

**NAVAL AIR STATION JOINT RESERVE BASE WILLOW GROVE**  
**PFOA/PFOS INFORMATION**  
**November 2016**

Perfluorinated chemicals (PFCs) known as perfluorooctane sulfonate (PFOS) and/or perfluorooctanoic acid (PFOA) have been found in drinking water near Naval Air Station Joint Reserve Base Willow Grove. PFCs are also known as perfluoroalkyl substances (PFASs). On May 19, 2016, the Environmental Protection Agency (EPA) issued lifetime health advisory (HA) of 70 nanograms per liter of water (ng/L) or parts-per-trillion (ppt) for both PFOA and PFOS. When both PFOA and PFOS are found in drinking water, the combined concentrations of PFOS and PFOA are compared with the 70 ppt HA. According to the EPA, this HA offers a margin of protection for all Americans throughout their life from adverse health effects resulting from exposure to PFOS and PFOA in drinking water and other sources.

The Navy, in consultation with EPA and the Pennsylvania Department of Environmental Protection (PADEP), established the sampling area for private drinking water wells. Sampling results and understanding of the site groundwater do not support expanding the sampling area. The sampling area and additional PFC information can also be found here:

[http://bracpmo.navy.mil/brac\\_bases/northeast/reserve\\_base\\_willow\\_grove/documents.html](http://bracpmo.navy.mil/brac_bases/northeast/reserve_base_willow_grove/documents.html)

If the private drinking water well sample is above the HA, bottled drinking water is provided as an alternative water supply for drinking and cooking purposes. The Navy will continue to provide bottled water until a permanent remedy is implemented within approximately 12 months. Private drinking water wells which are between 40 and 70 ppt will be re-sampled to monitor that the drinking water remains below the HAs and to obtain additional understanding of groundwater flow. The Navy, through an agreement with the Environmental Protection Agency, has sampled private drinking water wells as follows:

Private wells sampled:	450 (approx.)
Private wells above 70 ppt HA:	85 (approx.)
Private wells 40 - 70 ppt:	70 (approx.)

The Navy has completed a separate agreement with the Horsham Water and Sewer Authority (HWSA) to provide filtration systems at public wells which are above the HA, and connect private drinking water wells above the HA to their system. Further information can be found at the HWSA or Horsham Township informational websites:

<http://horshamwater-sewer.com/>  
<http://www.horsham.org>

Information regarding the adjacent Horsham Air Guard Station's response to PFCs in drinking water is available on this website and/or by calling the 111th Attack Wing's Public Affairs office at 215-323-7177.

<http://www.111attackwing.ang.af.mil/>

The Navy will continue to take aggressive, proactive actions to identify potential release sites, eliminate unacceptable exposures above the lifetime health advisory levels, and protect affected off-site communities in coordination with Township, County, State, and Federal agencies.