Notes	Detected PFAS Sites	AF QA
	Row Labels	
Not on other lists	Aberdeen Proving Ground (Michaelsville Landfill)	Not on list
Not on other lists	Adam's Plating	Not on list
Not on other lists	Air Force Plant 4	On List
Not on other lists	Air Force Plant PJKS (former)	Not on list
On Navy-USMC List	Alameda Naval Air Station	Not on list
On Air Force List	Altus AFB	Not on list
Not on other lists	American Cyanamid	On List
Not on other lists	Andrews Air Force Base	Not on list
Not on other lists	Army Creek Landfill	On List
Not on other lists	Arrowhead Associates, Inc./Scovill Corp.	On List
Not on other lists	Barksdale AFB	On List
On Navy-USMC List	Barstow Marine Corps Logistics Base	On List
Not on other lists	Beede Waste Oil	Not on list
Not on other lists	Bennington Municipal Sanitary Landfill	On List
On Air Force List	Bergstrom AFB	On List
Not on other lists	Blades, DE Groundwater	Not on list
Not on other lists	Brandywine DRMO	On List
Not on other lists	Brunswick Naval Air Station	On List
Not on other lists	Burgess Brothers Landfill	On List
Not on other lists	Camp Lejeune	On List
On Navy-USMC List	Camp Pendleton Marine Corps Base	On List
On Air Force List	Castle Air Force Base (6 Areas)	Not on list
On Air Force List	Chanute Air Force Base	Not on list
Not on other lists	Charles George Reclamation Trust Landfill	On List
Not on other lists	Chase Field	On List
Not on other lists	Chem-Fab	On List
Not on other lists	Chemours/DuPont Washington Works	Not on list
Not on other lists	Coakley Landfill	Not on list
Not on other lists	Colesville Landfill	On List
Not on other lists	Commerce Street Plume	Not on list
On Navy-USMC List	Corpus Christi Naval Air Station	Not on list
On Navy-USMC List	Dallas Naval Air Station	On List
Not on other lists	Defense General Supply Center (DLA)	On List
Not on other lists	Delaware National Guard	Not on list
Not on other lists	Delaware Sand & Gravel Landfill	Not on list
Not on other lists	Dewey Loeffel Landfill	On List
On Air Force List	Dover Air Force Base	Not on list
Not on other lists	Edwards Air Force Base	Not on list
Not on other lists	Eilson AFB	Not on list
On Navy-USMC List	El Toro Marine Corps Air Station	On List
Not on other lists	Elemendorf AFB	Not on list
On Air Force List	Ellsworth Air Force Base	On List

Air Force	DLA QA	DLA	Army QA
Barnes ANGB (104th)	Not on List	DFSP Newington[4]	Not On List
Eielson AFB	Not on List	DFSP Verona[4]	Not On List
Gabreski ANGB (106th)			Not On List
Harrisburg IAP (ANG) (193rd)			Not On List
Horsham AGS (AGS) (111th)			On List
Kunsan AB			Not On List
Mountain Home AFB			Not On List
New Boston AFS			Not On List
New Castle ANGB (166th)			Not On List
Pease ANGB (157th)			Not On List
Wright-Patterson AFB			Not On List
Dover AFB			Not On List
Eielson AFB			Not On List
Ellsworth AFB			Not On List
Fairchild AFB			Not On List
Former KI Sawyer AFB			On List
Former March AFB			Not On List
Former Mather AFB			Not On List
Former Pease AFB			On List
Former Plattsburgh AFB			On List
Former Wurtsmith AFB			On List
Horsham AGS (AGS) (111th)			On List
Joint Base Cape Cod			On List
Joint Base McGuire- Dix-Lakehurst			
Peterson AFB			
Altus AFB			
Beale AFB			
Cape Canaveral AFS			
Dover AFB			
Eglin AFB			
Eielson AFB			
Ellsworth AFB			
FE Warren AFB			
Hill AFB			
Joint Base Cape Cod (Massachusetts Military Reservation)			
Joint Base Langley-Eustis			
Joint Base San Antonio - Lackland, Randolph, Ft Sam Houston, Camp Bullis			
Moody AFB			
Patrick AFB			
Peterson AFB			
Robins AFB			
Tinker AFB			

Army	Navy QA
81st RSC: E. Earle Rives AFRC	On List
99th RSC Martinsburg Memorial USARC	Not On List
Fort Hunter Liggett	Not On List
Ft. Leavenworth	Not On List
JB Lewis-McChord: Fort Lewis Cantonment	On List
Soto Cano AB, HN	Not On List
USAG Daegu, KR Camp Carroll	On List
USAG Daegu, KR Camp Walker	Not On List
USAG Red Cloud, KR: Camp Red Cloud	Not On List
USAG Red Cloud, KR: Camp Stanley	On List
USAG Benelux - Caserne Daumerie, BE	On List
Belmont Armory	On List
El Campo	Not On List
Camp Grayling Joint Maneuver Training Center	On List
Mtc-H Camp Grayling3	Not On List
Devens3	On List
Fort Drum	On List
Fort McCoy	On List
Fort Meade	Not On List
Fort Ord	On List
Letterkenny Army Depot	Not On List
North Penn U.S. Army Reserve Center	Not On List
Seneca Army Ammunition Plant3	Not On List
	Not On List
	On List
	Not On List
	Not On List
	Not On List
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	On List

Navy-USMC

NAS Oceana - NALF Fentress
NSA Monterey - Naval Radio Transmitter Facility Dixon
NSF Diego Garcia
Weapons Station Seal Beach- NOSC Moreno

Marine Forces Reserve (MARFORRES)-Marine Corps Reserve Training Center (MCRTC) Stewart
MARFORRES-MCRTC Wilmington
MCB Camp Pendleton (South)
Naval Base Kitsap - NARL Barrow
Agana
NAS Oceana - NALF Fentress
NAS Whidbey Island - Ault Field (Private)
NAS Whidbey Island - OLF Coupeville (Private)
NAS Whiting Field (Main Base)

NMC Earle

Warminster (Private)
Willow Grove (Private)
Willow Grove (Public)
MCLB Barstow
Agana
Alameda
Amchitka Alaska
Annapolis
Barrow
Bedford Massachusetts Naval Weapons Industrial Reserve Plant
Brunswick
Calverton
Chesapeake Beach
China Lake
Corpus Christi Texas Naval Air Station
Cutler
Dallas
Earle
Gulfport
Jacksonville
Meridian
Millington
Naval Air Station Whidbey Island (Ault field)

Naval Air Station Whidbey Island (OLF Coupeville)
Naval Auxiliary Landing Field Fentress (Oceana)
NAS Oceana
Newport
Norfolk Virginia Naval Base

On Air Force List	England AFB	On List
On Air Force List	F.E. Warren Air Force Base	Not on list
On Air Force List	Fairchild Air Force Base (4 Waste Areas)	On List
Not on other lists	Federal Aviation Administration Technical Center	On List
On Navy-USMC List	Fentress	On List
On Air Force List	Fort Dix (Landfill Site)	On List
On Army List	Fort Eustis (US Army)	Not on list
On Army List	Fort George G. Meade	Not on list
On Army List	Fort Ord	On List
Not on other lists	Fort Richardson	On List
Not on other lists	Fort Riley	On List
Not on other lists	Fort Wainwight	On List
On Army List	Ft. Devens	Not on list
On Army List	Ft. Devens Sudbury Training Annex	On List
On Air Force List	Gabreski Air National Guard Base	On List
Not on other lists	Garfield Ground Water Contamination	On List
On Air Force List	George Air Force Base	On List
On Air Force List	Griffiss Air Force Base (11 Areas)	Not on list
Not on other lists	Hanscom Field/Hanscom Air Force Base	On List
Not on other lists	Helen Kramer Landfill	On List
On Army List	Joint Base Lewis-McChord	Not on list
Not on other lists	Kearsarge Mettalurgical Corporation	On List
Not on other lists	Keddy Mills	
Not on other lists	Keefe Enivronmental Services	
On Air Force List	Kelly AFB	
Not on other lists	Kocher Drive Dump	
Not on other lists	Landfill & Resource Recovery Inc. (L&RR)	
On Air Force List	Langley Air Force Base/NASA Langley Research Center	
On Army List	Letterkenny Army Depot (PDO Area)	
On Army List	Letterkenny Army Depot (SE Area)	
Not on other lists	LL & S Landfill	
On Air Force List	Loring Air Force Base	
On Air Force List	March Air Force Base	
Not on other lists	Martin Aaron INC	
On Air Force List	Mather Air Force Base (AC&W Disposal Site)	
Not on other lists	MCAS Cherry Point	
On Air Force List	McClellan Air Force Base (Ground Water Contamination)	
On Air Force List	McGuire Air Force Base #1	
Not on other lists	Merrimack Landfill	
Not on other lists	Middletown Air Field	
Not on other lists	Moses Lake Wellfield Contamination	
Not on other lists	Mottolo Pig Farm	
On Air Force List	Mountain Home Air Force Base	
Not on other lists	NASA Wallops Island	
Not on other lists	Naval Air Development Center (8 Waste Areas)	
Not on other lists	Naval Air Engineering Center	
On Navy-USMC List; Several Sites	Naval Air Station, Whidbey Island	

Travis AFB
Horsham
Former Bergstrom AFB
Former Castle AFB
Former Chanute AFB
Former England AFB
Galena Forward Operating Location
General Mitchell Air Reserve Station
Former George AFB
Former Griffiss AFB
Former Grissom AFB
Former Kelly AFB
Former K.I. Sawyer AFB
Former Loring AFB
Former March AFB
Former Mather AFB
Former McClellan AFB
Former Myrtle Beach AFB
Former Pease AFB
Former Plattsburgh AFB
Former Richards-Gebaur AFB
Former Wurtsmith AFB

Not On List
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NAS Pensacola (Outlying Landing Field Bronson)
Pensacola
Port Hueneme
Portsmouth Naval Shipyard
NAS Pensacola; OLF Saufley Field
South Weymouth
Treasure Island
Trenton
Warminster
White Oak - Naval Surface Warfare Center Dahlgren Division Detachment (Silver Spring)
Willow Grove
Barstow
El Toro Marine Corps Air Station
Tustin
Twentynine Palms
Yuma

Not on other lists	Naval Weapons Industrial Reserve Plant
On Navy-USMC List; Several Sites	Naval Weapons Station Earle
On Air Force List	New Castle Groundwater Plume
Not on other lists	New Hampshire Plating CO.
On Navy-USMC List	Newport Naval Education & Training Center
On Navy-USMC List	Norfolk Naval Base (Sewells Point Naval Complex)
On Navy-USMC List	Norfolk Naval Shipyard
On Army List	North Penn - Area 5
Not on other lists	Oakdale Dump
Not on other lists	Onondaga Lake
Not on other lists	Orange Valley Regional Ground Water Contamination
Not on other lists	Otis Air National Guard/Camp Edwards
Not on other lists	Parris Island Marine Corps Recruit Depot
Not on other lists	Patuxent River Naval Air Station
On Air Force List	Pease Air Force Base
On Air Force List	Peterson AFB
Not on other lists	Picatinny Arsenal
On Air Force List	Plattsburgh Air Force Base
On Navy-USMC List	Portsmouth Naval Shipyard
Not on other lists	Pownal Tannery
Not on other lists	Pownal Tannery, Dean Road
Not on other lists	Pownal Tannery, Lagoon Area
Not on other lists	Precision Plating Corp.
Not on other lists	Reese AFB
Not on other lists	S. Burlington Air Guard (offsite)
Not on other lists	Saint-Gobain Performance Plastics
On Army List	Seneca Army Depot
Not on other lists	Shepherd Field Air National Guard Base
Not on other lists	Solvents Recovery Services (SRS)
Not on other lists	Souhegan Regional Landfill
On Navy-USMC List	South Weymouth Naval Air Station
Not on other lists	State Disposal Landfill, Inc.
On Navy-USMC List	Stewart Air National Guard Base
Not on other lists	Sugerloaf Fire District
On Air Force List	Tinker Air Force Base (Soldier Creek/Building 3001)
Not on other lists	Tobyhanna Army Depot
On Air Force List	Travis Air Force Base
Not on other lists	Tyndall Air Force Base
Not on other lists	Union Chemical Co., Inc.
On Navy-USMC List	USN Naval Air Stn Oceana
Not on other lists	Valmont TCE Site (Former - Valmont Industrial Park)
Not on other lists	Warren Wire (WW) #1 - Fire District 2 Well
Not on other lists	Warren Wire Plant #3 (Former)
Not on other lists	Washington County Landfill
Not on other lists	Washington Navy Yard
Not on other lists	Western Sand and Gravel
Not on other lists	Williams Air Force Base

On Navy-USMC List	Willow Grove Air Guard Station
On Navy-USMC List	Willow Grove NAS
Not on other lists	Wolverine Worldwide Former Tannery
On Air Force List	Wright Patterson Air Force Base
On Air Force List	Wurtsmith AFB
On Navy-USMC List	Yuma Marine Corps Air Station
	Grand Total

Missing Sites

Navy-USMC
NSA Monterey - Naval Radio Transmitter Facility Dixon
NSF Diego Garcia
Weapons Station Seal Beach- NOSC Moreno
MARFORRES-MCRTC Wilmington
Naval Base Kitsap - NARL Barrow
Agana
NAS Whiting Field (Main Base)
Warminster (Private)
Agana
Amchitka Alaska
Annapolis
Barrow
Bedford Massachusetts Naval Weapons Industrial Reserve Plant
Calverton
Chesapeake Beach
China Lake
Cutler
Gulfport
Jacksonville
Meridian
Millington
NAS Pensacola (Outlying Landing Field Bronson)
Pensacola
Port Hueneme
NAS Pensacola; OLF Saufley Field
Treasure Island
Trenton
Warminster
White Oak - Naval Surface Warfare Center Dahlgren Division Detachment (Silver Spring)
Tustin
Twentynine Palms

