TOPOS OF WIND

UNITED STATES MARINE CORPS

MARINE CORPS AIR STATION
BEAUFORT, SOUTH CAROLINA 29904-5001

in REPLY REFER TO 5000 Ser N45/# Date

Owner Property # Address Beaufort, SC 29906

Dear Sir or Madam:

SUBJECT: DRINKING WATER SAMPLING RESULTS NEAR MARINE CORPS AIR STATION BEAUFORT

Thank you for recently allowing the Navy and Marine Corps to sample your drinking water well for specific per- and polyfluoroalkyl substances (PFAS). I am writing today regarding the test results of your property's drinking water. The test results are provided in the enclosures to this letter.

The test results have been validated and they confirm that concentrations of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) in your drinking water are below 70 parts per trillion (ppt). The enclosures also provide the test results for other PFAS included in the drinking water test method (EPA Method 537.1) used for this investigation. The Navy and Marine Corps are continuing their PFAS investigations of drinking water under the federal cleanup law and will keep you informed of developments.

On June 15, 2022, the EPA issued new interim drinking water health advisories for PFOA and PFOS. Because these interim health advisories are below detectable limits and are non-regulatory levels, the Department of Defense (DOD) is instead looking to EPA to propose a regulatory drinking water standard, which was anticipated by the end of 2022. DOD is currently evaluating its efforts to address PFAS in drinking water, and what actions we can take to be prepared to incorporate this standard.

The Navy and Marine Corps continue to work in partnership with the South Carolina Department of Health and Environmental Control and the Agency for Toxic Substances and Disease Registry to fulfill our cleanup responsibilities, operating within the law and authorities provided by the federal cleanup law, and clearly communicating and engaging with communities.

We are committed to keeping you informed on developments that may impact you and your neighbors. We will continue to update our public website to keep the public informed about the PFAS investigation as information, research, and regulation from federal, state, or local agencies evolve. The link to the website is https://go.usa.gov/xJgYA.

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Additional resources can be found at the Assistant Secretary of the Navy (Energy, Installations & Environment) and EPA PFAS websites. Both links are provided below:

- ASN (EI&E) https://www.secnav.navy.mil/eie/pages/pfc-pfas.aspx
- EPA https://www.epa.gov/pfas

If you have any health questions or concerns, I encourage you to contact your health care provider. If you have any further questions on the process and our next steps, please contact MCAS Beaufort Public Affairs Office at BFRT_JPAO@usmc.mil or 843-228-6123.

We appreciate your continued understanding and cooperation as we work to ensure that human health and the environment are protected.

Sincerely,

K. R. ARBOGAST Colonel, U.S. Marine Corps Commanding Officer

Enclosures:

- 1. Validated Test Results
- 2. Laboratory Report
- 3. Explanation of Laboratory Report

Enclosure 1 Validated Test Results

| Name: | |
|-----------------|------|
| Address: | |
| Sample ID: | DWXX |
| Date Collected: | |
| Time Collected: | |

Below are the validated test results confirming that perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) in your drinking water are below 70 parts per trillion. These results indicate that no further action by the Navy is required for your property at this time.

