of **January 21, 2021**. The individual results for the Second Quarter of 2021 were posted on the District's Summary and Update of **March 29, 2021**. All Summary and Updates are online at the District's website: [District PFAS Summary and Updates | Chelmsford Water District](#). This update and summary includes sampling from third quarter and the start of the fourth quarter.

The Monthly Compliance Sampling and Quarterly results are shown in ppt and special notes (\*):

3 <sup>rd</sup> Quarter Results				2021 Quarterly Average				
Sample Dates:	07-July-21	08-Aug-21	8-Sept-21	Jan-Mar	April-June	July-Sept	Oct-Dec	MADEP MCL
				1st Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr	
CS WTP	25.1	16.1	22.4	14	20	21	TBD	20
RN WTP	16.0	13.5	18.6	13	14	16	TBD	20
SS WTP	8.7	9.4	11.9	9.0	8.0	9.8	TBD	20
4 <sup>th</sup> Quarter Results								
Sample Dates:	10-Oct-21	17-Nov-21	00-Dec-21					
CS WTP	18.4	TBD	TBD					
RN WTP	18.6	TBD	TBD					
SS WTP	11.6	TBD	TBD					
<b>Commissioners</b>				<b>Operations</b>				<b>Administration</b>
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These results require the District to continuing monthly compliance monitoring which was initiated on January 2021. The **Third Quarterly Results of 21 ppt violated the PFAS6 MCL of 20 ppt** but only at the Crooked Spring WTP. This violation is a Tier 2 violation and requires a formal MassDEP approved Public Notice which will be forth coming shortly. The District has submitted a short term action plan for those in the subset of concern. Here is a link to the MCL violation public notice: <https://www.chelmsfordwater.com/pfas/news/pfas-tier-2-public-notice> .

The District's PFAS treatment pilot study performed under the MassDEP PFAS Grant/Reimbursement for Engineering and Design Work for PFAS Remediation, is almost at completion which will result in the best option for treatment at the Crooked Spring WTP. The next phase will be the complete design and construction of additional treatment based on the findings of the pilot study.