August 31, 2023

Andrew Kida
Camanche Water Supply
IA2322066
818 7th Ave PO Box 77
Camanche, IA 52730

Gaylon Pewe
Camanche Water Supply
IA2322066
818 7th Ave PO Box 77
Camanche, IA 52730

Dear Andrew Kida and Gaylon Pewe:

Thank you for agreeing to let us collect quarterly samples from your public water system and conduct laboratory analyses for select per- and polyfluoroalkyl substances (PFAS) as part of 3M Company's public water system sampling effort. A map of the sampling locations is included on Figure 1. Table 1 summarizes the results of the sample(s) collected from the public water system (ID # IA2322066) on 6/20/2023. The analytical results of the most recently collected quarterly sample(s) are included in the enclosed laboratory report. PFAS was not detected above the laboratory reporting limits. As a reminder, all sample results will be communicated to you, 3M, EPA, and your state's environmental and/or public health agencies.

Additional Information About PFAS

We also want to provide you with a way to find more information about PFAS. Although neither the United States Environmental Protection Agency (U.S. EPA) nor the State of Illinois or State of Iowa have developed enforceable standards for PFAS in drinking water, they do publish proposed drinking water standards, health advisories and guidance materials. The U.S. Agency for Toxic Substances and Disease Registry (ATSDR),[1] also provides guidance on these issues. The guidance can be found at the following websites:

- U.S. EPA websites: General Information - https://www.epa.gov/pfas; Frequently asked Questions & Answers - https://www.epa.gov/sdwa/questions-and-answers-drinking-water-health-advisories-pfoa-pfos-genx-chemicals-and-pfbs#q6; Proposed drinking water standards: https://www.epa.gov/sdwa/and-polyfluoroalkyl-substances-pfas
- Agency for Toxic Substances and Disease Registry website: https://www.atsdr.cdc.gov/pfas/resources/mrl-pfas.html

[1] ATSDR is a federal public health agency of the U.S. Department of Health and Human Services.

- Illinois Environmental Protection Agency website: https://www2.illinois.gov/epa/topics/water-quality/pfas/Pages/default.aspx
- Iowa Department of Natural Resources website: https://www.iowadnr.gov/idnr/Environmental-Protection/PFAS