Validated Test Results

| Chemical Name | Result (ppt) | 2016 Health Advisory (ppt) | 2022 Interim Updated Health Advisory (ppt) | 2022 Final Health Advisory (ppt) |
|--|-----------------|----------------------------------|---|--|
| Perfluorooctanoic acid (PFOA) | Not Detected | 70 | 0.004 | N/A |
| Perfluorooctane sulfonate (PFOS) | 10 | 70 | 0.02 | N/A |
| Total PFOA+PFOS (sum of detections of PFOA and PFOS) | 10 | 70 | N/A | N/A |
| Perfluorohexanoic acid (PFHxA) | Not Detected | N/A | N/A | N/A |
| Perfluoroheptanoic acid (PFHpA) | Not Detected | N/A | N/A | N/A |
| Perfluorononanoic acid (PFNA) | Not Detected | N/A | N/A | N/A |
| Perfluorodecanoic acid (PFDA) | Not Detected | N/A | N/A | N/A |
| Perfluoroundecanoic acid (PFUnA) | Not Detected | N/A | N/A | N/A |
| Perfluorododecanoic acid (PFDoA) | Not Detected | N/A | N/A | N/A |
| Perfluorotridecanoic acid (PFTrDA) | Not Detected | N/A | N/A | N/A |
| Perfluorotetradecanoic Acid (PFTeDA) | Not Detected | N/A | N/A | N/A |
| n-Methylperfluorooctanesulfonamido-acetic acid (MeFOSAA) | Not Detected | N/A | N/A | N/A |
| n-Ethylperfluoroctanesulfonamido-acetic acid (EtFOSAA) | Not Detected | N/A | N/A | N/A |
| Perfluorobutanesulfonic acid (PFBS) | Not Detected | N/A | N/A | 2,000 |
| Perfluorohexanesulfonic acid (PFHxS) | Not Detected | N/A | N/A | N/A |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | Not Detected | N/A | N/A | 10 |
| 4,8-Dioxa-3H-perfluorononanoic acid (Adona) | Not Detected | N/A | N/A | N/A |
| 11-Chloroeicosafluoro-3-oxaundecane- 1- sulfonic acid (11CI-PF3OUdS) | Not Detected | N/A | N/A | N/A |
| 9-Chlorohexadecafluoro-3-oxanone-1- sulfonic acid (9CI-PF3ONS) | Not Detected | N/A | N/A | N/A |

ppt – parts per trillion (1 ppt = 1 ng/L [nanogram per liter])

N/A – Not available.

J – The reported result is an estimated value.

Enclosure 2: Laboratory Report of Performance Sample



Project Client: Project Name: Project No.:

| Client ID | | MCASB-DWXX-DATE | | | |
|--|-------------|--|-------|-------|------|
| Battelle ID Sample Type Collection Date Extraction Date | | SA | | | |
| Analysis Date Analytical Instrumen % Moisture Matrix Sample Size | t | Sciex 5500 (AC) LC/MS/MS NA WATER 0.269 | | | |
| Size Unit-Basis Analyte | CAS No. | L Result (ng/L) | DL | LOD | LOQ |
| PFHxA | 307-24-4 | ND | 0.758 | 1.63 | 2.32 |
| PFHpA | 375-85-9 | ND | 0.758 | 1.16 | 2.32 |
| PFOA | 335-67-1 | ND | 0.330 | 1.16 | 2.32 |
| PFNA | 375-95-1 | ND | 0.359 | 1.16 | 2.32 |
| PFDA | 335-76-2 | ND | 0.326 | 1.16 | 2.32 |
| PFUnA | 2058-94-8 | ND | 0.301 | 1.16 | 2.32 |
| PFDoA | 307-55-1 | ND | 0.500 | 1.16 | 2.32 |
| PFTrDA | 72629-94-8 | ND | 0.397 | 1.16 | 2.32 |
| PFTeDA | 376-06-7 | ND | 0.408 | 1.16 | 2.32 |
| NMeFOSAA | 2355-31-9 | ND | 0.504 | 1.16 | 2.32 |
| NEtFOSAA | 2991-50-6 | ND | 0.627 | 1.39 | 2.32 |
| PFBS | 375-73-5 | ND | 0.336 | 1.16 | 2.32 |
| PFHxS | 355-46-4 | ND | 0.430 | 1.16 | 2.32 |
| PFOS | 1763-23-1 | 10 | 0.378 | 1.16 | 2.32 |
| HFPO-DA | 13252-13-6 | ND | 0.377 | 1.16 | 2.32 |
| Adona | 919005-14-4 | ND | 0.287 | 0.929 | 2.32 |
| 11Cl-PF3OUdS | 763051-92-9 | ND | 0.336 | 1.16 | 2.32 |
| 9CI-PF3ONS | 756426-58-1 | ND | 0.430 | 1.16 | 2.32 |
| Surrogate Recoverie | s (%) | Recovery | | | |
| 13C2-PFHxA | . , | 92 | | | |
| 13C2-PFDA | | 86 | | | |
| d5-EtFOSAA | | 77 | | | |
| 13C3-HFPO-DA | | 78 | | | |
| | | | | | |

