

The City of Crest Hill is working closely with the Illinois Environmental Protection Agency (IEPA) as they conduct their statewide initiative to test drinking water from all schools using well water and community water supplies. The test is looking for a group of manmade chemicals called Per-and Polyfluoroalkyl Substances (PFAS). IEPA is taking this precautionary step of testing these drinking water sources to determine if public health actions are needed.

It is not uncommon to find low levels of PFAS in drinking water supplies, as PFAS can be found in fire-fighting foams, stain repellants, nonstick cookware, waterproof clothing, food wrappers, and many other household products. They do not break down in the environment and move easily into water.

Illinois EPA has developed health-based Guidance levels for the small number of PFAS compounds for which there is appropriate information to do so. There is not enough information available to develop health-based guidance levels for most PFAS compounds. Guidance levels are intended to be protective to all people consuming the water over a lifetime of exposure. It is important to understand that Guidance Levels are not regulator limits for drinking water. Rather, the Guidance Levels are benchmarks against which sampling results are compared to determine if additional investigation or other response action is necessary. Illinois EPA testing has determined that three PFAS compounds were detected in our system at values well below the health-based Guidance Levels as show in the table below.

	IEPA Guidance Level (ppt)	Crest Hill Sample	Crest Hill Sample
PFAS Analyte	Level	Results	Results
Perfluorooctanoic Acid (PFOA)	2	15	14

	IEPA Guidance Level (ppt)	Crest Hill Sample	Crest Hill Sample
PFAS Analyte	Level	Results	Results
Perfluorooctanoic Acid (PFOA)	2	2.5	2.2

	IEPA Guidance Level (ppt)	Crest Hill Sample	Crest Hill Sample
PFAS Analyte	Level	Results	Results
Perfluorooctanoic Acid (PFOA)	2	3.1	3.0

	IEPA Guidance Level (ppt)	Crest Hill Sample	Crest Hill Sample
PFAS Analyte	Level	Results	Results
Perfluorooctanoic Acid (PFOA)	2	2.4	2.6

The City of Crest Hill is committed to keep our community updated with PFAS test results as soon as they are available.

To learn more about PFAS, you may visit these websites:

- State of Illinois PFAS website serving as the main resource for public information on PFAS contamination in Illinois www.epa.pfas@illinois.gov
- Agency for Toxic Substances and Disease Registry (ASTDR) website including health information, exposure, and links to additional resources www.atsdr.cdc.gov/pfas
- United States Environmental Protection Agency (U.S. EPA) website including basic information, U.S. EPA actions, and links to informational resources www.epa.gov/pfas

Appendix A

TP01- Sampled

PFAS Analyte (Acronym)	Draft Guidance Level	Sample Results 3/8/2021	Sample Results 4/5/2021
Perfluorobutanesulfonic acid (PFBS)	140,000	34	34
Perfluorohexanesulfonic acid (PFHxS)	140	6.4	5.5
Perfluorooctanoic acid (PFNA)	21	ND	ND
Perfluorooctanesulfonic acid (PFOS)	14	2.7	2.4
Perfluorooctanoic acid (PFOA)	2	15	14
Perfluorohexanoic acid (PFHxA)	560,000	18	17
Hexafluoropropylene oxide dimer acid-(HFPO-DA)	560	ND	ND
Perfluorotetradecanoic acid (PFHpA)	NONE	16	15

Minimum Reporting Level (MRL) = 2.0 ng/L

ND = Not Detected

Nanograms per Liter (ng/L) = Part per Trillion (ppt)

TP03- Sampled

PFAS Analyte (Acronym)	Draft Guidance Level	Sample Results 3/8/2021	Sample Results 4/5/2021
Perfluorobutanesulfonic acid (PFBS)	140,000	2.9	2.5
Perfluorohexanesulfonic acid (PFHxS)	140	11	8.5
Perfluorooctanoic acid (PFNA)	21	ND	ND
Perfluorooctanesulfonic acid (PFOS)	14	2.1	ND
Perfluorooctanoic acid (PFOA)	2	2.5	2.2
Perfluorohexanoic acid (PFHxA)	560,000	3.5	2.8
Hexafluoropropylene oxide dimer acid-(HFPO-DA)	560	ND	ND

Minimum Reporting Level (MRL) = 2.0 ng/L

ND = Not Detected

Nanograms per Liter (ng/L) = Part per Trillion (ppt)

TP05- Sampled

PFAS Analyte (Acronym)	Draft Guidance Level	Sample Results 3/8/2021	Sample Results 4/5/2021
Perfluorobutanesulfonic acid (PFBS)	140,000	8.6	9.9
Perfluorohexanesulfonic acid (PFHxS)	140	ND	ND
Perfluorooctanoic acid (PFNA)	21	ND	ND
Perfluorooctanesulfonic acid (PFOS)	14	ND	ND
Perfluorooctanoic acid (PFOA)	2	3.1	3.0
Perfluorohexanoic acid (PFHxA)	560,000	5.1	5.1
Hexafluoropropylene oxide dimer acid-(HFPO-DA)	560	ND	ND
Perfluorotetradecanoic acid (PFHpA)	NONE	3.2	3.6

Minimum Reporting Level (MRL) = 2.0 ng/L

ND = Not Detected

Nanograms per Liter (ng/L) = Part per Trillion (ppt)

TP06- Sampled

PFAS Analyte (Acronym)	Draft Guidance Level	Sample Results 3/8/2021	Sample Results 4/5/2021
Perfluorobutanesulfonic acid (PFBS)	140,000	3.9	3.7
Perfluorohexanesulfonic acid (PFHxS)	140	4.9	3.8
Perfluorooctanoic acid (PFNA)	21	ND	ND
Perfluorooctanesulfonic acid (PFOS)	14	ND	ND
Perfluorooctanoic acid (PFOA)	2	2.4	2.6
Perfluorohexanoic acid (PFHxA)	560,000	5.7	6.4
Hexafluoropropylene oxide dimer acid-(HFPO-DA)	560	ND	ND

Minimum Reporting Level (MRL) = 2.0 ng/L

ND = Not Detected

Nanograms per Liter (ng/L) = Part per Trillion (ppt)