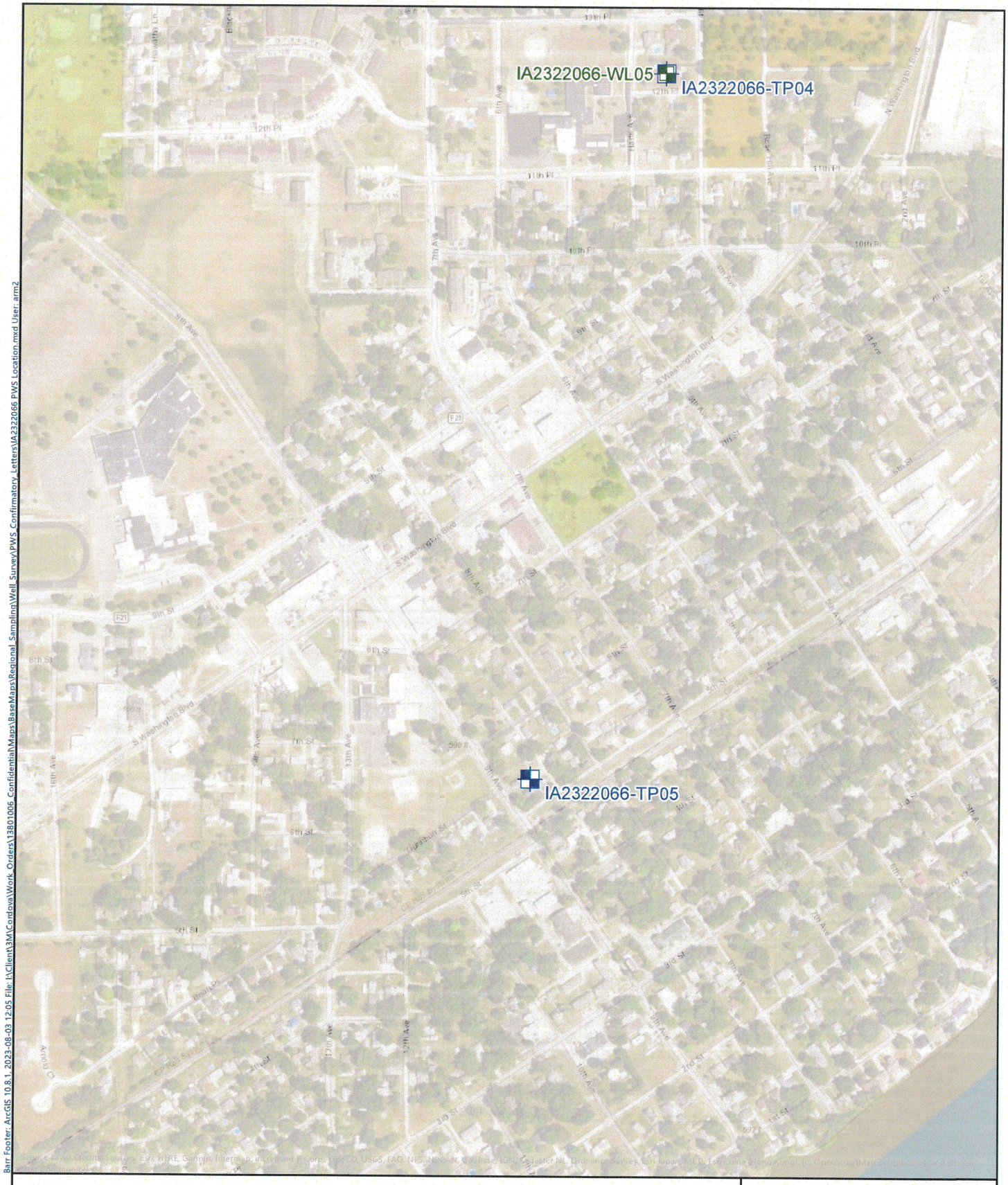
To aid you in interpreting the sampling results, **Table 2** summarizes current proposed drinking water maximum contaminant levels by U.S. EPA and advisory levels from ATSDR and Illinois EPA. The Iowa Department of Health has not adopted independent guidance levels for PFAS.

Lastly, thank you once again for your cooperation. We will continue to coordinate future sampling activities with you and will report the results to you as we receive them.

Sincerely,

Dave Andrews

David Andrews
Cordova Plant Manager
3M Company



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Public Water System Sample Locations

- Treatment Plant/Treated Water (TP) Location
- Well (WL) Location

0 250 500

Feet

CITY OF CAMANCHE
IA2322066
SAMPLE LOCATIONS

FIGURE 1

Table 1
Summary of PFAS Drinking Water Analytical Results
Second Quarter 2023
Camanche Water Supply, IA2322066

Location State ID Sample Date	IA2322066-WL05 27803 6/20/2023	IA2322066-TP04 TP04 6/20/2023	IA2322066-TP05 TP05 6/20/2023
Parameter			
Per- and Polyfluoroalkyl Substances (ng/l)			
Perfluoropentanoic acid (PFPeA)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluorohexanoic acid (PFHxA)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluoroheptanoic acid (PFHpA)	< 3.7 (ND)	< 3.7 (ND)	< 3.8 (ND)
Perfluorooctanoic acid (PFOA)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluorononanoic acid (PFNA)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluorodecanoic acid (PFDA)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluoroundecanoic acid (PFUnA)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluorododecanoic acid (PFDoA)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluorobutanesulfonic acid (PFBS)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluoropentanesulfonic acid (PFPeS)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluorohexanesulfonic acid (PFHxS)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluoroheptanesulfonic acid (PFHpS)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluorooctanesulfonic acid (PFOS)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Hexafluoropropylene oxide dimer acid (HFPO-DA)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Nonafluoro-3, 6-dioxaheptanoic acid (NFDHA)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluoro-4-methoxybutanoic acid (PFMBA)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluoro-3-methoxypropanoic acid (PFMPA)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
1,1,1-Trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (TFSI)	< 1.9 (ND)	< 1.8 (ND)	< 1.8 (ND)
Perfluorobutanoic acid (PFBA)	< 1.8 (ND)	< 1.9 (ND)	< 1.9 (ND)
Perfluoropropionic acid (PFPrA)	< 4.7 (ND)	< 4.6 (ND)	< 4.5 (ND)

