

Summary of PFOS/PFOA Testing to Determine Impact to Drinking Water Systems Off-Installation - AIR FORCE

Summary of DoD Testing of Drinking Water Systems Off-Installation and Actions Taken where Results were Above the EPA LHAs ¹														
DoD Component	Installation	State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems					Off-base Public and Private Drinking Water Wells						
			Total Number Tested	Number that Tested above the EPA LHAs ¹	Results (PFOS/PFOA) or Range above EPA LHAs (ppt)	Actions Taken as of August 31, 2017 ²	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA	Total Number Tested		Number that Tested above the EPA LHAs ¹		Results (PFOS/PFOA) or Concentration Range above EPA LHAs (ppt)	Actions Taken as of August 31, 2017 ²	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA
								Public DW Systems	Private DW Wells	Public DW Systems	Private DW Wells			
Air Force - ACTIVE	Peterson AFB	Colorado						5	83	5	39	70 - 7910 ppt (PFOS+PFOA)	Private well owners provided under-sink (kitchen) reverse osmosis (RO) units. Bottled water is being provided to employees of a shopping center. Low-flow granular activated carbon (GAC) systems installed at one (1) mobile home park and one (1) farm house. One local church was connected to city water. Bottled water is being provided to 52 units in another mobile home park. Five (5) water districts are impacted. Three (3) water districts turned off their wells and are purchasing surface water from another source; the Air Force installed additional piping to convey surface water and an Ion Exchange (IX) system. One water district installed two 500-gpm GAC systems and another water district installed a 300-gpm IX system. One water district remains on bottled water.	Negotiate MOU or Cooperative Agreements with three local municipality; install Ion Exchange filtration systems on public water system or pipe additional wells to existing treatment systems in Summer 2018. Continue to sample wells just below the LHA. Continue to provide bottled water to the 8 homes and the shopping center. Continue to maintain private well treatment systems. Work on more effective system for small mobile home park and farm. Because there are over 30 municipal wells impacted we are still working on making the determination of what the current need is for two of the water districts. The other three water districts should be good by Sep 2018.

Footnotes:
 1: The EPA Lifetime Health Advisories (LHAs) for PFOS and PFOA are 70 parts per trillion (individually or combined).
 2: Examples of actions taken include but are not limited to: sampling and analysis, retesting, shutting down a well(s), providing alternative drinking water, adding an activated carbon filter to the well, and blending water systems.