

Highest Levels of PFAS Contamination in Groundwater at U.S. Military Installations

Facility	State	Maximum Detection of PFAS (parts per trillion)	Type of PFAS in Maximum Detection	Other PFAS Detected	Latest Test
England Air Force Base	Louisiana	20,700,000	PFHxS	PFOS PFOA PFBS PFHpA PFNA	2016
Naval Air Weapons Station China Lake	California	8,000,000	PFOS+PFOA		2017
Patrick Air Force Base	Florida	4,338,000	PFOS+PFOA	PFBS	2017
Myrtle Beach Air Force Base	South Carolina	2,640,000	PFOS+PFOA	PFHxS PFHpA PFBS PFNA	2019
Langley Air Force Base	Virginia	2,225,000	PFOS+PFOA	PFBS	2018
Naval Air Station Jacksonville	Florida	1,397,120	PFOS+PFOA		2018
Niagara Falls Air Reserve Station	New York	1,310,000	PFOS+PFOA	PFBS	2018
Grand Prairie Armed Forces Reserve Complex	Texas	1,247,000	PFOS+PFOA		2018
Altus Air Force Base	Oklahoma	1,150,000	PFOS+PFOA	PFHxS 6:2 FTS PFHxA PFBS 8:2 FTS PFDA PFTrDA PFNA PFDoA PFUnA	2017
Charleston Air Force Base	South Carolina	1,150,000	PFOS+PFOA	PFBS	2018
Barksdale Air Force Base	Louisiana	1,100,000	PFOS	PFOA PFHxS PFBS PFHxA 8:2 FTS NETFOSAA NMeFOSAA 6:2 FTS PFTrDA PFUnA PFNA	2019
Naval Construction Battalion Center Port Hueneme	California	1,080,000	PFOS+PFOA		2017
Plattsburgh Air Force Base	New York	1,045,000	PFOS+PFOA	PFHxS PFHpA PFBS PFHxA PFDA PFDoA PFNA PFTeA PFTrDA PFUnA NETFOSAA NMeFOSAA	2018
Mather Air Force Base	California	910,000	PFOS+PFOA	PFHxS PFBS PFHpA PFNA	2019
Tyndall Air Force Base	Florida	902,460	PFOS+PFOA	PFBS	2018



Sheppard Air Force Base	Texas	850,000	PFHxS	PFHxA PFOS PFBS PFPeA PFOA PFBA PFHpA PFNA PFDA PFDS PFOSA PFDoA PFTeA PFTrDA 6:2 FTS 8:2 FTS PFOSA	2019
Columbus Air Force Base	Mississippi	810,700	PFOS+PFOA	PFBS PFHxS PFHxA 6:2 FTS PFHpA 8:2 FTS PFNA PFDA PFDoA PFTeA PFTrDA PFUnA	2018
Chanute Air Force Base	Illinois	806,000	PFHxS	PFOS PFOA PFBS PFHpA PFHxA PFNA NETFOSAA NMeFOSAA PFDA PFDoA PFTrDA PFUnA	2018
Marine Corps Air Station Tustin	California	770,000	PFOS+PFOA		2017
Joint Base San Antonio	Texas	767,000	PFOS+PFOA	PFBA PFBS PFPeA PFHxA PFHxS 6:2 FTS PFHpA PFOSA 8:2 FTS PFNA	2018
Travis Air Force Base	California	712,000	PFOS+PFOA	PFBS	2018
Dyess Air Force Base	Texas	702,000	PFHxS	PFBS 6:2 FTS 8:2 FTS PFBA PFHpA PFHxS PFHxA PFNA PFOSA PFPeA	2017



Eglin Air Force Base	Florida	552,200	PFOS+PFOA	PFBS	2019
Ellsworth Air Force Base	South Dakota	551,000	PFOS+PFOA		2016
MacDill Air Force Base	Florida	523,710	PFOS+PFOA	PFBS 6:2 FTS 8:2 FTS PFDA PFHpA PFHxS PFHxA PFNA PFUnA	2018
Naval Air Station Oceana	Virginia	493,600	PFOS+PFOA		2016
Minot Air Force Base	North Dakota	453,000	PFOS+PFOA	PFBS 6:2 FTS 8:2 FTS PFBA PFHpA PFHxS PFHxA PFNA PFOSA PFPeA	2019
Fort Smith Municipal Airport*	Arkansas	412,000	PFOS+PFOA	PFHxS PFHpA PFBS PFNA	2018
Klamath Falls International Airport*	Oregon	401,000	PFOS+PFOA	PFHxS PFBS PFHpA PFNA	2018
Moody Air Force Base	Georgia	375,000	PFOS+PFOA	PFBS	2016
Westover Air Reserve Base	Massachusetts	360,000	6:2 FTS	6:2 FTS 8:2 FTS PFBS PFBA PFHpA PFHxS PFHxA PFNA PFPeA PFOSA	2018
Eaker Air Force Base	Arkansas	359,000	PFHxS	PFOS PFOA PFHxA PFBS PFHpA NETFOSAA NMeFOSAA PFDA PFDoA PFTeA PFUnA PFNA	2018
Jacksonville International Airport*	Florida	337,000	PFOS+PFOA	PFHxS PFHpA PFNA PFBS	2018
Naval Air Station Alameda	California	336,000	PFOS+PFOA		2017