Notes:
TP – treatment plant or treated water.
WL – well.
1. All values are expressed in nanograms per liter (ng/l), also referred to as parts per trillion (ppt).

2. ND - not detected. The analyte was not detected above the laboratory reporting limit (RL), which is the lowest concentration the analyte can be reliably measured. Another way of expressing this result is < RL (ND) (e.g., PFOA: < 2.0 (ND) with 2.0 ng/l being the reporting limit).

The data validation process is ongoing for the data provided in this letter. If the final data validation results in a change to what is shown, additional communication will follow.

Table 2
Summary of Proposed Drinking Water Standards and Health Advisories

Constituent	U.S. EPA Proposed Drinking Water MCL[2,3]	IL EPA Advisory[4]	ATSDR MRL[5]
PFOA	4 ppt	2 ppt	78 ppt (adult) and 21 ppt (child)
PFBS	2,000 ppt (or HI = 1)	2,100 ppt	No MRL
PFHxS	9 ppt (or HI = 1)	140 ppt	517 ppt (adult) and 140 ppt (child)
PFOS	4 ppt	14 ppt	52 ppt (adult) and 14 ppt (child)
PFNA	10 ppt (or HI = 1)	21 ppt	78 ppt (adult) and 21 ppt (child)
HFPO-DA	10 ppt (or HI = 1)	21 ppt	No MRL
PFHxA	No MCL	3,500 ppt	No MRL
Other PFAS	No MCL	No Advisory Level	No MRL

Notes:

1. The proposed drinking water standards and health advisories presented in this table are current as of August 29, 2023. The IL EPA Advisory level for PFHxA was revised on April 26, 2023.
2. All values are expressed in parts per trillion (ppt). Parts per trillion can also be expressed as ng/L or nanograms per liter.
3. The U.S. EPA proposed drinking water "maximum contaminant levels" or "MCLs" are proposed levels, which if finalized, are legally enforceable regulatory drinking water standards. Proposed drinking water MCLs are available for six PFAS: PFOA and PFOS as individual contaminants, and PFHxS, PFNA, PFBS, and HFPO-DA as a mixture (see note 3). You can find EPA's "Proposed PFAS National Primary Drinking Water Regulation" at https://www.epa.gov/sdwa/and-polyfluoroalkyl-substances-pfas
4. A Hazard Index (HI) is a commonly used risk management approach for mixtures of chemicals. You can find EPA's description of their proposed approach at https://www.federalregister.gov/documents/2023/03/29/2023-05471/pfas-national-primary-drinking-water-regulation-rulemaking#addresses
5. The IL EPA says: "The guidance levels contained in the Health Advisories represent concentrations in drinking water at which no adverse health effects are expected to occur." https://www2.illinois.gov/epa/topics/water-quality/pfas/Pages/pfas-healthadvisory.aspx. The Advisory value for HFPO-DA can be found at https://www2.illinois.gov/epa/topics/water-quality/pfas/Pages/pfas-statewide-investigation-network.aspx
6. The ATSDR says that it sets the "minimal risk levels" or "MRLs" "well below a value that is likely to cause a health effect." https://www.atsdr.cdc.gov/pfas/resources/mrl-pfas.html