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ELIZABETH S. BISER
Secretary

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Director



NORTH CAROLINA
Environmental Quality

January 19, 2023

TO: CROSS CREEK POA
PO BOX 1420
C/O BRIAN FREDERICK
ROBBINSVILLE, NC, 28771

RE: CROSS CREEK S/D
WATER SYSTEM NUMBER: NC0138107
COUNTY: GRAHAM

Dear Water System Contact,

Thank you for participating in the NC Public Water Supply Section's ongoing voluntary per- and polyfluoroalkyl substances (PFAS) sampling efforts. This email provides your water system's initial results for the sample collected from your water system. The data are presented in the attached spreadsheet.

This notification is intended to give systems time to review the results, to communicate with their customers (including "consecutive" public water systems (PWSs) that purchase water from a "parent" PWS), and to pursue any other actions that are warranted prior to the public release of the data by NC Department of Environmental Quality (NC DEQ). Public release is scheduled for the first half of 2024. In March 2023, the U.S. Environmental Protection Agency (EPA) announced the proposed regulation of six PFAS compounds for public water systems: A Maximum Contaminant Level (MCL) for PFOA and PFOS, at 4 parts per trillion. The proposed rule would also regulate GenX, PFNA, PFHxS and PFBS through the use of a Hazard Index calculation. **Sampling of your system did not show results in exceedance of the draft MCL levels.**

Once the proposed EPA rule becomes final, public water systems will have three years to meet the MCLs. More information on the EPA's proposed Drinking Water Regulation is available here: <https://tinyurl.com/2p96nmnj>.

EPA recommends that PWSs provide consumers with information about the levels of PFAS in their drinking water. North Carolina-specific resources for residents, including information on filtration options and a clinician's memo from NC Division of Health and Human Services on potential PFAS health impacts are available here: <http://deq.nc.gov/understanding-PFAS>.

NC DEQ recommends using these results to consider what steps may be necessary to address PFAS contamination in the future. In the Fact Sheet for Public Water Systems (<https://tinyurl.com/5ckwatfp>), EPA provides steps to limit exposure including closing contaminated wells or changing the rates of blending of water sources, where the available quantity of drinking water is not compromised. Systems may also remove PFAS by installing treatment technologies.

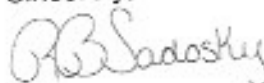
NC DEQ's Division of Water Infrastructure is offering Emerging Contaminants funding for planning and construction projects addressing PFAS in PWSs. You can learn more about funding options here: <https://tinyurl.com/bdh52j9a>. For additional information about available funding, please reach out to Cathy Akroyd (Cathy.Akroyd@deq.nc.gov), Division of Water Infrastructure's Public Information Officer.



North Carolina Department of Environmental Quality | Division of Water Resources
512 North Salisbury Street | 1634 Mail Service Center | Raleigh, North Carolina 27699-1634
919.707.9100

Thank you again for your participation in these sampling efforts that are providing valuable information related to PFAS in North Carolina's drinking water and help us prepare for the upcoming PFAS regulation. If you have any questions please contact Josh Kastrinsky at Josh.Kastrinsky@deq.nc.gov.

Sincerely,



Rebecca Sadosky, Ph.D., Chief
Public Water Supply Section
Division of Water Resources, NCDEQ

Enclosure: Initial PFAS Results Table

cc: ASHEVILLE REGIONAL OFFICE

Water System Name: CROSS CREEK S/D
 Water System Number: NC0138107
 Sampling Date: 10/24/2023