Eielson Air Force Base	Alaska	334,200	PFOS+PFOA	PFHxS PFHxA PFBS 6:2 FTS 8:2 FTS PFNA PFDaA PFTrDA PFUnA PFDA PFTeA	2018
Horsham Air Guard Station	Pennsylvania	329,500	PFOS+PFOA	PFHxS PFBS PFHpA PFNA	2019
Vance Air Force Base	Oklahoma	329,000	PFOS+PFOA	PFHxS 6:2 FTS PFHxA PFBS PFHpA PFNA 8:2 FTS PFTrDA	2018
Seymour Johnson Air Force Base	North Carolina	312,000	PFOS+PFOA	PFBS 6:2 FTS 8:2 FTS PFBA PFHpA PFHxS PFHxA PFNA PFOSA PFPeA	2017
Dover Air Force Base	Delaware	290,000	PFOS+PFOA	PFBS	2017
Edwards Air Force Base	California	277,000	PFOS+PFOA	PFBS	2018
Robins Air Force Base	Georgia	276,000	PFOS+PFOA	PFBS	2018
Joint Base McGuire-Dix-Lakehurst - McGuire	New Jersey	264,000	PFOS+PFOA	PFBS PFNA	2019
Galena Air Force Base	Alaska	257,710	PFOS+PFOA	PFHxS PFHxA PFBS PFHpA PFDA	2018
Naval Air Station South Weymouth	Massachusetts	256,000	PFOS+PFOA		2018
Joe Foss Field Air National Guard Base	South Dakota	255,100	PFOS+PFOA	PFHxS PFBS PFHpA PFNA	2018
Naval Research Laboratory Chesapeake Bay Detachment	Maryland	241,110	PFOS+PFOA		2018
Shaw Air Force Base	South Carolina	210,000	6:2 FTS	PFBS PFOA 8:2 FTS PFBA PFHpA PFHxS PFHxA PFNA PFPeA PFOS	2019
Buckley Air Force Base	Colorado	205,000	PFOS+PFOA	PFBS	2019



Randolph Air Force Base	Texas	182,000	PFOS+PFOA	PFBS 6:2 FTS 8:2 FTS PFBA PFPeA PFOSA PFHpA PFHxS PFHxA PFNA PFDA	2018
Arnold Air Force Base	Tennessee	175,000	PFOS+PFOA	PFHxS PFHxA PFBS 6:2 FTS PFUnA PFNA 8:2 FTS NETFOSAA NMeFOSAA PFDaA	2019
Peoria International Airport*	Illinois	171,000	PFHxS	PFOS PFBS PFOA PFHpA PFNA	2018
Tinker Air Force Base	Oklahoma	170,000	PFOS+PFOA		2017
Fairchild Air Force Base	Washington	167,000	PFOS+PFOA	6:2 FTS PFHxS PFHxA PFBS 8:2 FTS PFHpA PFNA PFDA NETFOSAA PFUnA NMeFOSAA PFTTrDA PFDaA	2019
Vandenberg Air Force Base	California	158,200	PFOS+PFOA	PFBS 6:2 FTS 8:2 FTS PFHpA PFHxS PFHxA PFNA	2019
Hancock Field Air National Guard Base	New York	139,500	PFOS+PFOA	PFHxS PFNA PFBS PFHpA	2019
Salt Lake City International Airport*	Utah	139,000	PFOS+PFOA	6:2 FTS 8:2 FTS PFBS PFBA PFHpA PFHxS PFHxA PFNA PFOSA PFPeA	2018
F.E. Warren Air Force Base	Wyoming	136,000	PFOS+PFOA	PFBS	2018



General Mitchell International Airport*	Wisconsin	135,000	PFHxS	PFOS PFOA PFBS PFHpA PFNA	2019
Naval Air Station Pensacola	Florida	126,300	PFOS+PFOA		2017
Maxwell-Gunter Air Force Base	Alabama	122,000	PFOS+PFOA	PFBS 6:2 FTS PFHxS PFHxA	2019
US Army Reserve Fort McCoy	Wisconsin	120,000	PFOS+PFOA		2017
Reno Tahoe International Airport*	Nevada	119,700	PFOS+PFOA	PFHxS PFHpA PFBS PFNA	2018
K.I. Sawyer Air Force Base	Michigan	110,000	PFHxS	PFOA PFHpA PFOS PFBS PFHxA PFNA PFDA PFDxA NETFOSAA NMeFOSAA PFTTrDA PFUnA	2018
Hurlburt Field Air Force Base	Florida	109,830	PFOS+PFOA	PFBS 6:2 FTS 8:2 FTS PFDA PFHpA PFHxS PFHxA PFNA	2018
Air Force Plant 6	Georgia	98,000	PFOS+PFOA	PFBS	0
Pease Air Force Base	New Hampshire	96,900	PFOS+PFOA		2017
Cheyenne Municipal Airport*	Wyoming	94,400	PFOS+PFOA	PFHxS PFBS PFHpA PFNA	2018
Seneca Army Ammunition Plant	New York	89,000	PFOS+PFOA		2018
Whiteman Air Force Base	Missouri	89,000	PFOS+PFOA	6:2 FTS 8:2 FTS PFBS PFBA PFHpA PFHxS PFHxA PFNA PFPeA	2018
Fort Meade	Maryland	87,000	PFOS+PFOA		2018
Alpena County Regional Airport*	Michigan	82,000	PFOS+PFOA	6:2 FTS PFHxA PFPeA PFNA PFHpA PFBS 8:2 FTS	2018



