



Chelmsford Water District

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Chelmsford Water District PFAS Summary and Update

January 21, 2021

The Chelmsford Water District (the "District") will be providing updates regarding per- and polyfluoroalkyl substances (PFAS). The District will continue to monitor for PFAS in its finished water and will update the public regarding 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

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 20 parts per trillion (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:

Given the impending implementation of a formal Maximum Contamination Limit by MassDEP, the District participated in MassDEP's free PFAS sampling program and proactively started the sampling process in July of 2020. The pre-regulatory sampling round performed in July 2020 detected the following PFAS6 levels:

Site	Date	PFAS6
Crooked Spring WTP	07/29/2020	23.3*
Riverneck Road WTP	07/29/2020	14.5
Smith Street WTP	07/29/2020	8.6

***Even though one sampling location is above the MCL of 20 ppt, a PFAS6 MCL violation has not occurred as violations are usually based on three months of testing.**

These results required a follow up confirmatory process to be initiated. The initial regulatory and confirmatory sampling rounds occurred in November and December 2020. Now that the confirmatory sampling process is complete the District is now releasing the results to inform you of what has and is to transpire next.

	Initial Sample	Confirmatory Sample	Average of Initial and Confirmatory Samples	MassDEP MCL
Site	PFAS6 11/10/20	PFAS6 12/17/20		MassDEP MCL
Crooked Spring WTP	20.7 ppt	11.9 ppt	16.3 ppt	20.0 ppt
Riverneck Road WTP	15.9 ppt	12.1 ppt	14.0 ppt	20.0 ppt
Smith Street WTP*	None	none	NA	20.0 ppt

***Smith St WTP was not operating at the time of sampling and was below 10 ppt on the initial sampling.**

These results require the District to enter into monthly compliance monitoring which was initiated on January 2021 and will continue to be reported on a monthly basis to MassDEP to determine the MCL compliance status.

The District completed and submitted an application for a competitive MassDEP PFAS Grant/Reimbursement for Engineering and Design Work for PFAS Remediation, with legislative support from House members. Although the District currently does not require treatment, its leadership feels strongly that there should be work done on planning for it, should it become necessary.

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