



City of Wilmington

1165 S. Water Street Wilmington, IL

Phone: 815-476-2175 Fax: 815-476-2276 www.wilmington-il.com

PFAS Notification

Dear Water Customer,

The Illinois Environmental Protection Agency (IEPA) recently tested our water system for compounds known as Per- and Polyfluoroalkyl Substances (PFAS) as part of a statewide investigation of community water supplies. PFAS are a group of thousands of manmade substances that have been produced in the United States since the 1940s and utilized for a variety of applications ranging from water and stain-proofing to firefighting. Some PFAS have been phased out of production due to environmental and human health concerns, yet they persist in the environment and may contaminate surface and groundwater sources.

Neither the IEPA nor the U.S. EPA has yet developed enforceable drinking water standards for PFAS. In the interim, IEPA has developed health-based Drafting Guidance Levels for the small number of PFAS on which there is appropriate information to do so. However, there is not enough information available to scientists to develop health-based Draft Guidance Levels for most PFAS. Draft Guidance Levels are intended to be protective of all people consuming the water over a lifetime of exposure. It is important to understand that Draft Guidance Levels are not regulatory limits for drinking water. Rather, they are benchmarks against which sampling results are compared to determine if additional investigation or other response action is necessary.

IEPA testing has determined that one or more PFAS were detected in our water system at values less than the IEPA health-based Draft Guidance Levels, as provided in the table Below.

PFAS Analyte	Acronym	Draft Guidance Level	Analytical Results
Perfluorobutanesulfonic acid	PFBS4	0.14 mg/L (140,000 ppt)	2.1 Parts Per Trillion (ppt)
Perfluorohexanesulfonic acid	PFHxS	0.00014 mg/L (140 ppt)	Not Detected (ND)
Perfluorononanoic acid	PFNA	0.000021 mg/L (21 ppt)	Not Detected (ND)
Perfluorooctanesulfonic acid	PFOS	0.000014 mg/L (14 ppt)	2.2 Parts Per Trillion (ppt)
Perfluorooctanoic acid	PFOA	0.00000002 mg/L (2 ppt)	Not Detected (ND)
Perfluorohexanoic acid	PFHxA	0.00056 mg/L (560,000 ppt)	6.7 Parts Per Trillion (ppt)
Hexafluoropropylene oxide dimer acid	PFPO-DA	0.0000056 mg/L (560 ppt)	Not Detected (ND)

Our water may contain other PFAS at concentrations greater than or equal to the minimum reporting levels. However, neither the IEPA nor the U.S. EPA currently have Draft Guidance Levels for these additional compounds.

PFAS are present in many consumer goods, including food packaging and personal care products, and scientists have found values of PFAS in the blood of nearly all individuals tested. Exposure to high levels of PFAS may cause adverse health effects such as increased cholesterol levels, increased risk for thyroid disease, low infant birth weights, reduced response to vaccines, pregnancy-induced hypertension, and increased risk of liver and kidney cancer as seen in studies of laboratory animals. Exposure to PFAS above the recommended Draft Guidance Levels does not guarantee that a person will get sick or that an adverse health effect will occur as Draft Guidance Levels are conservative estimates. The possible health effects from PFAS are dependent on how much a person is exposed to and how long they are exposed to it. Exposure to PFAS above recommended Draft Guidance Levels for periods of time may mean that a person is at a greater risk of experiencing these adverse effects.



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In response to the results of this testing, the City of Wilmington is working to protect our drinking water supply by the following:

1. Generate a Notice letter to inform the water consumer about PFAS testing and sampling results.
2. Create PFAS Public Education document to be available on the City of Wilmington's website or by pick up at City Hall.
3. Work with our State Certified Laboratory for future scheduling of quarterly PFAS sampling.
4. Annually review PFAS results to determine appropriate steps to reduce public exposure.

Additional information regarding PFAS, the statewide PFAS investigation network, and the impact to public health can be found in the attached fact sheet as well as on the Illinois EPA PFAS webpage:

<https://www2.illinois.gov/epa/topics/water-quality/pfas/Pages/default.aspx>.

The PFAS sampling results for City of Wilmington are available on Illinois EPA's Drinking Water Watch system at

<http://water.epa.state.il.us/dww/index.jsp>.

If you have questions, please contact:

CWS point of contact

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