Additionally, the Navy is requesting property owner permission to take interim actions to address PFAS at two private drinking water wells sampled in 2016 to 2024 where PFAS were detected at or above the DoD PFAS Interim Action Levels for Private Drinking Water Wells (**Table 1**).

2025 PRIVATE DRINKING WATER WELL SAMPLING FOR PFAS

Due to the September 2024 DoD policy, the Navy re-evaluated the 2016–2024 private drinking water well results. Based on this information, the Navy has determined that two private drinking water wells sampled near NAS Oceana contain PFAS at or above the DoD PFAS Interim Action Levels for Private Drinking Water Wells. The Navy is requesting property owner permission to implement interim actions to address PFAS in drinking water at these locations. Interim actions may include connecting to public drinking water or installing drinking water treatment systems.

Additionally, due to improvements in laboratory methods, the Navy is also requesting property owner permission to resample private drinking water wells that were previously sampled. **If your drinking water is provided by the City of Virginia Beach, the Navy does not need to sample your drinking water.**

RESULTS COMMUNICATION

Preliminary drinking water sample results are typically received from the laboratory within approximately 30 days after sample collection. The Navy will call property owners (and tenants, if present) to provide preliminary drinking water sample results. Final drinking water sample results will be mailed to property owners (and tenants, if present) within three months after sample collection.

They will also be available online at: https://www.acq.osd.mil/eie/eer/ecc/pfas/map/pfasmap.html. Individual results will not be linked with the sampled property on this website to ensure continued privacy of property owners and tenants. This website also contains information on the DoD's planned sampling of private drinking water wells for PFAS.

ACTIONS BASED ON RESULTS

The Navy will address PFAS in private drinking water wells in keeping with the DoD policy:

- **PFAS at or above the DoD PFAS Interim Action Levels for Private Drinking Water Wells (Table 1).** The Navy will work with property owners to implement an enduring solution as soon as possible. Options for enduring solutions include connection to public water or installation of a drinking water treatment system. For any private drinking water wells with PFOA and PFOS, individually or combined, above 70 ppt, the Navy will provide bottled water for drinking and cooking to property owners or tenants until a more enduring solution is implemented.
- **PFAS below the DoD PFAS Interim Action Levels for Private Drinking Water Wells (Table 1).** For final remedial actions, the Navy will address PFAS in private drinking water wells down to EPA NPDWR or background levels in accordance with Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) requirements.

The Navy will continue to investigate the presence of PFAS at NAS Oceana in partnership with the Virginia Department of Environmental Quality. To find out more about all on-base environmental investigations, visit https://go.usa.gov/xSvtW.

HEALTH INFORMATION

Federal agencies such as the Agency for Toxic Substances and Disease Registry (ATSDR) and the EPA continue to conduct and support research into health effects associated with PFAS exposure. More information about health effects can be found online at:

ATSDR: https://www.atsdr.cdc.gov/pfas/index.html

EPA: https://www.epa.gov/pfas

FOR MORE INFORMATION ABOUT THIS PRIVATE DRINKING WATER SAMPLING

- Visit our website at https://go.usa.gov/xSvtK or scan the QR code →
- Leave a voicemail at 1-800-931-6118, or
- Send an email to NASOWaterInfo@us.navy.mil

Naval Air Station Oceana
Virginia Beach, Virginia
Private Drinking Water Well Sampling for PFAS

July 2025

The Navy is requesting property owner permission to sample private drinking water wells for per- and polyfluoroalkyl substances, or PFAS, within sampling areas near Naval Air Station (NAS) Oceana.

PFAS have been used in many household and industrial products because of their stain- and water-repellent properties. PFAS are now present virtually everywhere in the world because of the large amounts that have been manufactured and used. Once these compounds are released, many of them tend to stay in the environment for a very long time.

The most common activity associated with the historical release of PFAS to the environment at NAS Oceana (**Figure 1**) is the use of firefighting foam (specifically aqueous film-forming foam, or AFFF). Due to this historical use, PFAS are present in the groundwater on base and have been detected in nearby private drinking water wells located in the direction that groundwater flows away from the base.

SEPTEMBER 2024 POLICY FOR PFAS IN PRIVATE DRINKING WATER WELLS

On April 26, 2024, the United States Environmental Protection Agency (EPA) published a National Primary Drinking Water Regulation (NPDWR) establishing nationwide drinking water standards for certain PFAS under the Safe Drinking Water Act. The regulation applies to public drinking water systems. Operators of public drinking water systems regulated by the NPDWR have until April 26, 2029, to meet these standards. In September 2024, the Department of Defense (DoD) published "Prioritization of Department of Defense Cleanup Actions to Implement the Federal Drinking Water Standards for Per- and Polyfluoroalkyl Substances under the Defense Environmental Restoration Program," which describes DoD's plans to incorporate the EPA's drinking water regulation into DoD's ongoing PFAS cleanups and prioritize actions to address private drinking water wells with the highest levels of PFAS from DoD activities. **Table 1** shows the DoD PFAS Interim Action Levels for Private Drinking Water Wells.

PREVIOUS PRIVATE DRINKING WATER WELL SAMPLING

In 2016 through 2024, the Navy sampled 15 private drinking water wells near NAS Oceana. In one private drinking water well, PFOA and PFOS were detected above 70 parts per trillion (ppt), the DoD action level at the time. The Navy has connected this property to public water.

CURRENT EFFORTS

The Navy is requesting property owner permission to sample any private drinking water wells in the sampling areas near NAS Oceana (**Figure 1**). Due to improvements in laboratory methods, the Navy is also requesting property owner permission to resample private drinking water wells that were previously sampled. The Navy has also determined that the 2016–2024 off-base sampling area near NAS Oceana should be expanded.

Table 1: DoD PFAS Interim Action Levels for Private Drinking Water Wells

PFAS	Level
perfluorooctanoic acid (PFOA)	12 ppt
perfluorooctane sulfonic acid (PFOS)	12 ppt
perfluorononanoic acid (PFNA)	30 ppt
perfluorohexane sulfonic acid (PFHxS)	30 ppt
hexafluoropropylene oxide dimer acid (HFPO-DA, or GenX)	30 ppt
hazard index for mixture of at least two of PFHxS, PFNA, HFPO-DA, and perfluorobutane sulfonic acid (PFBS)	3 (no units)

ppt = part(s) per trillion

These levels are based on current EPA NPDWR levels. If EPA updates applicable requirements, DoD will review and update its policy as appropriate.

PFAS are a family of thousands of different chemicals that have been used in many household and industrial products since the 1950s. The Navy and DoD have developed proactive policies to address past releases of PFAS, including perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS), at installations nationwide.

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Figure 1 – Sampling Area