



Overview of Drinking Water Expanded Testing Results for Perfluorooctane Sulfonate (PFOS) and Perfluorooctanoic Acid (PFOA) (PFOS/PFOA) in Drinking Water and Follow-On Actions for

Navy Region Northwest

The safety and health of our military and civilian personnel throughout Navy Region Northwest is one of our top priorities. The Navy has proactively developed a requirement to sample the drinking water at areas where prior data on PFOS/PFOA did not exist, specifically: Naval Air Station Whidbey Island (Ault Field and Outlying Field (OLF)); Naval Station Everett installations (Bayview Idaho; LaMoure, North Dakota; NRS Jim Creek; and Pacific Beach); Naval Base Kitsap locations (Zelatched Point and Back Island, Alaska); and Naval Magazine Indian Island.

Currently the U.S. Environmental Protection Agency lists PFOS and PFOA as unregulated or “emerging” contaminants which have no Safe Drinking Water Act regulatory standards or routine water quality testing requirements. PFOS/PFOA are currently being studied by the EPA to determine if regulation is needed. Until a decision on regulating PFOS/PFOA is made, the Navy has proactively implemented a policy to ensure on-base drinking water has not been impacted by PFOS/PFOA contamination.

PFOS and PFOA have been used in a variety of products and substances; the most common historical Navy use of the substances has been as a fire extinguishing surfactant in Aqueous Film-Forming Foam.

Analysis results are provided on the attached table for each of the locations tested. In all but one case, the results of the potable water samples indicate that the PFOS and PFOA were not detected. PFOA was detected in one sample, but below EPA’s Lifetime Health Advisory (LHA). This sample was collected at OLF Coupeville, Bldg. 2807 and the result was 17.5 parts per trillion (ppt), which is well below the EPA’s LHA level of 70 ppt. For reference, one ppt is equivalent to one second in 31,546 years, or one square inch in 250 square miles.

To learn more about the emerging contaminants, PFOS and PFOA, please see the EPA fact sheet at: <https://www.epa.gov/ground-water-and-drinking-water/drinking-water-health-advisories-pfoa-and-pfos>

To answer any questions you may have on the PFOS/PFOA sampling program within Navy Region Northwest, please contact Leslie Yuenger at 360-396-6387.

If you have any health questions or concerns, we encourage you to contact your health care provider.

Table 1: Sampling Results (2016)

CNIC INSTALLATION	SITE NAME / WATER SYSTEM NAME	Name of Water supplier	Sample Date	PFOS (ng/L) ¹	PFOA (ng/L) ¹	COMMENTS
NAS WHIDBEY ISLAND	NAS Whidbey , Coupeville OLF, WA	Navy	9/19/16	ND ²	ND ²	
NAS WHIDBEY ISLAND	NAS Whidbey, Coupeville Trainer, WA	Navy	9/19/16	ND ²	17.5	Health Advisory is 70 ppt. Result flagged as estimated because it was less than the Limit of Quantitation (17.9 ng/L)
NAVBASE KITSAP BREMERTON	Back Island AK	Navy				Sampling target: 10/24/16
NAVBASE KITSAP BREMERTON	Zelatched Point, WA	Navy	9/20/16	ND ²	ND ²	
NAVMAG INDIAN ISLAND	Naval Magazine Indian Island, WA	Jefferson County PUD	9/20/16	ND ²	ND ²	
NAVSTA EVERETT	Bayview ID	Bayview Water & Sewer District	10/24/16			
NAVSTA EVERETT	Pacific Beach, WA	Grays Harbor Dept. of Public Service District	9/19/16	ND ²	ND ²	
NAVSTA EVERETT	US Naval Radio Station (T) Jim Creek, WA	Navy	9/26/16	ND ²	ND ²	
NAVSTA EVERETT	Naval Radio Station LaMoure, ND	Navy	10/24/16			

1. 1 part per trillion (ppt) = 1 nanogram per liter (ng/L).

2. ND means Not Detected