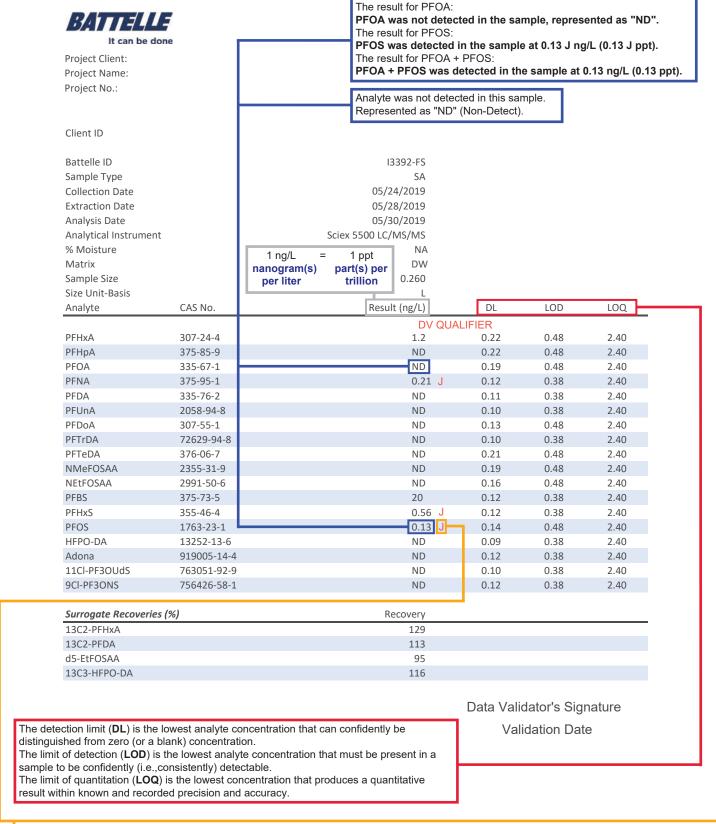
Data Validator's Signature Validation Date

Enclosure 3 (page 1 of 2): Explanation of Laboratory Results

You will notice that the data report comes with several laboratory descriptions that may not be familiar to you. The following definitions of those descriptions may assist you in understanding your sample results:

- Analyte the chemical or substance of interest.
- **CAS No.** (Chemical Abstracts Service Number) a universal system to provide a unique, unmistakable identifier for chemical substances.
- Result (ng/L) the amount of an analyte (chemical or substance of interest) determined to be present in the sample analyzed by the laboratory; the reporting units ng/L (nanograms per liter) is the same as ppt (parts per trillion)
- **Detection Limit (DL)** The lowest analyte concentration that can confidently be distinguished from zero (or a blank) concentration.
- **Limit of Detection (LOD)** The lowest analyte concentration that must be present in a sample to be confidently (i.e., consistently) detectable.
- **Limit of Quantitation (LOQ)** The lowest concentration that produces a quantitative result within known and recorded precision and accuracy.
- Non-Detect (ND) indicates the analyte was not detected.
- Qualifiers (if needed)
 - o "J" (Estimated Value) indicates the value reported for the analyte is above the DL but below the LOQ and was detected. The value reported is considered estimated.

Enclosure 3 (page 2 of 2): Explanation of Lab Results - Example of Lab Report with Definitions and Explanations



This is a data qualifier for this result. Possible qualifiers are:

[&]quot;J" (Estimated Value) - Indicates the value reported for the analyte is greater than the DL but below the LOQ and was detected. The value reported is considered estimated.

[&]quot;B" (Blank) - Indicates the compound also was detected in the method blank.