| Full Name of Compound | Short Name | Value [ng/L = ppt] |
|--|------------|--------------------|
| Perfluorooctanoic acid | PFOA | ND |
| Perfluorooctanesulfonic acid | PFOS | ND |
| Hazard Index [unitless] | HI | ND |
| Perfluoro-2-methyl-3-oxahexanoic acid | GenX | ND |
| Perfluorobutane Sulfonic Acid | PFBS | ND |
| Perfluorohexane Sulfonic Acid | PFHxS | ND |
| Perfluorononanoic Acid | PFNA | ND |
| Perfluoro-3-methoxypropanoic acid | PFMOPrA | ND |
| Perfluoro-2-(perfluoromethoxy)propanoic acid | PMPA | ND |
| Perfluoro-2-methoxyacetic acid | PFMOAA | ND |
| Perfluoro-3,5-dioxahexanoic acid | PFO2HxA | ND |
| Perfluoro-3,5,7-trioxaoctanoic acid | PFO3OA | ND |
| Perfluoro-3,5,7,9-butaododecanoic acid | PFO4DA | ND |
| Perfluoro-3,5,7,9,11-pentaododecanoic acid | PFO5DoA | ND |
| Perfluoro-4-isopropoxybutanoic acid | PFESA-G | ND |
| Perfluoro-3,6-dioxa-4-methyl-7-octene-1-sulfonic acid | PFESA BP1 | ND |
| Perfluoro-2-([perfluoro-3-(perfluoroethoxy)-2-propenyl]oxy)ethanesulfonic acid | PFESA BP2 | ND |
| Perfluoro-4-(2-sulfoethoxy)pentanoic acid | PFESA BP4 | ND |
| Fluoro[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2-tetrafluoro-2-sulfoethoxy)propoxy]acetic acid | PFESA BP5 | ND |
| 1,1,2,2-tetrafluoro-2-[(1,1,1,2,3,3,4,4-octafluorobutan-2-yl)oxy]ethane-1-sulfonic acid | PFESA BP6 | ND |
| Perfluoro-3,6-dioxaheptanoic acid | PFESA-B | ND |
| Perfluoro-3-([1-(ethenoxy)propan-2-yl]oxy)propanoic acid | EVE | ND |
| 2,2,3,3-Tetrafluoro-3-([1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl]oxy)propanoic acid | Hydro-EVE | ND |
| R-EVE (4-(2-carboxy-1,1,2,2-tetrafluoroethoxy)-2,2,3,3,4,5,5,5-octafluoro-Pentanoic acid) | R-EVE | ND |
| 1,1,2,2-Tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethanesulfonic acid | NVHOS | ND |
| Perfluoro(2-ethoxyethane)sulfonic acid | PES | ND |
| Perfluoropropanoic acid | PFPrA | ND |
| Perfluorobutanoic Acid | PFBA | ND |
| Perfluoropentanoic Acid | PFPeA | ND |
| Perfluorohexanoic Acid | PFHxA | ND |
| Perfluoroheptanoic Acid | PFHpA | ND |
| Perfluoro(4-methoxybutanoic) acid | PFMOBA | ND |
| Perfluorodecanoic Acid | PFDA | ND |
| Perfluoroundecanoic Acid | PFUnA | ND |
| Perfluorododecanoic Acid | PFDoA | ND |

| | | |
|---|--------------|----|
| Perfluorotridecanoic Acid | PFTriA | ND |
| Perfluorotetradecanoic Acid | PFTA | ND |
| Perfluorohexadecanoic acid | PFHxDA | ND |
| Perfluorooctadecanoic acid | PFODA | ND |
| Perfluoropentane sulfonic acid | PFPeS | ND |
| Perfluoroheptane sulfonic acid | PFHpS | ND |
| 2,3,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid | PEPA | ND |
| Perfluorononanesulfonic acid | PFNS | ND |
| Perfluorodecane Sulfonic Acid | PFDS | ND |
| Perfluorododecane sulfonic acid | PFDoS | ND |
| 4,8-dioxa-3H-perfluorononanoic acid | ADONA | ND |
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid | 9Cl-PF3ONS | ND |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | 11Cl-PF3OUdS | ND |
| 1H,1H,2H,2H-perfluorohexanesulfonate | 4:2 FTS | ND |
| 6:2 Fluorotelomer sulfonate | 6:2 FTS | ND |
| 1H,1H,2H,2H-perfluorodecanesulfonate | 8:2 FTS | ND |
| Perfluorooctane Sulfonamide | PFOSA | ND |
| N-methyl perfluoro-1-octanesulfonamide | NMeFOSA | ND |
| N-ethylperfluoro-1-octanesulfonamide | NEtFOSA | ND |
| N-methyl perfluorooctane sulfonamidoacetic acid | N-MeFOSAA | ND |
| N-ethyl perfluorooctane sulfonamidoacetic acid | NEtFOSAA | ND |
| 2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol | NMeFOSE | ND |
| 2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol | NEtFOSE | ND |

Legend

ND = Non-Detect

ng/L = Nanograms per liter

ppt = Parts per trillion