Keesler Air Force Base	Mississippi	80,819	PFOS+PFOA	PFBS 6:2 FTS 8:2 FTS PFDA PFHpA PFHxS PFHxA PFNA PFUnA	2018
Dobbins Air Force Base	Georgia	80,770	PFOS+PFOA	PFHpA 6:2 FTS PFHxA PFBS	2018
Wurtsmith Air Force Base	Michigan	79,772	PFOS+PFOA	PFHxS PFHxA PFHpA PFBS PFNA PFBA PFDA NETFOSAA NMeFOSAA PFUnA PFTeA	2018
Hector Field International Airport*	North Dakota	79,000	PFHxS	PFOS PFOA PFHpA PFBS PFNA	2018
Naval Air Station Pensacola (Saufley Field)	Florida	79,000	PFOS+PFOA		2017
Fort Eustis	Virginia	77,600	PFOS+PFOA	PFBS	2017
Gulfport Regional Airport*	Mississippi	77,600	PFOS+PFOA	PFHxS PFHpA PFBS PFNA	2019
Kelly Air Force Base	Texas	77,200	PFHxS	PFOA PFBS PFOS PFHpA PFNA	2017
W.K. Kellogg Airport	Michigan	76,000	PFOS+PFOA	PFHxS PFHpA PFNA PFBS	2018
Burlington International Airport*	Vermont	72,000	PFOS+PFOA	6:2 FTS PFBS PFHxS PFPeA PFHpA 8:2 FTS PFHxA	2018
Key Field Air National Guard Base	Mississippi	71,100	PFOS+PFOA	PFHxS PFBS PFHpA PFNA	2019
US Naval Academy	Maryland	70,000	PFOS+PFOA		2018
Tulsa International Airport*	Oklahoma	69,000	PFHxS	PFOS PFHpA PFBS PFOA PFNA	2018



Easten West Virginia Regional Airport*	West Virginia	64,600	PFOS+PFOA	PFHxS PFHpA PFBS PFNA	2018
Griffiss Air Force Base	New York	61,233	PFOS+PFOA		2018
Ellington Field Joint Reserve Base	Texas	61,000	PFOS+PFOA	PFHxS PFBS PFHpA PFNA	2018
Rickenbacker Air Force Base	Ohio	60,200	PFOS+PFOA	PFHxS PFHxA PFHpA PFBS PFNA PFDA PFTeA	2018
Naval Air Station Whidbey Island - Ault Field	Washington	58,922	PFOS+PFOA		2016
Battle Creek Air National Guard Base	Michigan	55,000	PFOS	PFHxS PFOA	2018
Naval Auxiliary Landing Field Fentress	Virginia	52,900	PFOS+PFOA		2016
New Castle Airport	Delaware	47,900	PFHxS	PFOS PFBS PFOA PFHpA PFNA	2019
Toledo Express Airport*	Ohio	47,690	PFOS+PFOA	PFHxS PFBS PFHpA PFNA	2019
Birmingham International Airport*	Alabama	45,230	PFOS+PFOA	PFHxS PFHpA PFBS PFNA	2019
Hanscom Air Force Base	Massachusetts	44,360	PFOS+PFOA	PFBS PFBA 6:2 FTS 8:2 FTS PFHpA PFHxA PFHxS PFNA	2018
Portland International Airport*	Oregon	42,970	PFOS+PFOA	PFHxS PFBS PFHpA PFNA	2019
Rosecrans Memorial Airport*	Missouri	39,100	PFOS+PFOA	PFHxS PFBS PFHpA PFNA	2019
Chittenden County National Guard Base	Vermont	38,000	PFOS	PFOA	2016
Joint Base Andrews	Maryland	34,500	PFOS+PFOA	PFBS	2019
Des Moines International Airport*	Iowa	33,000	PFHxS	PFOS PFBS PFOA PFHpA PFNA	2019

Source: EWG, from Department of Defense reports, Freedom of Information Act requests and information collected by the Social Science Environmental Health Research Institute at Northeastern University.

All detections were in on-base groundwater. Suspected source of all detections is PFAS-based firefighting foam.

*Civilian airports that host Air National Guard units.