Army	DLA	AirForce
81st RSC: E. Earle Rives AFRC	DFSP Newington[4]	Barnes ANGB (104th)
99th RSC Martinsburg Memorial USARC	DFSP Verona[4]	Eielson AFB
Fort Hunter Liggett		Harrisburg IAP (ANG) (193rd)
Ft. Leavenworth		Horsham AGS (AGS) (111th)
Soto Cano AB, HN		Kunsan AB
USAG Daegu, KR Camp Carroll		New Boston AFS
USAG Daegu, KR Camp Walker		Eielson AFB
USAG Red Cloud, KR: Camp Red Cloud		Former KI Sawyer AFB
USAG Red Cloud, KR: Camp Stanley		Horsham AGS (AGS) (111th)
USAG Benelux - Caserne Daumerie, BE		Joint Base Cape Cod
Belmont Armory		Beale AFB
El Campo		Cape Canaveral AFS
Camp Grayling Joint Maneuver Training Center		Eglin AFB
Mtc-H Camp Grayling3		Eielson AFB
Fort Drum		Hill AFB
Fort McCoy		Joint Base Cape Cod (Massachusetts Military Reservation)
		Joint Base San Antonio - Lackland, Randolph, Ft Sam Houston, Camp Bullis
		Moody AFB
		Patrick AFB
		Robins AFB
		Horsham
		Galena Forward Operating Location
		General Mitchell Air Reserve Station
		Former K.I. Sawyer AFB
		Former Myrtle Beach AFB
		Former Richards-Gebaur AFB

Region	Facility Name	City	State
1	Beede Waste Oil	Plaistow	NH
1	Bennington Municipal Sanitary Landfill	Bennington	VT
1	Brunswick Naval Air Station	Brunswick	ME
1	Burgess Brothers Landfill	Bennington	VT
1	Charles George Reclamation Trust Landfill	Tyngsborough	MA
1	Coakley Landfill	North Hampton	NH
1	Commerce Street Plume	Williston	VT
1	Ft. Devens	Ayer, Shirley, Lancaster, Harvard	MA
1	Ft. Devens Sudbury Training Annex	Hudson, Stow, Maynard, and Sudbury	MA
1	Hanscom Field/Hanscom Air Force Base	Bedford	MA
1	Kearsarge Mettalurgical Corporation	Conway	NH
1	Keddy Mills	Windham	ME
1	Keefe Enivronmental Services	Epping	NH
1	Kocher Drive Dump	Bennington	VT
1	Landfill & Resource Recovery Inc. (L&RR)	North Smithfield	RI
1	LL & S Landfill	Salem	NH
1	Loring Air Force Base	Limestone	ME
1	Merrimack Landfill	Merrimack	NH
1	Mottolo Pig Farm	Raymond	NH
1	Naval Weapons Industrial Reserve Plant	Bedford	MA
1	New Hampshire Plating CO.	Merrimack	NH
1	Newport Naval Education & Training Center	Portsmouth	RI
1	Otis Air National Guard/Camp Edwards	Bourne, Sandwich, Falmouth, Mashpee	MA
1	Pease Air Force Base	Portsmouth & Newington	NH
1	Portsmouth Naval Shipyard	Kittery	ME
1	Pownal Tannery	Pownal	VT
1	Pownal Tannery, Dean Road	North Pownal	VT
1	Pownal Tannery, Lagoon Area	North Pownal	VT
1	Precision Plating Corp.	Vernon	CT
1	S. Burlington Air Guard (offsite)	South Burlington	VT
1	Solvents Recovery Services (SRS)	Southington	CT
1	Souhegan Regional Landfill	Amherst	NH
1	South Weymouth Naval Air Station	Weymouth, Abington, Rockland	MA
1	Union Chemical Co., Inc.	South Hope	ME
1	Warren Wire (WW) #1 - Fire District 2 Well	Pownal	VT

EPA ID	FF?	PRP	Congressional District	Assigned RPM	NPL or Non-NPL Status? (Use P, F, D, or N)	NPL Site count (calculated)	Has PFAS been detected?	PFOA and PFOS in drinking water above 70 (additive) and (private or public wells impacted)	Onsite Sampling?
NHD018958140	No			Cheryl Sprague	F	1	yes		
VTD981064223	No			Almerinda Silva	F	1	Yes		
ME8170022018	Yes	Navy	1	Mike Daly	F	1	Yes		
VTD003965415	No			Terrence Connelly	F	1	Yes		
MAD003809266	No				F	1	yes		
NHD064424153	No			Gerado Millan-Ramos	F	1	Yes		
VTD098352545	No				F	1	yes		
MA7210025154	Yes	Army	5	Christine Williams	F	1	Yes	yes	
MAD980520670	Yes	Army	5	Christine Williams	D	1	Yes		
MA8570024424	Yes	Air Force	6	Matthew Audet	F	1	Yes		
NHD062002001	No				F	1	yes		
MEN000106078	No				F	1	yes		
NHD092059112	No				F	1	yes		
VTD982542797	No			Almerinda Silva	N	0	Yes		
RID093212439	No				F	1	yes		
NHD981068836	No				N	0	Yes		
ME9570024522	Yes	Air Force	2	Mike Daly	F	1	Yes		
	No				N	0	Yes		
NHD980503361	No				F	1	yes		
MA6170023570	Yes	Navy		Matthew Audet	F	1	yes		
NHD001091453	No			Cheryl Sprague	F	1	Yes		
RI6170085470	Yes	Navy	1	Jane Dolan	F	1	yes		yes
MA2570024487	Yes			Robert Lim	F	1	Yes	yes	
NH7570024847	Yes	Air Force		Mike Daly	F	1	Yes	yes	
ME7170022019	Yes			Matthew Audet	F	1	Yes		
VTD069910354	No				F	1	yes		
VTD069910354	No			Leslie McVickar	F	1	Yes		
VTD069910354	No			Leslie McVickar	F	1	Yes		
CTD051316313	No			Leslie McVickar	F	1	Yes		
	No				N	0	Yes		
CTD009717604	No				F	1	yes		
	No				N	0	Yes		
MA2170022022	Yes	Navy		Kymberlee Keckler	F	1	Yes		
MED042143883	No				F	1	yes		
	No				N	0	Yes		

Offsite Sampling?	Delineation Complete?	Eco Exposure?	Interim Measure/Action taken to Mitigate Exposure?
unknown	unknown		

If 'Yes', Action Taken. Describe Action Taken (include multiple)

Date Updated:

6/1/2018
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6/1/2018
6/1/2018

Notes/other information including range of detections:

80+ monitoring, public and private supply wells sampled, most for 2 or more rounds. No DWs above the HA.

Consultation for new sampling.

Technical Assistance

Technical Assistance

Technical Assistance

HQ Information: HQ Consulatation? Yes/No	HQ Consultation Date	
Yes	5/18/2017	information received 6/28/16
Yes	8/16/2016	
No		
No		
Yes	1/17/2017	
	1/31/2018	
No		
Yes	11/29/2017	
Yes	3/15/2018	
No		
No		
No		
No		
No		
Yes	5/18/2017	
yes	3/22/2017	
No		
No		
No		
Yes	8/31/2016	
No		
No		
No		
No		

1	Warren Wire Plant #3 (Former)	Pownal	VT
1	Western Sand and Gravel	Burrillville	RI
2	American Cyanamid	Bridgewater	NJ
2	Colesville Landfill	Colesville	NY
2	Dewey Loeffel Landfill	Nassau	NY
2	Federal Aviation Administration Technical Center	Atlantic City	NJ
2	Fort Dix (Landfill Site)	New Hanover Township	NJ
2	Gabreski Air National Guard Base	Westhampton and Westhampton Beach Village	NY
2	Garfield Ground Water Contamination	Garfield	NJ
2	Griffiss Air Force Base (11 Areas)	Rome	NY
2	Helen Kramer Landfill	Mantua Township	NJ
2	Martin Aaron INC	Camden	NJ
2	McGuire Air Force Base #1	Cookstown	NJ
2	Naval Air Engineering Center	Lakehurst	NJ
2	Naval Weapons Station Earle	Scobeyville	NJ
2	Onondaga Lake	Towns of Geddes and Salina, Villages of Solvay and Liverpool, City of Syracuse	NY
2	Orange Valley Regional Ground Water Contamination	Orange	NJ
2	Picatinny Arsenal	Wharton	NJ
2	Plattsburgh Air Force Base	Plattsburgh	NY
2	Saint-Gobain Performance Plastics	Hoosick Falls	NY
2	Seneca Army Depot	Romulus	NY
2	Stewart Air National Guard Base	Newburgh	NY
3	Aberdeen Proving Ground (Michaelsville Landfill)	Aberdeen	MD
3	Andrews Air Force Base	Andrews Air Force Base	MD
3	Army Creek Landfill		DE
3	Arrowhead Associates, Inc./Scovill Corp.		VA
3	Blades, DE Groundwater	Blades	DE
3	Brandywine DRMO	Brandywine	MD
3	Chem-Fab	Doylestown	PA
3	Chemours/DuPont Washington Works	Washington	WV
3	Defense General Supply Center (DLA)	Chesterfield County	VA
3	Delaware National Guard		DE
3	Delaware Sand & Gravel Landfill	New Castle	DE
3	Dover Air Force Base	Dover	DE
3	Fentress	Chesapeake	VA
3	Fort Eustis (US Army)	Newport News	VA
3	Fort George G. Meade	Odenton	MD
3	Langley Air Force Base/NASA Langley Research Center	Hampton	VA
3	Letterkenny Army Depot (PDO Area)	Chambersburg	PA
3	Letterkenny Army Depot (SE Area)	Chambersburg	PA
3	Middletown Air Field	Middletown Township	PA
3	NASA Wallops Island	Wallops Island	VA
3	Naval Air Development Center (8 Waste Areas)	Warminster Township	PA

VTN000102029	No				N	0	Yes		
RID009764929	No				F	1	yes		
NJD002173276	No	Yes	NJ-07	Mark Schmidt	F	1	yes	yes	yes
NYD980768691	No	Yes	NY-22	George Jacob	F	1	yes	no	yes
NYD000512335	No	Yes	NY-19	Joe Battipaglia	F	1	yes	no	yes
NJ9690510020	Yes	Federal Aviation Administration	NJ-02	Jesscia Mollin	F	1	yes	yes	yes
NJ2210020275	Yes	Air Force	NJ-03	Robyn Henderek	D	1	yes	yes	yes
	Yes	Air National Guard	NY-01	Doug Pocze	N	0	yes	yes	yes
NJN000206317	No	None	NJ-09	Shane Nelson	F	1	yes	yes	yes
NY4571924451	Yes	Air Force	NY-22	Bob Morse	F	1	yes	yes	yes
NJD980505366	No	Yes	NJ-02	Larrry Granite	F	1	yes	yes	yes
NJD014623854	No	Yes	NJ-01	Shane Nelson	F	1	yes	yes	yes
NJ0570024018	Yes	Air Force	NJ-03	Robyn Henderek	F	1	yes	yes	yes
NJ7170023744	Yes	Air Force	NJ-03, NJ-04	Carla Struble	F	1	yes	yes	yes
NJ0170022172	Yes	Navy	NJ-04, NJ-06	Helen Shannon	F	1	yes	yes	yes
NYD986913580	No	Yes	NY-24	Bob Nunes	F	1	yes	no	no
NJD002148799	No	None	NJ-10	Pam Baxter	F	1	yes	yes	yes
NJ3210020704	Yes	Army	NJ-11	Sharon Hartzell	F	1	yes	yes	
NY4571924774	Yes	Air Force	NY-21	Bob Morse	F	1	yes	yes	yes
NYD004986741	No	Yes	NY-19	John DiMartino	F	1	yes	yes	yes
NY0213820830	Yes	Army	NY-23	Julio Vazquez	F	1	yes	yes	yes
	Yes	Air National Guard	NY-18	Doug Pocze	N	0	yes	yes	yes
MD3210021355	Yes	Army	MD-2	Andrea Barbieri	F	1	yes	yes	yes
MD0570024000	Yes	Air Force	MD-4	Andy Sochanski	F	1	yes	no	yes
DED980494496	No			Deb Rossi	F	1	yes	yes	
VAD042916361	No			Chris Corbett	F	1	yes	no	
Not yet assigned	No		DE	Connor O'Loughlin	N	0	yes	yes	no
MD9570024803	Yes	Air Force	MD-5	Andy Sochanski	F	1	yes	no	yes
PAD002323848	No			Huu Ngo	F	1	yes	no	yes
	No				N	0	Yes		
VA3971520751	Yes	DLA	VA-7	Sue haug	F	1	yes	no	yes
DE0000306286	No	Air Force	DE	Connor O'Loughlin	N	0	yes	yes	yes
DED000605972	No			Deb Rossi	F	1	yes	yes	yes
DE8570024010	Yes	Air Force	DE	Sue Haug	F	1	yes	yes	yes
VA8170090015	Yes	Navy	VA-4	Rob Thomson	N	0	yes	yes	yes
VA6210020321	Yes	Air Force	VA-3	Jeff Boylan	F	1	yes	no	yes
MD9210020567	Yes	Army	MD-2	Bob Stroud	F	1	yes	no	yes
VA2800005033	Yes	Air Force	VA-2	Jeff Boylan	F	1	yes	no	yes
PA2210090054	Yes	Army	PA-9	Rashmi Mathur	F	1	yes	no	yes
PA6213820503	Yes	Army	PA-9	Sue Haug	F	1	yes	no	yes
PAD980538763	No			Mark Conaron	D	1	yes	yes	yes
VA8800010763	Yes	NASA	VA-2	Lorie Baker	N	0	yes	yes	yes
PA6170024545	Yes	Navy	PA-8	Sarah Kloss	F	1	yes	yes	yes

no	no	unknown	no
no	likely	no	no
no	yes	unknown	no
yes	no	unknown	yes
yes	no	unknown	no
yes	no	unknown	yes
yes	no	unknown	no
no	no	unknown	no
no	no	unknown	no
unknown	unknown	unknown	no
yes	no	unknown	no
yes	no	unknown	yes
yes	no	unknown	yes
no	no	unknown	no
no	no	unknown	no
yes	no	unknown	yes
yes	no	Yes	yes
no	no	unknown	no
yes	no	yes	yes
yes	yes	no	yes
no	no	unknown	NA
yes	no	unknown	yes
no	no	unknown	NA
yes	no	no	NA
no	no	no	NA
yes	no	yes	yes
yes	no	unknown	yes
yes	no	yes	yes
yes	no	no	yes
no	no	no	NA
no	no	unknown	NA
no	no	no	NA
no	no	unknown	NA
no	no	no	NA
yes	no	unknown	yes
yes	no	no	yes
yes	no	yes	yes

no
N/A
no
upgraded system and installed new filters on municipal drinking water supply plant
no
bottled water provided to all as an interim measure, POE systems installed on interested properties
no
no
no
no
no
bottled water provided to all as an initial measure, 2 GAC systems installed, 1 RO unit installed, assessing potential to hook-up to municipal water supply
bottled water provided to all as an initial measure, all residences hooked up to municipal water supply in 12/16
no
no

bottled water provided to all as an initial measure, GAC systems installed as a temporary measure, evaluating for hook-up to municipal supply
GAC units installed on municipal supply. POETs installed on private wells
no
City switched water supply to the Catskill Aqueduct (May 2016). The NY Department of Health conducted blood testing on residents (around 3700 ppl.), wrapping up the first phase of blood testing on De
Filter installed on public well.

SI and assessment of the shallow groundwater and rivers surrounding the public and residential wells impacted by PFAS. Bottled water. Filters on municipal wells and private wells.

Affected wells turned off and water provided from other wells. Filter installed on 1 public well. See New Castle GW Plume
Filter installed on public well.
Filter installed on 1 private well.
Filters installed on 2 private wells.

Production well turned off.
Affected public wells turned off.
Bottled water. Filters on public wells. Hook-ups to public water.

6/1/2018
6/1/2018
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4/25/2018
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6/1/2018

6/1/2018
4/25/2018
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6/1/2018
4/23/2018
6/1/2018
6/1/2018
6/1/2018
6/1/2018
6/1/2018
6/1/2018
4/24/2018
6/1/2018

PRPs sampled at NJ's request; 3 rounds of samples have been collected from 3 locations on-site. Round 1 (2/2017) -- max combined PFOA/PFOS result of 74.4 ppt; Round 2 (4/2017) - max PFOA/PFOS of
Sampling performed. Shows low levels. Resampling may not expected to be necessary.
Two samples collected from the on-site groundwater treatment plant. PFOA was detected at 2.6 J ppt and PFBA was detected at 84 ppt. Other PFAS compounds, including PFOS, were not detected. No fu
Maximum GW detections PFOA: 4,400 ppt, PFOS: 95,000 ppt, PFNA: 220ppt; Municipal supply wells located on FAA property were affected. Response was to upgrade the ACMUA treatment system and i
On base GW maximum: PFOS 1,500 ng/L, PFOA 79 ng/L, PFNA 21 ng/L (Method Dection Limits: PFOS 3.0 ng/L, PFOA 3.9 ng/L, PFNA 3.3 ng/L); Off base GW maximum: PFOS 15 ng/L, PFOA 10 ng/L, PFNA
Unknown exact detections; 9 residecnes were above the HAL; NYS DOH will test some drinking wells near the site (55 properties identified) and provide bottled water as a precaution, and point-of-entry t
on site GW maximum: PFOS 490 ppt, PFOA 56
On base PFOS max 60,700 ppt, PFOA max 1,100 ppt, PFNA max 170 ppt, detection limits 6.2 ppt; Off base private well survey completed and no GW or SW users were identified; PFAS PA completed July
PRPs sampled leachate
PRPs sampled at NJ's request
On base GW maximum: PFOS 264,300 ng/L, PFOA 23,000 ng/L, PFNA 4,700 ng/L (Method Dection Limits: PFOS 3.0 ng/L, PFOA 3.9 ng/L, PFNA 3.3 ng/L); off base GW maximum: PFOS 15 ng/L, PFOA 10 n
On base GW maximum: PFOS 200,000 ppt, PFOA 5,100 ppt, PFNA 540ppt (Method Dection Limits: PFOS 3.0 ppt, PFOA 3.9 ppt, PFNA 3.3 ppt); off base GW maximum: PFOS 1,500 ppt, PFOA 92 ppt, PFNA
2 private wells tested for PFOS at 200ppt, PFOA at 58 ppt; non detect for PFASs in on-site potable wells and at off-base Monmouth County Fire Academy potable wells; on base maximum for GW monitor
In 2004, Onondaga Lake was sampled for PFOS (mean: 756 ppt; range: 198-1,090 ppt), PFOA (mean: 49 ppt; range: 39-64 ppt), PFHS (mean: 7.4 ppt; range: 4.2-8.5 ppt). Sampling was not performed as
Sampling performed during RI. Low levels detected.

On base GW maximum detections: PFOS: 70,300 ppt, PFOA: 981,000 ppt, PFNA: 265 ppt (detection limits 6.2 ppt); off base GW maximum detections PFOS: 347 ppt, PFOA: 98 ppt, PFNA: 20 ppt (detectio
PFAS are a primary COC for the site. There are also several other PFAS sites in the area that are being addressed under New York State authorities.
On base GW maximum detections: PFOA: 89,000 ppt, PFOS: 8,300 ppt, PFNA: 140 ppt; Army sampled SEAD-25, 26 and 122E. High levels found at SEAD-25 and 26. EPA evaluating next steps. Sampling at
On-Base Retention pond samples 5900 ppt. Lake Washington levels were 146 and 148 ppt in March 2016. Detection limits "low ng/L" levels in water; A state-funded carbon filtration system has been des

Private well sampling ongoing.

Additional houses to be sampled in 2018.

No		
No	Requested 9/6/2017	
no		
no		
No		
No		
no		
Yes		9/25/2017
No		
no		
no		
No		
No		
no		
No		
no		
no		
yes		8/11/2016
no		
no		
yes		3/26/2018
yes		7/13/2016
yes		6/13/2016

3	New Castle Groundwater Plume		DE
3	Norfolk Naval Base (Sewells Point Naval Complex)	Norfolk	VA
3	Norfolk Naval Shipyard	Portsmouth	VA
3	North Penn - Area 5		PA
3	Patuxent River Naval Air Station	Patuxent River	MD
3	Shepherd Field Air National Guard Base	Martinsburg	WV
3	Tobyhanna Army Depot	Tobyhanna	PA
3	USN Naval Air Stn Oceana	Virginia Beach	VA
3	Valmont TCE Site (Former - Valmont Industrial Park)	West Hazleton	PA
3	Washington Navy Yard	Washington	DC
3	Willow Grove Air Guard Station	Horsham	PA
3	Willow Grove NAS	Horsham	PA
4	Camp Lejeune	Onslow County	NC
4	MCAS Cherry Point	Cherry Point	NC
4	Parris Island Marine Corps Recruit Depot	Parris Island	SC
4	Tyndall Air Force Base		FL
5	Adam's Plating	Lansing	MI
5	Chanute Air Force Base	Rantoul	IL
5	Oakdale Dump	Oakdale	MN
5	State Disposal Landfill, Inc.	Plainfield Township	MI
5	Washington County Landfill	Lake Elmo	MN
5	Wolverine Worldwide Former Tannery	Rockford	MI
5	Wright Patterson Air Force Base		OH
5	Wurtsmith AFB	Wurtsmith	MI
6	Air Force Plant 4	Fort Worth	TX
6	Altus AFB	Altus	OK
6	Barksdale AFB	Bossier City	LA
6	Bergstrom AFB	Austin	TX
6	Chase Field	Beeville	TX
6	Corpus Christi Naval Air Station	Corpus Christi	TX
6	Dallas Naval Air Station	Dallas	TX
6	England AFB	Alexandria	LA
6	Kelly AFB	San Antonio	TX
6	Reese AFB	Lubbock	TX
6	Tinker Air Force Base (Soldier Creek/Building 3001)	Oklahoma City	OK
7	Fort Riley	Junction City	KS
8	Air Force Plant PJKS (former)	Littleton	CO
8	Ellsworth Air Force Base	Ellsworth AFB	SD
8	F.E. Warren Air Force Base	Cheyenne	WY
8	Peterson AFB	Colorado Springs	CO
8	Sugerloaf Fire District	Sugerloaf	CO
9	Alameda Naval Air Station	Alameda	CA
9	Barstow Marine Corps Logistics Base	Barstow	CA

DEN000304044	No		DE	Connor O'Loughlin	N	0	yes	yes	yes
VA6170061463	Yes	Navy	VA-2	Andrea Barbieri	F	1	yes	no	yes
VA1170024813	Yes	Navy	VA-3	Andrea Barbieri	F	1	yes	no	yes
PAD980692693	no			Sharon Fang	F	1	yes	no	
MD7170024536	Yes	Navy	MD-5	Andy Sochanski	F	1	yes	no	yes
WVD981739824	No				N	0	yes	yes	
PA5213820892	Yes	Army	PA-17	Lorie Baker	F	1	yes	no	yes
VA2170024606	Yes	Navy	VA-2	Rob Thomson	N	0	yes	no	yes
PAD982363970	No			Brad White	F	1	yes	no	yes
DC9170024310	Yes	Navy	DC	Bob Stroud	F	1	yes	no	yes
PAD987277837	Yes	Air Force	PA-13	Sarah Kloss	F	0.5	yes	yes	yes
PAD987277837	Yes	Navy	PA-13	Sarah Kloss	F	0.5	yes	yes	yes
NC6170022580	Yes	Marines		Jennifer Tufts	F	1	yes	yes	
	Yes	Army		Thornton	N	0	yes		
SC6170022762	Yes	Navy/Marines		Lila Llamas	F	1	yes	yes	yes
FL1570024124	Yes	Air Force		Rob Pope	F	1	yes	no	yes
MID006522791	No	None	8th	Pablo Valentin	F	1	yes	no	yes
IL1570024157	Yes	Air Force	15th	Syed Quadri	P	1	Yes	yes	yes
MND980609515	No	3M	6th	Eric Hardin	F	1	yes	yes	
MID980609341	No	Waste Management	3rd	Michael Berkoff	F	1	yes	Yes	yes
MND980704738	No		4th	Leah Evison	D	1	yes		
MIN000510613	No				N	0	Yes		
OH7571724312	Yes	Air Force	10th	Syed Quadri	F	1	yes	yes	yes
MI5570024278	Yes	Air Force	1st and 5th	Jenny Davison	P	1	yes	yes	yes
TX0571924042	Yes	Air Force		Bob Sullivan	F	1	yes	no	yes
OK9571824045	Yes	Air Force		Tracie Donaldson	N	0	yes	no	yes
LA9571924050	Yes	Air Force		Rich Mayer	N	0	yes	no	yes
TX0572124188	Yes	Air force		Chuck Hendrickson	N	0	yes	no	yes
TX3170024738	Yes	Navy		Greg Lyssy	N	0	yes	no	yes
TX7170022787	Yes	Navy		Gary Miller	N	0	yes	no	yes
TX8170022786	Yes	Navy		Rich Mayer	N	0	yes	no	yes
LA9572124452	Yes	Air Force		Noel Bennet	N	0	yes	no	yes
TX2571724333	Yes	Air Force		Gary Miller	N	0	yes	no	yes
TX8571524091	Yes	Air Force		Gary Miller	N	0	yes	yes	yes
OK1571724391	Yes	Air Force		Mike Hebert	F	1	yes	no	yes
KS6214020756	Yes	DOD	KS-02	Amer Safadi	F	1	yes	No	Yes
CO7570090038	Yes				F	1	yes	no	
SD2571924644	Yes	Air Force		Patricia Smith	F	1	yes	yes	yes
WY5571924179	Yes				F	1	yes		
CO9571924191	Yes	Air Force		Tracy White, CDPHE	N	0	yes	yes	yes
NA	No				N	0	yes	yes	
CA2170023236	Yes	Navy	09,13	Xuan-Mai Tran	F	1	yes	no	yes
CA8170024261	Yes				F	1	yes	yes	

yes	no	yes	yes
no	no	no	NA
no	no	unknown	NA
no	no	unknown	NA
no	no	no	NA
yes	no	no	NA
yes	yes	no	NA
no	yes	no	NA
yes	no	yes	yes
yes	no	yes	yes
no	no	unknown	no
no	no	no	no
yes	yes	no	no
no	no		
yes	no		
yes	no	no	
yes	No	yes	yes
no	no	unknown	
no	no	unknown	
no	no	unknown	
no	no	unknown	
no	no	unknown	
no	no	unknown	
no	no	unknown	
no	no	unknown	
no	no	unknown	
yes	no	unknown	yes
no	no	unknown	
No			no
no	no	unknown	yes
yes	no	unknown	yes
no	no	potential	no

Affected wells turned off and water provided from other wells. Filter installed on 1 public well. See Delaware Nat'l Guard.

Bottled water. Filters on public wells. Hook-ups to public water.
Bottled water. Filters on public wells. Hook-ups to public water.

Alternate water supply provided

GAC Treatment System
Alternate water supply provided

alternate water supply

alternate water supply

alternate water supply

4/25/2018
6/1/2018
6/1/2018
6/1/2018
6/1/2018

6/1/2018
3/13/2018
6/1/2018
6/1/2018
6/1/2018
6/1/2018

2/1/2018
3/19/2018
4/3/2018
3/1/2018

3/1/2018
3/1/2018
3/1/2018
3/1/2018
6/1/2018
2/23/2018
2/23/2018
2/23/2018
2/23/2018
2/23/2018
2/23/2018
2/23/2018
2/23/2018
2/23/2018
6/1/2018
4/12/2018
6/1/2018
6/1/2018
6/1/2018
6/1/2018
6/1/2018
6/1/2018
6/1/2018

660 ng/l in effluent of P&T system. Wells turned off for cabon filter changeout. Will resume pumping and monitor results.

1 private well to be sampled Spring 2018

Residents already on municipal water.

Municipal water hook-ups ongoing.
Municipal water hook-ups ongoing.

Early RI stage: 2 locations; Additive Range from 90 to 11,000 ppt
AF conduting sampling in 2018/19. RI sampling stalled due contract failure

original consultation on 9/1/16
Site Deferred to State

Air Force is sampling off site private water wells

PWS was ND for PFAS. Samples collected from four on-post monitoring wells. PFOA was detected in one sample (11 ng/L). All other samples were ND.

Air Force beginning RI-level sampling; private wells

Awaiting results from SI-type sampling; private wells and municipal upgrades

State made a determination this is a non-drinking water source

		7/14/2016
yes		7/14/2016
no		
no		
Yes		6/23/2017
yes		2/23/2018
yes		6/7/2016
yes	unknown	
No		
yes	multiple	
no		
yes		2/28/2018

9	Camp Pendleton Marine Corps Base	Camp Pendleton	CA
9	Castle Air Force Base (6 Areas)	Merced	CA
9	Edwards Air Force Base	Edwards AFB	CA
9	El Toro Marine Corps Air Station	El Toro	CA
9	Fort Ord	Marina	CA
9	George Air Force Base	Victorville	CA
9	March Air Force Base	Riverside	CA
9	Mather Air Force Base (AC&W Disposal Site)	Mather	CA
9	McClellan Air Force Base (Ground Water Contamination)	McClellan AFB	CA
9	Travis Air Force Base	Travis AFB	CA
9	Williams Air Force Base	Chandler	AZ
9	Yuma Marine Corps Air Station	Yuma	AZ
10	Eilson AFB	Fairbanks	AK
10	Elemendorf AFB	Anchorage	AK
10	Fairchild Air Force Base (4 Waste Areas)	Airway Heights	WA
10	Fort Richardson	Anchorage	AK
10	Fort Wainwight	Fairbanks	AK
10	Joint Base Lewis-McChord	Tacoma	WA
10	Moses Lake Wellfield Contamination	Moses Lake	WA
10	Mountain Home Air Force Base	Mountain Home	ID
10	Naval Air Station, Whidbey Island	Oak Harbor, Coupeville	WA

CA2170023533	Yes				F	1	yes	yes	
CA3570024551	Yes	Air Force		Nadia Burke	F	1	yes	no	yes
CA1570024504	Yes	Air Force		Christopher Dirscherl	F	1	yes	no	yes
CA6170023208	Yes				F	1	yes	no	
CA7210020676	Yes	Army		Maeve Clancy	F	1	yes	no	yes
CA2570024453	Yes				F	1	yes	yes	
CA4570024527	Yes	Air Force		Catherine Brown	F	1	yes	yes	
CA8570024143	Yes	Air Force		John Lucey	F	1	yes	yes	yes
CA4570024337	Yes	Air Force		Julie Sullivan	F	1	yes	no	
CA5570024575	Yes				F	1	yes	yes	
AZ7570028582	Yes	Air Force	06, 5	Carolyn d'Almeida	F	1	yes	yes	yes
AZ0971590062	Yes				F	1	yes	yes	
AK1570028646	Yes	AF	At-large	Dustan Bott	F	1	yes	Yes	Yes
AK8570028649	Yes	AF	At-large	Sandra Halstead	F	1	yes	Yes	Yes
WA9571924647	Yes	Air Force	WA 5th	Kim Prestbo	F	1	yes	yes	
AK6214522157	Yes	AF	At-large	Sandra Halstead	F	1	yes	Yes	Yes
AK6210022426	Yes	Army	At-large	Sandra Halstead	F	1	yes	Yes	Yes
Multiple, but start with WA7210090067	Yes	AF	WA 10th	Chris Cora	F	1	yes	Yes	Yes
WAD988466355	No	DOD	WA 5th	Rod Lobos	F	1	yes	No	
ID3572124557	Yes	Air Force	ID 2nd		F	1	yes	yes	
WA6170090058	Yes	Navy	WA 2nd	Laura Buelow	F	1	yes	yes	

no	no	
Yes	No	Yes
Yes	No	No
No	Maybe	No
No	No	No
Yes	No	Yes
Yes	No	No

Alternate water supply

Wlls taken off line

6/1/2018
6/1/2018
6/1/2018
6/1/2018
6/1/2018
6/1/2018
6/1/2018
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6/1/2018
6/1/2018

	*	
yes		1/29/2018
yes		1/25/2018
yes		4/25/2018
yes		6/28/2017

exceed combined limit	multiple	
24,000/5,100 ng/L	yes, 6/2016	
220/55 ng/L	yes, 6/2017	
3,300/44 ng/L	no	
nd-250 ppt		5/23/2007
.0439-.0488 ug/L	no	

AIR FORCE

Summary of Testing for DoD Drinking Water Systems and Actions Taken where Results were Above the EPA LHAs1

DoD Component

Installatio
n

State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems	
	Total Number Tested	

	Number that Tested above the EPA LHAs1

Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

	Non-DoD Purveyor Drinking Water Systems	
	Total Number Tested	
	Public DW Systems	Private DW Wells

	Number that Tested above the EPA LHAs1
	Public DW Systems

	Results (PFOS/ PFOA) or Concentration Range above EPA LHAs (ppt)
Private DW Wells	

	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

Air Force - ANG

Barnes
ANGB
(104th)

Massachu
setts

	1	0

	1

0	43-160 ppt (PFOS+PFOA)

	Base obtains water from Westfield Water Dept. UCMR sampling indicated two DW system wells were elevated in 2013, and they have been removed from service. The Westfield Water Dept is in the process of addressing the two DW wells with elevated levels.

	Water sources will continue to be sampled for PFOA and PFOS. DW Wells #7 and #8 are not being used due to higher levels of PFOS and PFOA. Possible future treatment options are being investigated. Prior to any DW well (i.e. #1; #7; #8) being returned to use in a non-emergency situation, public notice will be provided, which will include additional sample results for PFOA, PFOS and similar chemicals and an explanation of treatment or other actions taken to support the return of the DW well(s) to service.

Air Force - ACTIVE

Eielson
AFB

	1

9-111 ppt (PFOS+PFOA)	Drinking water sampling and analysis. Four of six drinking water wells taken off-line. Well with lowest PFOS/PFOA level used as primary well. Eielson upgraded the base water treatment plant with four temporary granulated activated carbon (GAC) filters pending completion of permanent GAC system. Eielson conducts quarterly sampling. One treated water sample above LHA due to carbon break thru.

	Projected date of 30 November 2017 for installation of four of the six permanent GAC filters at the base water treatment plant. The two additional filters used on the temporary systems scheduled to be permanently installed by 1 Janaury 2018 to complete the upgrade project. Eielson will continue conducting quarterly sampling.

Air Force - ANG

Gabreski
ANGB
(106th)

New York

	1	0

	1

0	ND-530 ppt (PFOS+PFOA)

	Base purchases DW water from Suffolk County. The County took action by blending and taking DW wells out of service. The County is currently installing GAC filters.

	Continue quarterly samples.

Air Force - ANG

Summary of Testing for DoD Drinking Water Systems and Actions Taken where Results were Above the EPA LHA

Harrisbur
g IAP
(ANG)
(193rd)

Pennsylva
nia

	1	0

1

0	20-103 ppt (PFOS+PFOA)

	During 2014 it was discovered from UCMR3 drinking water sampling activities that PFOS/PFOA was detected above the LHAs. State approved an action plan as follows: affected DW wells removed from service; other DW wells utilized to produce water below the LHAs; monthly sampling.
	s1

	Actions taken previously. No actions listed on 2016 Consumer Confidence Report

DoD Component

Installatio
n

State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems
Total Number Tested	

	Number that Tested above the EPA LHAs1

Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

	Non-DoD Purveyor Drinking Water Systems	
	Total Number Tested	
	Public DW Systems	Private DW Wells

	Number that Tested above the EPA LHAs1
	Public DW Systems

	Results (PFOS/ PFOA) or Concentration Range above EPA LHAs (ppt)
Private DW Wells	

	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

Air Force - ANG

Horsham
AGS (AGS)
(111th)

Pennsylva
nia 1

	1

60-290 ppt (PFOS+PFOA)	Alternate water source is being utilized. Drinking water sampling and analysis for several years. Two drinking water wells are off-line. Currently sampling monthly at four locations.

	New treatment plant is being built

Air Force - ACTIVE

Kunsan
AB

South
Korea 1

	1

55-85 ppt (PFOS+PFOA)	Connected to local municipal DW supply until Kunsan AB source is mitigated to PFOS/PFOA levels lower than the EPA LHA.

	Will continue to monitor Kunsan AB source water quarterly for PFOS/PFOA, and will continue using local municipal DW supply until base water can be mitigated to below EPA LHA levels.

Air Force - ACTIVE

Mountain
Home
AFB

	1

77-105 ppt (PFOS+PFOA)	Drinking water sampling and analysis have occurred. Bottled water was purchased as an interim safety measure while the contaminated wells were evaluated and a plan was developed. Bottled water is still being supplied to the Control Tower as their only source of drinking water is a contaminated well. The contaminated well (well 4) supplying our industrial side of the base was removed from service, and the system was flushed over 3 days. Additional sampling has been conducted to show that PFOS/PFOA is no longer in the distribution lines.

	AFCEC and our CE personnel are developing long term plans, and will be constructing a new well. Well 4 will remain offline permanently due to PFOS/PFOA and nitrate contamination. Periodic sampling for PFOS/PFOA will continue to ensure the remaining wells are not impacted.

Air Force - ACTIVE

Summary of Testing for DoD Drinking Water Systems and Actions Taken where Results were Above the EPA LHAs1

DoD Component

New
Boston
AFS

Installatio
n

State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems
New Hampshire	2

1

13-83 ppt (PFOS+PFOA)	Drinking water sampling and analysis. DW well above the EPA LHAs has been shut down. The AF is conducting quarterly sampling for the operational drinking water wells.

	Project has been awarded to add Activated Carbon to impacted DW well to fix PFOS/PFOA. Quarterly testing will continue

	Non-DoD Purveyor Drinking Water Systems	

Air Force - ANG

New
Castle
ANGB
(166th)

	Total Number Tested
Delaware	

	Number that Tested above the EPA LHAs1

Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

	Total Number Tested	
	Public DW Systems	Private DW Wells
	1	0

	Number that Tested above the EPA LHAs1
	Public DW Systems
	1

	Results (PFOS/ PFOA) or Concentration Range above EPA LHAs (ppt)
Private DW Wells	
0	140-1800 ppt (PFOS+PFOA)

	Actions Taken as of August 31, 20172
	Artesian Water Company discontinued the use of the wells where the contaminatio n was identified.

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA
	Supplier took actions consistent with AF policy

Air Force - ANG

Pease
ANGB
(157th)

New
Hampshir
e

	1	0

	1

0	2500 ppt (PFOS+PFOA)

	City provides water to the ANG. During AF clean up activities May 2014, a drinking water well (Haven) tested above the provisional health advisory (at the time) and also above the current LHAs. The well was turned off by the City.

Air Force - ACTIVE

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), prov

Wright-
Patterson
AFB

viding alternative drinking water, adding an activated carbon filter to the well, and blending water systems.

	1

90-235 ppt (PFOS+PFOA)	Drinking water sampling and analysis. Bottled water was provided for Area A, where two drinking water wells and the treatment system were shut down. In the process of installing granular activated carbon filter system. Base officials are continuing to sample drinking water to ensure levels remain below the EPA LHAs. **9-5-17:** GAC units were installed and went on line in Area A @ (EPs 001 and 004) on 2Jun17. Since that time, PFOS/PFOA results after GAC treatment at these entry points are BDL. Well #7, which is not treated by the GAC system has PFOA results of 5.0 - 6.6 ppt. Entry points 002 and 003 which are fed by Well 7 have PFOA results of 2.7-4.6 ppt. Wells 1 and 3 also have very small amounts of PFOA.

	We are continuing monthly PFC monitoring at all 6 Area A wells and EP 001 per the GAC Plans Approval with OEPA. Area B wells are being monitored quarterly due to low levels of PFOA. CE is currently working on a back up plan for Area B in the event that the PFOA levels begin to increase to the Public Advisory Limit of 70ppt.

Summary of DoD Testing of Drinking Water Systems Off-Installation and Actions Taken where Results were Above the EPA LHAs1
DoD Component

Installatio
n

State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems	
	Total Number Tested	

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

	Off-base Public and Private Drinking Water Wells	
	Total Number Tested	
	Public DW Systems	Private DW Wells

	Number that Tested above the EPA LHAs1	
	Public DW Systems	Private DW Wells

	Results (PFOS/ PFOA) or Concentration Range above EPA LHAs (ppt)

Actions Taken as of August 31, 20172

Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

Air Force - ACTIVE

Air Force - ACTIVE

Dover AFB

Eielson
AFB

Delaware

Alaska

	1	19
	0	174

	0	1
	0	169

	91 ppt (PFOS + PFOA)
	83 - 2222 ppt (PFOS+PFOA)

Installed whole-house activated carbon filtration system at one residence as a permanent solution.	
Installed 163 water systems (remaining six are due to owner delays) to include: 96 water tank (2,000 gal) delivery systems , 65 granulated activated carbon (GAC) systems, 2 water carboy (5-gal) delivery systems.	

Sampling and analysis to verify filtration system is working as intended; filter changes as needed.	
Complete Interim Proposed Plan to determine final remedy for a long-term drinking water supply for the community of Moose Creek, AK, by Nov 2017. Preferred Alternative anticipated to be connection to the City of North Pole water system. Final Record of Decision to be completed by Aug 2018. Implementation of selected remedy programmed for FY19.	

Air Force - ACTIVE

Ellsworth
AFB

South
Dakota

	0	1

	0	1

	182 ppt

Alternate DW water source provided in January 2017. Two properties, sharing one (1) private DW well, were connected to the existing Base-operated potable waterline. The waterline has provided alternate water since the 1990s to other off-base residents affected by trichloroethene contamination.	

Response provided as of 31 August 2017 is the permanent/final mitigation solution.

Air Force - ACTIVE

Fairchild
AFB

Washingt
on

	2	104

	1	43

	75-5700 ppt (PFOS+PFOA)

Public DW water system taken off line. Bottled water provided to all private residences with DW wells above LHA.

Negotiate MOU with local municipality; potentially install GAC filtration on public DW water system; ECD - to be determined. Install whole house filtration systems in residences with affected private DW wells; ECD Jan 2018.

Air Force - BRAC

Former KI
Sawyer
AFB

Michigan

	4	9

	0	1

	202 - 3651 ppt (PFOS+PFOA)

Testing showed exceedance of the LHA. Provided bottled water and cooler.

Complete signing of access agreement. Installation of carbon filtration treatment system planned for September 2017. Conduct monitoring of system to ensure filtration operation is below the LHA.	

Air Force - BRAC

Former
March
AFB

California

	4	4

	1	2

	70 - 168 ppt (PFOS+PFOA)

Supplied two (2) residences with bottled water while working connection to municipal water service. Public DW well shut off and AF reimbursing for the incremental cost increase of purchasing replacement water.

Complete Cooperative Agreement with DW purveyor to fund treatment for impacted municipal DW well.

Air Force - BRAC

Summary of DoD Testing of Drinking Water Systems Off-Installation and Actions Taken where Results were Above the EPA LHAs1

DoD Component

Former
Mather
AFB

Installatio
n

California

State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems

	2	6
	Off-base Public and Private Drinking Water Wells	

1

0

	193 ppt (PFOS+PFOA)

Public DW well with exceedance of LHA was taken out of service in 2015 for reasons not related to PFOS/PFOA. DW well remains off-line.

Water purveyor has identified the AF as a potential responsible party, but has not determined future use of the DW well and has not made any request for assistance/action.

Total Number Tested	

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

	Total Number Tested	
	Public DW Systems	Private DW Wells

	Number that Tested above the EPA LHAs1	
	Public DW Systems	Private DW Wells

	Results (PFOS/ PFOA) or Concentration Range above EPA LHAs (ppt)

Actions Taken as of August 31, 20172

Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

Air Force - BRAC

Former
Pease AFB

New
Hampshir
e

	11	37

	1	4

	72 - 870 ppt (PFOS+PFOA)

Public DW well shut off May 2014. Installed carbon filtration systems for three (3) private DW well owners. Provide bottled water for Fish and Wildlife Service seasonal use facility. AF has agreement with the City of Portsmouth to install a treatment system on the Public well. Installed interim groundwater mitigation system to prevent migration of groundwater above the LHA to private water wells. Developed design plan to install interim mitigation system to prevent migration of groundwater above the LHA to the pubic DW wells.	

Fund City of Portsmouth actions to install treatment system. Negotiate with private well owners to connect to public water supply in the next 18 months. Operate installed groundwater mitigation systems.

Air Force - BRAC

Air Force - BRAC

Former
Plattsburg
h AFB

Former
Wurtsmit
h AFB

New York
Michigan

	0	53
	2	67

	0	4
	0	1

	90 - 412 ppt (PFOS+PFOA)
	2923 ppt (PFOS+PFOA)

Installed carbon filtration systems for three (3) private DW well owners. Provided bottled water to one (1) private DW well owner because of physical constraints preclude installation of home treatment system.
Connected private well owner to public water supply.

Connection of private DW water well owners to public water supply planned for fall 2017 or spring 2018.	
Complete retesting of private well to ensure level is below LHA.	

Air Force - ANG

Horsham
AGS (AGS)
(111th)

Pennsylva
nia

	2	152

	2	59

	82-1870 ppt (PFOS+PF OA)

Public Wells: Seven (7) impacted DW wells taken offline. Carbon filtration under design/construction for all seven.
Municipalities purchasing make up water from neighboring suppliers.
Private Wells: Bottled water delivery by ANG until municipal connect complete.

Public Wells: Carbon filtration construction completion and potability permits expected Summer 2018.
Private Wells: Water connections expected to be complete Spring 2018.

Air Force - ACTIVE

Joint Base
Cape Cod

Massachu
setts

	9	73

	2	22

	73 - 488 ppt (PFOS+PFOA)

Sampling and analysis, retesting, two (2) public DW wells taken offline; bottled water provision for 74 residences, carbon filtration system installed at 13 residences, municipal water connections.	

Wellhead treatment on public DW water supply well (funding anticipated FY18 Q1); additional carbon filtration systems, bottled water provision, and/or municipal water connections to be determined based on results of ongoing outreach.	

Air Force - ACTIVE

Summary of DoD Testing of Drinking Water Systems Off-Installation and Actions Taken where Results were Above the EPA LHAs1

Joint Base
McGuire-
Dix-
Lakehurst

New
Jersey

	2	175

0

3

	152 - 1688 ppt (PFOS + PFOA)

Bottled water provided to three (3) properties with private DW wells where results exceeded the LHAs. Subsequently installed 2 point-of-entry (POE) GAC systems and 1 point-of-use (POU) RO system and discontinued bottled water. System monitoring and O&M ongoing for the 3 treatment systems.	

Engage with local municipality, connect to existing municipal water service, and extend water line as permanent solution to replace installed POE GAC systems at 2 properties; ECD May 2018. Conduct one year of monitoring at 1 property with installed RO Unit to determine if initial exceedance is valid (subsequent confirmation samples have been ND). Conduct minimum of one year of quarterly monitoring at 19 properties with PFOS/PFOA detections below the LHAs.	

DoD Component

Installatio
n

State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems	
	Total Number Tested	

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

	Off-base Public and Private Drinking Water Wells	
	Total Number Tested	
	Public DW Systems	Private DW Wells

	Number that Tested above the EPA LHAs1	
	Public DW Systems	Private DW Wells

	Results (PFOS/ PFOA) or Concentration Range above EPA LHAs (ppt)

Actions Taken as of August 31, 20172

Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

Air Force - ACTIVE

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), prov

Peterson
AFB

Former K.I. Sawyer AFB
Former Loring AFB
viding alternative drink Former March 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.	

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component

Installatio
n

State/Territory	

On-base Groundwater Monitoring Wells

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Off-base Groundwater Monitoring Wells
	Total Number Sampled

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA

Air Force-Active

Altus AFB

Oklahoma

	12

	11

	190–290, 000 ppt PFOS+PF OA

	0

	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.	

	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

Air Force-Active

Beale AFB

California

	4

	3

	80–200,0 00 ppt PFOS+PF OA

	0

	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.	

	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

Air Force-Active

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1

Cape
Canaveral
AFS

Florida

11

8

	74–53,00 0 ppt PFOS+PF OA

0

	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.	

	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

DoD Component
Air Force-Active

Installatio
n

Dover AFB

State/Territory	
Delaware	

	On-base Groundwater Monitoring Wells
	67

	Number that Tested above the EPA LHAs1
	36

	Range of Results above EPA LHAs (ppt)
	77–2,800,000 ppt PFOS+PFOA

	Off-base Groundwater Monitoring Wells
	Total Number Sampled
	0

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172
	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA
	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

Air Force-Active

Eglin AFB

Florida

	6

	6

	4,300–28 0,000 ppt PFOS+PF OA

	0

	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.	

	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

Air Force-Active

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1

Eielson
AFB

Alaska

25

18

	95–2,000, 000 ppt PFOS+PF OA

9

0

	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.	

	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

DoD Component
Air Force-Active

Installatio
n

Ellsworth
AFB

State/Territory	
South Dakota	

	On-base Groundwater Monitoring Wells
	46

	Number that Tested above the EPA LHAs1
	43

	Range of Results above EPA LHAs (ppt)
	72–551,000 ppt PFOS+PFOA

	Off-base Groundwater Monitoring Wells
	Total Number Sampled
	12

	Number that Tested above the EPA LHAs1
	10

	Range of Results above EPA LHAs (ppt)
	150-33,900 ppt PFOS+PFOA

	Actions Taken as of August 31, 20172
	Completed a limited Preliminary Assessment/Site Inspection for PFOS and PFOA received regulatory concurrence on the findings. Initiated a Remedial Investigation at the former fire training area and completed the first phase of fieldwork in Summer 2017. Initiated a base-wide Site Inspection.

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA
	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

Air Force-Active

FE Warren
AFB

Wyoming

	1

	1

	1,100 ppt PFOS

	0

	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.	

	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

Air Force-Active

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1

Hill AFB

Utah

13

12

	73–930 ppt PFOS+PF OA

0

	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.	

	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

DoD Component
Air Force-Active

Installation

Joint Base Cape Cod (Massachusetts Military Reservation)

State/Territory	
Massachusetts	

	On-base Groundwater Monitoring Wells
	113

	Number that Tested above the EPA LHAs1
	31

	Range of Results above EPA LHAs (ppt)
	71–21,800 ppt PFOS+PFOA

	Off-base Groundwater Monitoring Wells
	Total Number Sampled
	26

	Number that Tested above the EPA LHAs1
	13

	Range of Results above EPA LHAs (ppt)
	90-3,200 ppt PFOS+PFOA

	Actions Taken as of August 31, 20172	
	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA. Continued sampling and analyses, retesting, bottled water provision, and installation of carbon filtration systems.	

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA
	An expanded SI will be conducted at the SI sites except for the tanker truck rollover where the site has proceeded to an RI since PFOS+PFOA greater than the LHA has been detected off base in private wells.

Air Force-Active

Joint Base
Langley-
Eustis

Virginia

	43

	41

	110–2,20 0,000 ppt PFOS+PF OA

	0

	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.	

	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

Air Force-Active

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1

Joint Base
San
Antonio -
Lackland,
Randolph,
Ft Sam
Houston,
Camp
Bullis

Texas

20

14

	83–680,0 00 ppt PFOS+PF OA

0

	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.	

	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

DoD Component
Air Force-Active

Installation

Moody AFB

State/Territory	
Georgia	

	On-base Groundwater Monitoring Wells
	34

	Number that Tested above the EPA LHAs1
	22

	Range of Results above EPA LHAs (ppt)
	590–375, 000 ppt PFOS+PF OA

	Off-base Groundwater Monitoring Wells
	Total Number Sampled
	0

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172
	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA
	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

Air Force-Active

Air Force-Active

Patrick
AFB

Peterson
AFB

Florida

Colorado

	28
	14

	28
	8

	71–4,300, 000 ppt PFOS+PF OA
	79–88,40 0 ppt PFOS+PF OA

	0
	10

	2

	130–980 ppt PFOS+PF OA

	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.	
	Summitted request for Expanded SI funds. Conducted mitigation efforts, as reported in Drinking Water Data Call	

	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.
	Expanded SI Field work and continued mitigation on private and public drinking water wells

Air Force-Active

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1

Robins
AFB

Georgia

5

3

	150–1,400 ppt PFOS+PFOA

0

	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.	

	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

DoD Component
Air Force-Active

Installatio
n

Tinker
AFB

State/Territory	
Oklahoma	

	On-base Groundwater Monitoring Wells
	19

	Number that Tested above the EPA LHAs1
	15

	Range of Results above EPA LHAs (ppt)
	73–170,000 ppt PFOS+PFOA

	Off-base Groundwater Monitoring Wells
	Total Number Sampled
	0

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172	
	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.	

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA
	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

Air Force-Active

Travis AFB

California

	12

	12

	89–40,00 0 ppt PFOS+PF OA

	0

	Completed the base-wide Preliminary Assessment and received regulatory concurrence on the findings. Initiated a base-wide Site Inspection for PFOS and PFOA.	

	Continue following the CERCLA process through investigation, cleanup, and long-term monitoring. Perform mitigation activities when impacts to human health are determined.

Air Force-ANG

Horsham

Pennsylva
nia

	106

	100

	75–297,2 00 ppt PFOS+PF OA

	Continued sampling, carbon added to supply wells on-base and off-base municipal wells, impacted municipalities blending water while carbon under construction, alternate water supplied to impacted private well owners until municipal connections complete

	Continue using the Base supply wells that have carbon filtration. Follow the CERCLA process for future investigative and cleanup activities.

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component

Installatio
n

State/Territory	

On-base Groundwater Monitoring Wells

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Off-base Groundwater Monitoring Wells
	Total Number Sampled

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA

Air Force-BRAC

Former
Bergstro
m AFB

Texas

	5

	472 - 9,970 ppt PFOS+PFOA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Area. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Follow the CERCLA process for future investigative and cleanup activities.

Air Force-BRAC

Former
Castle
AFB

California

	7

	3

	281 - 2,502 ppt PFOS+PFOA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Area. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Follow the CERCLA process for future investigative and cleanup activities.

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component

Installatio
n

State/Territory	

On-base Groundwater Monitoring Wells

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Off-base Groundwater Monitoring Wells
	Total Number Sampled

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA

Air Force-BRAC

Former
Chanute
AFB

Illinois

	58

	38

	162 - 2,098,000 ppt PFOS+PFOA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Area. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment. Upgraded existing groundwater treatment systems with granulated activated carbon to mitigate PFOS/PFOA discharges.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Follow the CERCLA process for future investigative and cleanup activities.

Air Force-BRAC

Former
England
AFB

Louisiana

	8

	8

	4,351 - 10,970,000 ppt PFOS+PFOA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Area. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Follow the CERCLA process for future investigative and cleanup activities.

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component

Installatio
n

State/Territory

On-base Groundwater Monitoring Wells

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Off-base Groundwater Monitoring Wells
	Total Number Sampled

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA

Air Force-BRAC

Galena
Forward
Operating
Location

Alaska

	6

	3

	1,868 - 146,400 ppt PFOS+PFOA

	Completed basewide Preliminary Assessment and received regulatory concurrence on the findings. Initiated Site Inspections of AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Follow the CERCLA process for future investigative and cleanup activities.

Air Force-BRAC

General
Mitchell
Air
Reserve
Station

Wisconsin

	6

	5

	88 - 10,830 ppt PFOS+PFOA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Areas. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Follow the CERCLA process for future investigative and cleanup activities.

Air Force-BRAC

Former
George
AFB

California

	22

	14

	87 - 5,396 ppt PFOS+PF OA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Areas. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Follow the CERCLA process for future investigative and cleanup activities.

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component

Installatio
n

State/Territory

On-base Groundwater Monitoring Wells

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Off-base Groundwater Monitoring Wells
	Total Number Sampled

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA

Air Force-BRAC

Former
Griffiss
AFB

New York

	9

	9

	641 - 61,233 ppt PFOS+PFOA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Area. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Follow the CERCLA process for future investigative and cleanup activities.

Air Force-BRAC

Former
Grissom
AFB

Indiana

	18

	16

	74 - 132,000 ppt PFOS+PFOA

	5

	0

	Completed basewide Preliminary Assessment and site inspection. Received regulatory concurrence on the findings. All drinking water well sampling results below LHA.

	Conduct one year of quarterly sampling of the private drinking water wells. Follow the CERCLA process for future investigative and cleanup activities.

Air Force-BRAC

Former
Kelly AFB

Texas

	4

	4

	8,950 - 35,800 ppt PFOS+PFOA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Area. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Perform groundwater investigations of AFFF release areas in conformance with State requirements.

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component

Installatio
n

State/Territory	

On-base Groundwater Monitoring Wells

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Off-base Groundwater Monitoring Wells
	Total Number Sampled

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA

Air Force-BRAC

Former
K.I.
Sawyer
AFB

Michigan

	12

	8

	479 - 58,210 ppt PFOS+PFOA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Areas. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Perform delineation of PFOS/PFOA in groundwater along the pathways to drinking water identified receptors.

Air Force-BRAC

Former
Loring
AFB

Maine

	55

	29

	84 - 5,861 ppt PFOS+PF OA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Area and other AFFF areas. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Follow the CERCLA process for future investigative and cleanup activities.

Air Force-BRAC

Former
March
AFB

California

	12

	12

	76 - 9,666 ppt PFOS+PF OA

	4

	4

	553 - 3,195 ppt PFOS+PF OA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Area. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination . Perform delineation of PFOS/PFOA in groundwater along the pathways to drinking water identified receptors.

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component

Installatio
n

State/Territory	

On-base Groundwater Monitoring Wells

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Off-base Groundwater Monitoring Wells
	Total Number Sampled

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA

Air Force-BRAC

Former
Mather
AFB

California

	10

	9

	73 - 16,800 ppt PFOS+PFOA

	11

	10

	79 - 672 ppt PFOS+PF OA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Areas. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment. Installed granulated activated carbon to existing fire training area groundwater treatment system to mitigate PFOS/PFOA discharges.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Perform delineation of PFOS/PFOA in groundwater along the pathways to drinking water identified receptors. Installation of granulated activated carbon underway on Main Base groundwater treatment system to mitigate PFOS/PFOA.

Air Force-BRAC

Former
McClellan
AFB

California

	17

	8

	90 - 348 ppt PFOS+PF OA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Area. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Follow the CERCLA process for future investigative and cleanup activities.

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component

Installatio
n

State/Territory	

On-base Groundwater Monitoring Wells

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Off-base Groundwater Monitoring Wells
	Total Number Sampled

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA

Air Force-BRAC

Former
Myrtle
Beach
AFB

South
Carolina

	9

	9

	7,504 - 2,640,00 ppt PFOS+PFOA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Areas. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Follow the CERCLA process for future investigative and cleanup activities.

Air Force-BRAC

Former
Pease AFB

New
Hampshir
e

	229

	137

	70 - 479,500 ppt PFOS+PFOA

	12

	10

	73 - 31,800 ppt PFOS+PFOA

	Completed basewide Preliminary Assessment and completed the site inspection. Received regulatory concurrence on the findings. Interim modification of existing Fire Training Area groundwater treatment systems with granulated activated carbon to mitigate PFOS/PFOA discharges. Designed groundwater treatment systems for a Fire Training Area and aircraft crash site to prevent migration of groundwater above the LHA to drinking water wells.

	Perform delineation of PFOS/PFOA in groundwater along the pathways to drinking water identified receptors. Install interim groundwater mitigation systems at Fire Training Area site and aircraft crash site to prevent migration of groundwater above the LHA to drinking water wells.

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component

	Installatio n

	State/Territory

On-base Groundwater Monitoring Wells

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Off-base Groundwater Monitoring Wells
	Total Number Sampled

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA

Air Force-BRAC

	Former Plattsburgh AFB

	New York

	22

	31

	258 - 1,045,000 ppt PFOS+PFOA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Area. Received regulatory concurrence. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Perform delineation of PFOS/PFOA in groundwater along the pathways to drinking water identified receptors.

Air Force-BRAC

	Former Richards-Gebaur AFB

	Missouri

	4

	4

	3,103 - 372,300 ppt PFOS+PFOA

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Area. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Follow the CERCLA process for future investigative and cleanup activities.

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component

	Installatio n

	State/Territory

	On-base Groundwater Monitoring Wells
	Total Number Sampled

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Off-base Groundwater Monitoring Wells
	Total Number Sampled

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA

Air Force-BRAC	
	Totals:

	Former Wurtsmith AFB

	Michigan

	63
	933

	5
	670

	88 - 810,000 ppt PFOS+PFOA

	89

	49

	Completed basewide Preliminary Assessment and completed the site inspection at the Fire Training Area. Received regulatory concurrence on the findings. Initiated Site Inspections of other AFFF areas identified in Preliminary Assessment. Installed groundwater treatment system to mitigate PFOS/PFOA discharges into Clark's Marsh, mitigating fish tissue accumulation in accordance with State requirements.

	Complete Site Inspection including determination whether drinking water supplies are impacted. Perform delineation of PFOS/PFOA in groundwater along the pathways to drinking water identified receptors. Add granulated activated carbon to existing groundwater treatment systems to mitigate PFOS/PFOA discharges.

Air Force Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1

DoD Component

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), pro

Defense Logisitic Agency

ry of DoD Testing of Groundwater Monitoring Wells and Actions Taken where Results were above the EPA LHA for PFO

	Installation

viding alternative drinking water, adding an activated carbon filter to the well, and blending water systems.

S/PFOA

	State/Territory

On-base Groundwater Monitoring Wells

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Off-base Groundwater Monitoring Wells
	Total Number Sampled

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA

ARMY

Summary of Testing for DoD Drinking Water Systems and Actions Taken where Results were Above the EPA LHAs1
DoD Component

	Installation

State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems Total Number Tested

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

	Non-DoD Purveyor Drinking Water Systems
	Total Number Tested

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

Army

81st RSC:
E. Earle
Rives
AFRC

North
Carolina

	1

	1	<40-90

	PFOS per 2014 Consumer Confidence Report. The results reported were the range of PFOS/PFOA added together. The public water system did not report exceedances due to compliance averaging of all test results.

Army

	99th RSC Martinsburg Memorial USARC

West
Virginia

	1

	1	0-79/0-71

	The results reported were the range of PFOS/PFOA in 2014, and the public water system is not reporting exceedances to users due to compliance averaging of all test results.

Army

	Fort Hunter Liggett

California 1

	1	PFOS = 120

Initial & confirmatory sampling conducted throughout the water system (Nov 16-Feb 17). One well at Fort Hunter Liggett exceeded the LHA for PFOS and has been taken offline. Garrison anticipates having enough volume with 3 operational wells & presumes no need to move forward with additional mitigation and/or GAC treatment for drinking water. Consumer notification conducted 02 Mar 17. Implemented recurring sampling/analysis.	

	Preliminary Assessment (PA) and/or Site Inspection (SI) - Q1 FY18

Army

Summary of Testing for DoD Drinking Water Systems and Actions Taken where Results were Above the EPA LHAs1

Ft.
Leavenwo
rth

Kansas

1

		PFOA + PFOS combined = 97-649
	1	

	American Water owns this system with the wells located on Army property. Two of the system wells were above the LHA and taken off-line. The consumer notification was conducted 06 Mar 17. The remaining wells support the installation current water needs. Army is exploring future options, that includes finding another ground water source, adding GAC, or connecting to local municipality.	

	Contract award to study new source well - late Sep 17. Preliminary Assessment (PA) and/or Site Inspection (SI) - Q1 FY18

DoD Component

	Installation

State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems Total Number Tested

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

	Non-DoD Purveyor Drinking Water Systems
	Total Number Tested

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

Army

	JB Lewis-McChord: Fort Lewis Cantonment

Washingt
on 4

	4	Golf Course: PFOA + PFOS combined = 76-78 JBLM/Main North: PFOA + PFOS combined = 81-87 JBLM Range 17: PFOA + PFOS combined = 72-88 McChord Field: PFOA + PFOS combined = 76-250

Initial, confirmatory and subsequent sampling conducted at multiple systems/wells (Jul 16-Apr 17). Wells exceeding the LHA taken off line. The remaining wells are being used to supply water until a treatment system can be installed. USACE contract working to provide GAC treatment at 5 sites: North Well, South Well, East Well, Housing Well #2, Golf Course Well #22. Consumer notification conducted 02 Mar 17. Implemented recurring sampling/analysis.	

	Award contract to install GAC treatment units at 5 sites: North Well, South Well, East Well, Housing Well #2, Golf Course Well #22 - late Sep 17. Preliminary Assessment (PA) and/or Site Inspection (SI) - Q1 FY18

Army

	Soto Cano AB, HN

Honduras 1

	1	PFOA + PFOS combined = 72.5-82.9

Initial, confirmatory and subsequent sampling conducted at multiple wells (Dec 16-Feb 17). Bottled water is routinely used throughout the installation, except at DFAC (for ice, coffee, tea, etc.); larger carbon filter installed to accommodate the flow rate servicing DFAC; subsequent confirmation sample indicated PFOA/PFOS <LHA at DFAC prep sink; except at DFAC, bottled water will remain the norm for consumption. Implemented recurring sampling/analysis. Consumer notification conducted 09 Mar 17. Implemented recurring sampling/analysis.	

Army

Summary of Testing for DoD Drinking Water Systems and Actions Taken where Results were Above the EPA LHAs1

USAG
Daegu, KR
Camp
Carroll

Korea 1

	1	PFOA + PFOS combined = 76-1,066

Initial, confirmatory and subsequent sampling conducted at multiple wells (Nov 16-Feb 17). Individual system wells with results above the LHA taken off line; currently providing water from wells that have test results below the LHA. USACE contract awarded 20 Mar 17 to install GAC treatment. Consumer notification conducted 07 Mar 17. Implemented recurring sampling/analysis.	

	Completion of installation GAC treatment system(s)

DoD Component

	Installation

State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems Total Number Tested

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

	Non-DoD Purveyor Drinking Water Systems
	Total Number Tested

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

Army

	USAG Daegu, KR Camp Walker

Korea 1

	1	PFOA + PFOS combined = 91-789

Initial, confirmatory and subsequent sampling conducted at multiple wells (Nov 16-Feb 17). System wells with results above the LHA taken off line; currently providing water from local municipality (test results below LHA - PFOA + PFOS combined = 10). USACE contract awarded 20 Mar 17 to install GAC treatment. Consumer notification conducted 07 Mar 17. Implemented recurring sampling/analysis.	

	Completion of installation GAC treatment system(s)

Army

	USAG Red Cloud, KR: Camp Red Cloud

Korea 1

	1	PFOA + PFOS combined = 171-466

Initial, confirmatory and subsequent sampling conducted at multiple wells (Nov 16-Jan 17). Entire system taken off line; initially switching to municipal water. After conducting additional sampling, 3 wells indicated PFOA/PFOS results below the LHA. Because the camp is scheduled for closure within the next 18 months, the solution is to use the wells producing water below LHA supplemented with municipal water; no further mitigation/treatment planned. Consumer notification conducted 07 Mar 17. Implemented recurring sampling/analysis.	

	Continue to use Army system wells producing water below LHA supplemented with municipal water until camp closure

Army

	USAG Red Cloud, KR: Camp Stanley

Korea 1

	1	PFOA + PFOS combined = 80-1,061

Initial, confirmatory and subsequent sampling conducted at multiple wells (Nov 16-Jan 17). Entire system taken off line; initially switching to municipal water. After conducting additional sampling, 2 wells indicated PFOA/PFOS results below the LHA. Because the camp is scheduled for closure within the next 18 months, the solution is to use the wells producing water below LHA supplemented with municipal water; no further mitigation/treatment planned. Consumer notification conducted 07 Mar 17. Implemented recurring sampling/analysis.	

	Continue to use Army system wells producing water below LHA supplemented with municipal water until camp closure

Army

Summary of Testing for DoD Drinking Water Systems and Actions Taken where Results were Above the EPA LHAs1

DoD Component

USAG Benelux - Caserne Daumerie, BE

Installation

State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems
Belgium	

1

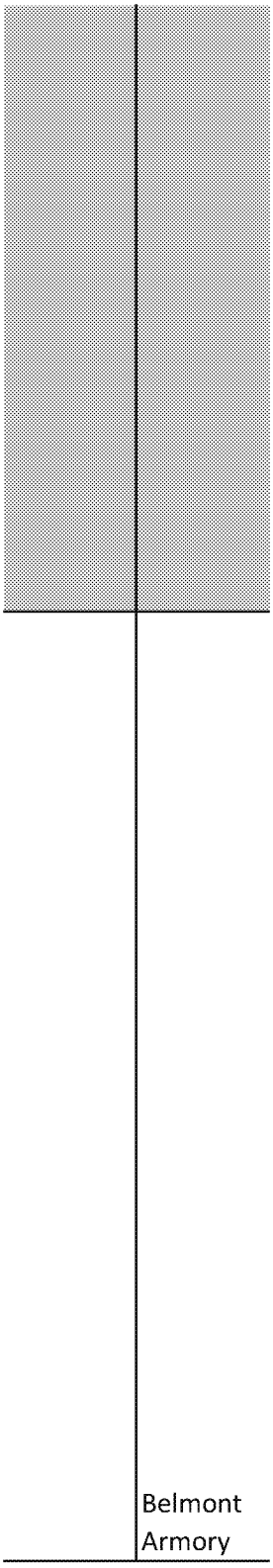
Non-DoD Purveyor Drinking Water Systems

	1	PFOA + PFOS combined = 84-94

	Purchased water - Initial and confirmatory sampling conducted (Mar 17-May 17). Using bottled water. Consumer notification conducted 14 Jul 17.

	Continued use of bottled water until closure/transfer in 6-9 months

Army


Belmont
Armory

	Total Number Tested
Michigan	1

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)
	1	86-96.8

Actions Taken as of August 31, 20172
MIARNG spoke with potential responsible party (PRP) representative about filter systems and long term maintenance. Bottled water has been supplied to armory personnel by MIARNG and PRP.

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA
	MIARNG is waiting for response from PRP, exploring filter system options, and working with state agencies toward resolution.

	Total Number Tested

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

Army

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), prov

	El Campo

viding alternative drinking water, adding an activated carbon filter to the well, and blending water systems.

Texas 1

	1	79

Well is designated as non-potable. Bottled water is being provided for an alternate drinking water supply. A Granular Activated Carbon Filter System installed and confirmation sampling conducted in August 2017.

	Additional sampling will be conducted in November 2017 and February 2018 to determine if filtration system is reducing drinking water below the LHA. If sampling results determine the water source is below the LHA, bottled water usage will be discontinued and the water well reestablished as potable.

Summary of DoD Testing Drinking Water Systems Off-Installation and Actions Taken where Results were Above the EPA LHAs1
DoD Component

Installation

State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems
	Total Number Tested

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

	Off-base Public and Private Drinking Water Systems
	Total Number Tested

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

Army

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), prov

Camp Grayling Joint Maneuver
Training Center

viding alternative drinking water, adding an activated carbon filter to the well, and blending water systems.

Michigan

	188

	4	70-188

	Residential drinking water wells were sampled downgradient of the Camp Grayling Airfield where groundwater samples indicated PFOS/PFOA results > LHA. The Michigan DHHS paid for aquasana drinking water filter systems under counter faucet 3 stage max flow and local Health Dept. had them installed in any home with PFOS/PFOA detections. 42 systems have been installed. An additional 14, purchased by local Health were installed by home owners.

	The Michigan DEQ has been funded to conduct off post residential sampling and hydrologic study. The DHHS and local Health Dept. will continue to purchase filter systems and install them as needed or requested by home owners. Michigan DEQ is continuing to expand the area of drinking water sampling to the east side of the airfield. Numbers of wells are TBD.

Army Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component

Installati
on

State/Territory

On-base Groundwater Monitoring Wells	
Total Number Sampled 47	**Number that Tested above the EPA LHAs1** 13

	Range of Results above EPA LHAs (ppt)
	87-2650

		Off-base Groundwater Monitoring Wells
	Total Number Sampled	

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)	

Actions Taken as of August 31, 20172	Key Actions Planned for FY 2018 and Beyond

Army - Active/ARNG

Army - BRAC

Mtc-H
Camp
Grayling3

Devens3

Michigan

Massachu
setts

72

	32

	77-19000

Installation-wide PA awarded 8/11/17; MDEQ has provided below the sink filtration to off-post residents affected by PFAS in drinking water and has taken lead in off post investigation.	ARNG will proceed with PA and SI on installation while MDEQ continues an off-post groundwater investigation to better understand nature and extend of PFAS impacted groundwater and possible other sources; weekly coordination with MDEQ continues; ARNG award of Grayling Army Airfield RI is planned for on- post in FY18.
Completed PA/SI	Results of SI sampling are being shared and coordinated with MaDEP. RI/FSs are expected to begin in FY18.

Army - Active

Army - Active

Army Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1

DoD Component

Fort
Drum

Fort
McCoy

Installati
on

New York

Wisconsin

**State/Ter
ritory**

24	10
27	16
On-base Groundwater Monitoring Wells	

	128 to >15,000
	81 - 120,000

	Off-base Groundwater Monitoring Wells

Initiated basewide PA	Complete Basewide CERCLA Preliminary Assessment/Conduct CERCLA Site Inspection at the fire training pit.
Conducted confirmation sampling	Conduct CERCLA Preliminary Assessment
Actions Taken as of August 31, 20172	**Key Actions Planned for FY 2018 and Beyond**

Army

Fort
Meade

Maryland

Total Number Sampled	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

	Total Number Sampled
	4

	Number that Tested above the EPA LHAs1
	4

	Range of Results above EPA LHAs (ppt)
	300-87,000

1) Sampled six (6) Fort Meade drinking water supply wells (Non-detect) Sampled 4 GW wells on former Army Property 2) Provided sampling results verbally to EPA/MDE 3) Recommended five-year sampling in conjunction with Groundwater Operable Unit Final 5YR per Army policy for open sites	1) October 2018 - submit sampling results FACT SHEET to stakeholders

Army - BRAC

Fort Ord

California

8	2

	120 - 334

PFOS/PFOA was sampled at OU1, results as indicated. The regulatory agencies agreed to close OU-1 and approved the demolition of all OU1 remaining GW wells and the Northwest Treatment System without any futher action on PFOA/PFOS because the groundwater has existing restrictions and is not migrating off post. The demolition activity was completed in July 2017.	1) The draft OU1 Closeout Report is currently under review by the regulatory agencies and waiting for approval. 2) One additional sampling event is planned for the groundwater monitoring wells at OU2 to screen for PFOA/PFOS in FY18. Any future activities will be based on the sampling results.

Army Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component

Installati
on

**State/Ter
ritory**

	On-base Groundwater Monitoring Wells	
Total Number Sampled		Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

		Off-base Groundwater Monitoring Wells
	Total Number Sampled	

	Number that Tested above the EPA LHAs1

	Range of Results above EPA LHAs (ppt)

Actions Taken as of August 31, 20172	Key Actions Planned for FY 2018 and Beyond

Army - Active

Letterken
ny Army
Depot

Pennsylva
nia

24	

6	82 - 2,069

	3

	0

Iniital sampling was completed in 2013 and compared to the 2009 provisional health adviosry. Sampling was repeated in 2017 at locations where results were above the 2009 provisional health advisory.		Another round of sampling at 16 onpost wells in early FY 18. Most likely site will proceed to RI/FS.

Army - BRAC

Army Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1

North
Penn U.S.
Army
Reserve
Center

Pennsylva
nia

5

4

70 to 276

1

1

	110

Tested 5 on-post ground water monitoring wells with 4 detections at or above EPA LHA (Jun 16). Tested four nearby homes wells that use groundwater(Apr 17). One detection in agricultural well over EPA LHA (110 ppt).		Sept 17: Sampled two groundwater monitoring wells exceeded EPA LHA (21,391 and 33,131 ppt). Plan in Oct 17 resample the two groundwater wells. Additional sampling to be coordinated with PADEP and Township.

DoD Component
Army - BRAC
Totals:

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), prov

3: This installation is not one of the 61 Army installations with one or more areas where there is a known or suspected re

Installati on

Seneca Army Ammuniti on Plant3

Former McClellan AFB
Former Myrtle Beach AFB
Former Pease AFB
Former Plattsburgh AFB

viding alternative drink
lease of PFOS or PFOA

State/Territory
New York

On-base Groundwater Monitoring Wells	
Total Number Sampled	Number that Tested above the EPA LHAs1
43	16
178	**67**

	Range of Results above EPA LHAs (ppt)
	580- 89,000
	70 - 120,000

	Off-base Groundwater Monitoring Wells
	Total Number Sampled
	80

	Number that Tested above the EPA LHAs1
	37

	Range of Results above EPA LHAs (ppt)
	77 - 19,000

Actions Taken as of August 31, 20172	Key Actions Planned for FY 2018 and Beyond
PA/SI completed for 3 sites; Airfield below LHA, the Fire Training Area below HA, and the Fire training and demonstration pad which exceeded HA. The State and EPA agreed NFA is likely because of existing GW restrictions.	No further action (NFA) will be recommended due to existing land use control (LUC) and GW use prohibition, however the Fire Training and Demonstration Pad may have to be characterized further for source and extent of PFOS/PFOA contamination.

Former Richards-Gebaur AFB
Former Wurtsmith AFB

DoD Component Summary

Number of Installations and Drinking Water Systems Tested for Perfluorooctane Sulfonate (PFOS) Perfluorooctanoic A

Summary of DoD Drinking Water Systems
DoD Component

cid (PFOA)

	Number of Installations in US/Territories/Overseas1	Number of DoD Drinking Water Systems for DoD Installations

	Number of DoD Drinking Water Systems Tested by Either DoD or the non-DoD Purveyor	Number of DoD Drinking Water Systems Tested Where PFOS/PFOA > EPA LHA3

Army	
Navy	
USMC	
Air Force	
DLA	
DoD Totals	

Footnotes:

1: Includes Guard and Reserve facilities.

2: Non-DoD purveyor tested most of these systems so far as required under the EPA's Unregulated Contaminant Monitor

3: The EPA Lifetime Health Advisories (LHAs) for PFOS and PFOA are 70 parts per trillion (individually or combined).

The information included in the table above is current as of August 31, 2017.

		Do D Pur vey or		Non-DoD Purve yor
	2,905	255		2,738
	108	100		236
	68	28		52
	177	140		134
	8	1		7
	3,266	**524**		**3,167**

ing Rule 3 or per request from DoD. For systems not tested, the DoD Components are assessing on a case-by-case ba

	DoD Purveyor	Non-DoD Purveyor 2	DoD Purveyor
	255	1,589	12
	100	236	5
	28	52	1
	140	134	6
	1	7	0
	524	**2,018**	**24**

sis to determine if the systems may be impacted and r

Moody AFB
Patrick AFB
Peterson AFB
Robins AFB
Tinker AFB
Travis AFB
Horsham
Former Bergstrom AFB
Former Castle AFB
Former Chanute AFB
Former England AFB
Galena Forward Operating Location
General Mitchell Air Reserve Station
Former George AFB

Former Grissom AFB
Former Kelly AFB
Former K.I. Sawyer AFB
Former Loring AFB
Former March AFB
Former Mather AFB
Former McClellan AFB
Former Myrtle Beach AFB
Former Pease AFB
Former Plattsburgh AFB
Former Richards-Gebaur AFB
Former Wurtsmith AFB

Non-DoD Purveyor
4
1
2
5
0
12

NAVY

Summary of Testing for DoD Drinking Water Systems and Actions Taken where Results were Above the EPA LHAs1
DoD Component

	Installation

Navy

	NAS Oceana - NALF Fentress

Navy

	NSA Monterey - Naval Radio Transmitter Facility Dixon

Navy

	NSF Diego Garcia

Navy

Summary of Testing for DoD Drinking Water Systems and Actions Taken where Results were Above the EPA LHAs1

Weapons Station Seal Beach-NOSC Moreno

DoD Component

	Installation

USMC

	Marine Forces Reserve (MARFOR RES)- Marine Corps Reserve Training Center (MCRTC) Stewart

USMC

Summary of Testing for DoD Drinking Water Systems and Actions Taken where Results were Above the EPA LHAs1

MARFORRES-MCRTC Wilmington

DoD Component

	Installation

USMC

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), prov

	MCB Camp Pendleton (South)

viding alternative drinking water, adding an activated carbon filter to the well, and blending water systems.

Summary of Testing Drinking Water Systems Off-Installation and Actions Taken where Results were Above the EPA LHAs1
DoD Component

Installation

Navy
Navy - BRAC

Naval Base Kitsap - NARL Barrow
Agana

Navy

Navy

NAS Oceana - NALF Fentress
NAS Whidbey Island - Ault Field (Private)

Navy
Navy
Navy

NAS Whidbey Island - OLF Coupeville (Private)
NAS Whiting Field (Main Base)
NMC Earle

Navy - BRAC

Navy - BRAC

Navy - BRAC

Navy - BRAC

Warminster (Private)
Warminster (Public)
Willow Grove (Private)
Willow Grove (Public)

USMC

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), prov

Navy/USMC Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component2

MCLB
Barstow

Patrick AFB
Peterson AFB
viding alternative drinl Robins AFB

Installati
on

Navy - BRAC
Navy - BRAC
Navy - Active
Navy - BRAC
Navy - Active
Navy - Active

Agana

Alameda

Amchitka
Alaska

Annapolis

Barrow

Bedford
Massachu
setts
Naval
Weapons
Industrial
Reserve
Plant

Navy - BRAC
Navy - Active
Navy - Active
Navy - Active
Navy - Active
Navy - Active
Navy - BRAC

Brunswick

Calverton

Chesapeake Beach

China Lake

Corpus Christi Texas Naval Air Station Cutler

Dallas

Navy/USMC Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1

DoD Component2

Navy - Active

Installati
on

Earle

Navy - Active
Navy - Active
Navy - Active
Navy - BRAC
Navy - Active
Navy - Active
Navy - Active

Gulfport

Jacksonville

Meridian

Millington

Naval Air Station Whidbey Island (Ault field)

Naval Air Station Whidbey Island (OLF Coupeville)

Naval Auxiliary Landing Field Fentress (Oceana)

Navy - Active
Navy - Active
Navy - Active
Navy/USMC Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component2

NAS
Oceana

Newport

Norfolk
Virginia
Naval
Base

Installatio
n

Navy - Active
Navy - Active
Navy - Active
Navy - Active
Navy - Active
Navy - BRAC
Navy - BRAC
Navy - BRAC
Navy - BRAC

NAS Pensacola (Outlying Landing Field Bronson

Pensacola

Port Hueneme

Portsmouth Naval Shipyard

NAS Pensacola; OLF Saufley Field

South Weymouth

Treasure Island

Trenton

Warminster

Navy - BRAC
Navy - BRAC
Navy Subtotals:
Navy/USMC Installations where DoD Sampled Groundwater Monitoring Wells and Actions Taken where Results were Above the EPA LHAs1
DoD Component2

White Oak - Naval Surface Warfare Center Dahlgren Division Detachment (Silver Spring)

Willow Grove

Installation

USMC - Active
USMC - BRAC
USMC - BRAC
USMC - Active
USMC - Active

Barstow

El Toro
Marine
Corps Air
Station

Tustin

Twentyni
ne Palms

Yuma

	USMC Subtotals:
Navy/USMC Totals:	

Footnotes:

1: The EPA Lifetime Health Advisories (LHAs) for PFOS and PFOA are 70 parts per trillion (individually or combined).

2: The Navy plans, programs, budgets, and executes the Defense Environmental Restoration Program for the U.S. Marine

3: Examples of actions taken include but are not limited to: sampling and analysis, retesting, shutting down a well(s), prov

4: The Navy investigated known or suspected PFOS/PFOA releases at several BRAC installations, captured collectively her

Corps.
viding alternative drinking water, adding an activated carbon filter to the well, and blending water systems.
e.

State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems
	Total Number Tested

Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

Virginia	1

1	2,800- 4,900

Drinking water sampling and analysis. Navy provided alternative drinking water, upgraded wastewater treatment plant, design/construction for water treatment plant.	

	Anticipating that the drinking water system will be approved for operation by the state in late 2017. Will continue to monitor finished water for PFOS/PFOA as required for operation and maintenance of the system.

California 1

1	260

Drinking water sampling and analysis. Navy is providing alternative drinking water. System was retested and regional water quality board was notified.

	Will continue to track issues as the state investigates the source. Continue to provide alternate water to the installation.

Diego
Garcia

5

3	77-5,849

Alternate drinking water was already being provided due to other contaminants. Installation drinking water system reconfiguration in 2017, which changed the total number of systems and the number affected. A new treatment plant was installed for the Main System and the Deep Draft Wharf System had minor repair/reconfiguration performed. Deep Draft Wharf tested below the LHA since Dec. 2017 and the Main System tested below the LHA in July 2017.	

	Continued monitoring for PFOS and PFOA at the two impacted systems

California	N/A

N/A	N/A

None required, consecutive system receiving water that has been tested by supplier.

	None Required

State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems
	Total Number Tested

Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

New York	N/A

N/A	N/A

None required; consecutive system receiving water that has been tested by supplier.	

	None Required

Delaware	N/A

N/A	N/A

None required; consecutive system receiving water that has been tested by supplier.

	None Required

State/ Territory/ Overseas Location	DoD Purveyor Drinking Water Systems
	Total Number Tested

Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

California	1

1	77

-One sample exceeded the PFOS/PFOA combined Health Advisories Level. -The affected reservoir was drained and replaced with water from another source. -Resampling confirmed levels below the Health Advisories Level in the current water supply and levels slightly above the Health Advisories Level in the well taken out of service. Installation will continue to monitor the system.	

	Installation will continue to monitor the system.

State/ Territory/ Overseas Location		DoD Purveyor Drinking Water Systems
		Total Number Tested

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

	Off-base Public and Private Drinking Water Systems
	Total Number Tested

Alaska		N/A
Guam		N/A

	N/A	N/A
	N/A	N/A

	Not an active installation
	N/A

	None Required
	N/A

	5*
	12

Virginia		N/A
Washington		N/A

	N/A	N/A
	N/A	N/A

	N/A - Navy owned drinking water system.
	There are no private wells on installation

	N/A
	None Required

	54
	103

Washington		2
Florida		1
New Jersey		1

	0	ND-17.5
	0	N/A
	0	N/A

	Coupeville Trainer water system had detections below the LHA.
	None required
	The Navy tested one system at Earle and three other systems were tested by the supplier. There were no PFOS/PFOA detections at any of the systems

	None Required
	None Required
	None Required

	100
	9
	28

Pennsylva nia		N/A
Pennsylva nia		N/A
Pennsylva nia		N/A
Pennsylva nia		N/A

	N/A	N/A
	N/A	N/A
	N/A	N/A
	N/A	N/A

	N/A
	N/A
	N/A
	N/A

	N/A
	N/A
	N/A
	N/A

	345
	17
	492
	14

California	2

State/Territory

	0	N/A

	On-base Groundwater Monitoring Wells

	None required

	None Required

	Off-base Groundwater Monitoring Wells

	2

Guam

California

Alaska

Maryland

Alaska

Massachu
setts

	5
	30
	1
	68
	5* (surface water)
	8

	Number that Tested above the EPA LHAs1	Range of Results above EPA LHAs (ppt)
	2	272 - 314
	16	112 - 336,000
	1	144
	54	70 - 70,000
	5* (surface water)	143.6 - 262.3
	1	167

	Total Number Sampled
	0
	0
	0
	0
	0
	0

	Number that Tested above the EPA LHAs1
	N/A
	N/A
	N/A
	N/A
	N/A
	N/A

Maine

New York

Maryland

California

Texas

Maine

Texas

	139
	13
	18
	11
	14
	19
	22

	70	71 - 24,000
	7	89 - 2700
	Shallow GW: 9 Deep GW: 0	190 - 241,110
	7	3,800 - 8,000,000
	4	229 - 510
	4	161 - 350
	16	70 - 1,247,000

	0
	0
	0
	0
	0
	0
	0

	N/A
	N/A
	N/A
	N/A
	N/A
	N/A
	N/A

State/Territory

New Jersey

	On-base Groundwater Monitoring Wells

	Number that Tested above the EPA LHAs1	Range of Results above EPA LHAs (ppt)
	13	70 - 228

	Off-base Groundwater Monitoring Wells
	Total Number Sampled
	0

	Number that Tested above the EPA LHAs1
	N/A

Mississipp
i

Florida

Mississipp
i

Tennesse
e

Washingt
on

Washingt
on

Virginia

	18
	17
	40
	4
	5
	27
	29

	5	91 - 480
	17	3,410 - 1,397,120
	17	123 - 23,000
	2	70 - 1,238
	2	28,470 - 58,922
	2	70 - 1193.26
	17	80.8 - 52,900

	0
	0
	0
	0
	0
	0
	0

	N/A
	N/A
	N/A
	N/A
	N/A
	N/A
	N/A

Virginia
Rhode Island
Virginia
State/Territory

	37
	58
	45
	On-base Groundwater Monitoring Wells

	14	74 - 493,600
	20	95 - 20,420
	29	73 - 3,373

	0
	0
	0
	Off-base Groundwater Monitoring Wells

	N/A
	N/A
	N/A

Florida

Florida

California

Maine

Florida

Massachu
setts

California

New
Jersey

Pennsylva
nia

	Total Number Sampled
	23
	9
	4
	4
	14
	186
	3
	38
	97

	Number that Tested above the EPA LHAs1	Range of Results above EPA LHAs (ppt)
	3	71.5 - 1,145
	9	84 - 126,300
	4	51,000 - 1,080,000
	1	139.68
	13	250 - 79,000
	109	71 - 256,000
	3	160 - 10,750
	23	178 - 27,800
	92	75 - 19,000

	Total Number Sampled
	0
	0
	0
	0
	0
	0
	0
	1
	47

	Number that Tested above the EPA LHAs1
	N/A
	N/A
	N/A
	N/A
	N/A
	N/A
	N/A
	1
	40

Maryland

Pennsylva
nia

**State/Ter
ritory**

	16
	161
	1,201
	On-base Groundwater Monitoring Wells

	8	73.9 - 1,365
	108	70 - 86,000
	707	**70 - 8,000,000**

	0
	0
	48
	Off-base Groundwater Monitoring Wells

	N/A
	N/A
	41

California

California

California

California

Arizona

	Total Number Sampled
	37
	18
	3
	5
	29

	Number that Tested above the EPA LHAs1	Range of Results above EPA LHAs (ppt)
	16	80 - 138
	6	77.6 - 3,826
	3	423 - 770,000
	2	318 - 440
	8	75 - 185

	Total Number Sampled
	0
	4
	0
	0
	0

	Number that Tested above the EPA LHAs1
	N/A
	1
	N/A
	N/A
	N/A

	92
	1,293

	35	75 - 770,000
	742	70 - 8,000,000

	4
	52

	1
	42

Non-DoD Purveyor Drinking Water Systems	
Total Number Tested	Number that Tested above the EPA LHAs1

Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

N/A	N/A

N/A	N/A

	N/A

N/A	N/A

N/A	Nearby county property tested their wells which are in a deeper aquifer and had no detections of PFOS/PFOA. No known source of contaminants on Navy property, state has been advised and is looking for potential sources.

	None required

N/A	N/A

N/A	N/A

	N/A

N/A	N/A

125-135	Navy confirmed that the Eastern Municipal Water District has taken the impacted well off line and NOSC Moreno is not being impacted. They are working with March Air Reserve Base to determine clean-up requirements.

	None required

Non-DoD Purveyor Drinking Water Systems	
Total Number Tested	Number that Tested above the EPA LHAs1

Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

N/A	N/A

140-170	The Marine Corps has a Reserve Unit that is a tenant on the Stewart Air National Guard Base, who purchases water from City of Newburgh, NY. City of Newburgh, as of May 2016, has stopped using the contaminated water source and is connected to alternate water systems that are PFOS free. The current water provided (Catskill Aqueduct and Brown's Pond) meets all regulatory levels and are below the LHAs. Additionally, the State of NY has made this a state Superfund site (Air Force National Guard has the lead).

	All sampling & corrective actions were complete d by water supplier (not USMC)

N/A	N/A

PFOS: 130 1,800 PFOA: 140	Artesian Water Company detected PFOS as a result of testing conducted under UCMR3 in 2014. Upon detection, Artesian discontinued the use of the wells where the contamination was identified. In 2015, Artesian installed new carbon filtration units and aeration equipment to remove the newly detected contaminant to levels of non-detect at Jefferson Farms treatment facility in New Castle County.

	All sampling & corrective actions were completed by water supplier (not USMC)

Non-DoD Purveyor Drinking Water Systems	
Total Number Tested	Number that Tested above the EPA LHAs1

Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

N/A	N/A

N/A	

	None required

	Number that Tested above the EPA LHAs1	Results (PFOS/ PFOA) or Range above EPA LHAs (ppt)

	Actions Taken as of August 31, 20172

	Actions Planned after August 31, 2017, and Timeline to Implement the Actions to Reduce PFOS/PFOA Below LHA

	5*	144 - 262
	5	88 - 410

	*Surface water (Imikpuk Lake) sampled; serves as intermittent water source for hunters and village elders.
	Sampling conducted by Guam Waterworks Authority. Wells are treated with GAC.

	Continue investigation
	None required

	7	74 - 1,660
	2	140 - 3,823

	Addressed current exposure. Bottled water to 6 residents (one property has 2 wells); installation of 5 point of entry treatment units and running pilot tests (1 resident has not agreed to treatment system).
	Addressed current exposure. Bottled water to two residents

	Continued monitoring of homes with treatment systems and continued bottled water to one resident, with additional requests to install a treatment system.
	Various options currently being evaluated; resolution likely will be residence-specific.

	7	130 - 660
	1	259
	2	70 - 228

	Bottled water to 9 residents (2 of 7 wells serve 2 residents)
	Addressed current exposure. Bottled water to one resident
	Addressed current exposure. Bottled water supplied until connections to municipal water were completed.

	Various options currently being evaluated; resolution likely will be residence-specific.
	Evaluate long-term solutions so resident does not have to stay on bottled water.
	No future actions for drinking water needed.

	65	71 - 1,800
	4	88 - 1,300
	92	72 - 8,100
	7	74 -1,000

	Bottled water provided. Connection to Public water
	Environmental Services Cooperative Agreement (ESCA) with water authorities for Public well treatment
	Bottled water provided. Connection to Public water
	ESCA with water authorities for Public well treatment

	Continue to connect to Public water. Approximately 1 year from exceedance
	Provide Public well treatment. Approximately 1 year from ESCA finalization
	Continue to connect to Public water. Approximately 1 year from exceedance
	Provide Public well treatment. Approximately 1 year from ESCA finalization

	1	103

	Addressed current exposure. Bottled water to one resident at a rental property. Renter moved out; property currently vacant.

	Actions Taken as of August 31, 20173

	Continue monitoring

	Key Actions Planned for FY 2018 and Beyond

	Range of Results above EPA LHAs (ppt)
	N/A
	N/A
	N/A
	N/A
	N/A
	N/A

	Sampling Performed
	Sampling Performed
	Sampling Performed
	Sampling Performed
	Sampling performed
	Initiated PA/SI

	Notification of sampling results to property owner and/or regulatory stakeholders
	Notification of sampling results to property owner and/or regulatory stakeholders
	Continue CERCLA process
	Continue CERCLA process
	Continue CERCLA process
	Continue CERCLA process

	N/A
	N/A
	N/A
	N/A
	N/A
	N/A
	N/A

	Sampling to support basewide RI
	Initiated PA/SI
	Initiated PA/SI
	Initiated PA/SI
	Initiated PA/SI
	Initiated PA/SI
	Sampling Performed

	Continue CERCLA process
	Continue CERCLA process
	Continue CERCLA process
	Continue CERCLA process
	Continue CERCLA process
	Continue CERCLA process
	Conduct Affected Property Assessment Report (APAR)

	Range of Results above EPA LHAs (ppt)
	N/A

	Actions Taken as of August 31, 20173
	Completed off-base DW sampling; Mitigation of municipal water connection completed; initiated RI

	Key Actions Planned for FY 2018 and Beyond
	Continue CERCLA process

	N/A
	N/A
	N/A
	N/A
	N/A
	N/A
	N/A

	Initiated PA/SI
	Initiated PA/SI
	Initiated PA/SI
	Sampling Performed
	Completed off-base DW sampling; providing alternative drinking water; initiated PA/SI
	Completed off-base DW sampling; providing alternative drinking water; initiated PA/SI
	Working with City to install off-base monitoring wells

	Continue CERCLA process
	Continue CERCLA process
	Continue CERCLA process
	Notification of sampling results to property owner and/or regulatory stakeholders
	Continue CERCLA process
	Continue CERCLA process
	Continue CERCLA process

	N/A
	N/A
	N/A

	Completed off-base DW sampling; coordinating potential LUCs; initiated PA/SI
	Initiated PA/SI
	Initiated PA/SI
	Actions Taken as of August 31, 20173

	Continue CERCLA process
	Continue CERCLA process
	Continue CERCLA process
	Key Actions Planned for FY 2018 and Beyond

	Range of Results above EPA LHAs (ppt)
	N/A
	N/A
	N/A
	N/A
	N/A
	N/A
	N/A
	112
	75 - 8,500

	Initiated PA/SI
	Initiated PA/SI
	Initiated PA/SI
	Initiated PA/SI
	Initiated PA/SI
	Sampling to support basewide RI
	Sampling Performed and Notification
	Sampling Performed
	Sampling to support basewide RI

	Continue CERCLA process
	Continue CERCLA process
	Continue CERCLA process
	Continue CERCLA process
	Continue CERCLA process
	Continue CERCLA process
	Continue CERCLA Process (Evaluate in Five Year Review)
	Continue CERCLA process
	Continue CERCLA process

	N/A
	N/A
	75 - 8,500

	Sampling Performed
	Sampling to support basewide Remedial Investigation (RI)
	Actions Taken as of August 31, 20173

	Notification of sampling results to property owner and/or regulatory stakeholders
	Continue CERCLA process
	Key Actions Planned for FY 2018 and Beyond

	Range of Results above EPA LHAs (ppt)
	N/A
	81.2 - 101.5
	N/A
	N/A
	N/A

	Completed off-based DW sampling; providing alternative water supply; Initiated PA/SI
	Sampling Performed
	Sampling Performed
	Initiated PA/SI
	Initiated PA/SI

	Continue CERCLA process
	Notification of sampling results to property owner and/or regulatory stakeholders
	Notification of sampling results to property owner and/or regulatory stakeholders
	Continue CERCLA process
	Continue CERCLA process

	81.2 - 101.5
	75 - 8,500

Defense Logostics Agency Installations where DoD Sampled Groundwater Monitoring W	
DoD Component2	**Installatio**
DLA Energy	DFSP New
DLA Energy	DFSP Verc
Footnotes:	

1: The EPA Lifetime Health Advisories (LHAs) for PFOS and PFOA are 70 parts per trillion (individually or comb

2: DLA Energy plans, programs, budgets, and executes investigation and cleanup of fuel releases through Defen

3: Examples of actions taken include but are not limited to: sampling and analysis, retesting, shutting down a wel

4: DLA Energy is working to close this site and return property to Air Force

ells and Actions Taken where Results were Above the EPA LHAs[1]

n

ington[4]

na[4]

ined).

se Working Capital Fund.

l(s), providing alternative drinking water, adding an activated carbon filter to the well, and blending water systems

	State/Territory
	New Hampshire
	New York

.

	On-base Groundwater Monitoring Wells	
	Total Number Sampled	
	11	
	9	

Number that Tested above the EPA LHAs[1]	Range of
9	90-1270 ppt
5	86-1300 ppt

	Off-base Groundwater Monitoring Wells
Results above EPA LHAs (ppt)	**Total Number Sampled**
	0
	0

	Number that Tested above the EPA LHAs[1]
)	
)	

	Range of Results above I LHAs (ppt)
N/A	N/A
N/A	N/A

EPA	Actions Taken as of August 31,	Key Actions Planned for FY 2018 to Reduce PFOS/PFOA Below LHA
	N/A	Actions under development in coordination with regulators
	N/A	Actions under development in coordination with regulators

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