

DUDLEY WATER SYSTEM'S

DRINKING WATER PFAS6 PUBLIC EDUCATION

*This material contains important information about your drinking water.
Please translate it, speak with someone who understands it or ask the contact listed below for a translation.*

The Dudley Water System has not violated the drinking water regulations. A PFAS6 MCL violation occurs when the average of all monthly samples collected over a quarter exceeds the MCL. If our system had violated the PFAS6 Maximum Contaminant Level (MCL) our system would have issued a PUBLIC NOTICE.

On October 2, 2020, Massachusetts Department of Environmental Protection (MassDEP) promulgated a new drinking water regulation and maximum contaminant level (MCL) of 20 nanograms per liter (ng/L) for the sum of six per- and polyfluoroalkyl substances (called PFAS6). The Dudley Water System has confirmed elevated levels of PFAS6 in the drinking water during monitoring. Even though the level is above the MCL, a PFAS6 MCL violation has not occurred as violations are usually based on three months of testing. Instead, we are required to provide you with these materials to make you aware of the elevated levels so you can make informed decisions about your drinking water while we continue to monitor the water supply.

PFAS6 Results

Location of sample	Date of sample		Result (ng/L)	Average (ng/L)*	MCL (ng/L)
Well 03 G	Initial	10/16/20	34	29	20
Well 03 G	Confirmation	12/1/20	23		

*Average = (Initial Result + Confirmation Result) divided by 2.

The location where elevated levels PFAS6 were reported is one of 2 entrance points (or sources) that supplies drinking water to our system. PFAS6 levels were reported below the 20 ng/L MCL at the other location (Well 06G).

PFAS6 includes perfluorooctanoic acid (PFOA), perfluorooctane sulfonic acid (PFOS), perfluorononanoic acid (PFNA), perfluorohexanesulfonic acid (PFHxS), perfluorodecanoic acid (PFDA) and perfluoroheptanoic acid (PFHpA). PFAS are man-made chemicals that have been used in the manufacturing of certain fire-fighting foams, moisture and stain resistant products, and other industrial processes. An MCL is the maximum permissible level of a contaminant in water which is delivered to any user of a public water system. **Some people who drink water containing PFAS6 in excess of the MCL may experience certain adverse effects. These could include effects on the liver, blood, immune system, thyroid, and fetal development. These PFAS6 may also elevate the risk of certain cancers.** For more information on PFAS, see the links below.

What should I do?

For Consumers in a sensitive subgroup

(pregnant or nursing women, infants and people diagnosed by their health care provider to have a compromised immune system)

- **Consumers in a sensitive subgroup (pregnant or nursing women, infants and people diagnosed by their health care provider to have a compromised immune system) are advised not to consume, drink, or cook with water when the level of PFAS6 is above 20 ng/L.**
- **Sensitive subgroups** are advised to use bottled water for drinking and cooking of foods that absorb water (like pasta).
- **For infant formula**, use bottled water or use formula that does not require adding water.
- **Bottled water should only be used if it has been tested.** A list of companies that voluntarily tested their water for PFAS and shared the results can be found on MassDEP's website at: <https://www.mass.gov/doc/bottled-water-tested-for-pfas>.

For all other consumers not in a sensitive subgroup

- **If you are not in a sensitive subgroup**, you may continue to consume the water because the 20 ng/L value is applicable to a lifetime consuming the water and shorter duration exposures present less risk.
- **If you have specific health concerns regarding your past exposure**, you should see the Centers for Disease Control and Prevention's link below and consult a health professional, such as your doctor.

Steps you can take to reduce your intake - Consider taking the following steps while actions are being implemented to address this issue:

- **For older children and adults (not in a sensitive subgroup)**, the 20 ng/L value is applicable to a lifetime of consuming the water. For these groups, shorter duration exposures present less risk. However, if you are concerned about your exposure while steps are being taken to assess and lower the PFAS6 concentration in the drinking water, use of bottled water will reduce your exposure.
- **Home water treatment systems** that are certified to remove PFAS by an independent testing group such as NSF, UL, or the Water Quality Association may be effective in treating the water. These may include point of entry systems, which treat all the water entering a home, or point of use devices, which treat water where it is used, such as at a faucet. For information on selecting home treatment devices that are effective in treating the water for PFAS6. See MassDEP weblinks below.
- **In most situations, the water can be safely used for washing foods, brushing teeth, bathing, and showering.**

Please note: Boiling the water will not destroy PFAS6 and will somewhat increase its level due to evaporation of some of the water.

For more information see the weblinks listed below.

What is being done?

The Dudley Water System has taken the following proactive measures:

- The confirmed PFAS6 concentration detected in Dudley Well 06G is 10 ng/l, which is below the MCL of 20 ng/l. The Dudley Water System is currently implementing changes to the distribution system to allow blending of water from Well 03G with water from Well 06G to reduce PFAS6 concentrations below the 20 ng/l MCL. It is anticipated that this project will be completed in February, 2021.
- Dudley Water will continue to monitor PFAS6 concentrations in the blended water on a monthly basis beginning in January 2021, and you will be notified of any changes.
- We are also investigating treatment options to remove PFAS6.

For more information, please contact George Patrinos at 508-949-8007 or watersewer@dudleyma.gov or 71 West Main Street, Suite 305 Dudley, MA. 01571.

- [MassDEP Fact Sheet - Questions and Answers for Consumers](https://www.mass.gov/media/1854351)
- [MassDEP Fact Sheet - Home Water Treatment Devices - Point of Entry and Point of Use Drinking Water Treatment](https://www.mass.gov/service-details/home-water-treatment-devices-point-of-entry-and-point-of-use-drinking-water) – (<https://www.mass.gov/service-details/home-water-treatment-devices-point-of-entry-and-point-of-use-drinking-water>)
- [CDC ATSDR Information on PFAS for consumers and health professionals](https://www.atsdr.cdc.gov/pfas/index.html) (<https://www.atsdr.cdc.gov/pfas/index.html>)

This public education material is being sent to you by the Dudley Water System. PWS ID#: 2080000 Date distributed: January 5, 2021

Please share this information with other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses).