

Per- and polyfluoroalkyl substances (PFAS) are a large class of chemicals found in many consumer products, as well as in industrial products such as certain firefighting agents called aqueous film forming foam (AFFF). In the 1970's, the Department of War (DOW) began using AFFF, which is the most efficient extinguishing method for petroleum-based fires and is widely used across the firefighting industry, to protect people and property. Under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the Department of the Air Force (DAF) has identified locations where PFAS releases off-base have impacted drinking water. DAF remains committed to fulfilling our PFAS-related cleanup responsibilities and is taking necessary actions to incorporate the EPA's final regulatory standard for certain PFAS under the Safe Drinking Water Act into the current cleanup process.

IDENTIFY & INVESTIGATE



Preliminary Assessments (PAs) 204/204 and Site Inspections (SIs) 191/191*

BRAC: 39 PAs; 30 SIs
Active/Reserve: 90 PAs; 86 SIs
ANG: 75 PAs; 75 SIs



Remedial Investigations (RIs) in progress (153/192)*

BRAC: 29 OF 31 RIs
Active/Reserve: 84 OF 86 RIs
ANG: 40 OF 75 RIs

* PA and SI focused on AFFF-sources; DAF is currently evaluating potential release of PFAS from non-AFFF-sources, and if release is confirmed, will include in future RIs
 Of the 204 locations, 12 did not have PFAS releases above screening levels; one BRAC location (Former Homestead AFB) did not have SI, and RI was initiated following PA based on sampling done during property leasing

RESPOND

CERCLA DRINKING WATER RESPONSES

37 Installations Private Drinking Water Wells

- Bottled water • Point-of-use filtration
- Whole-house filtration • New well installation
- Municipal Water Supply hookup

14 Installations Public Drinking Water Systems

Funded public water purveyors to:

- Install filtration systems
- Perform operation & maintenance

18 Installations (33 projects) Interim Response Actions

- Installation of groundwater extraction and/or treatment systems
- Removal of PFAS impacted soils
- Retrofit of legacy groundwater treatment systems to treat PFAS
- 2 additional projects planned at 2 other installations



PREVENT

PAST ACTIONS

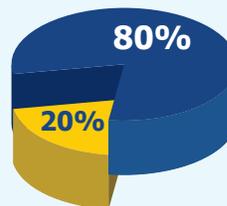
By 2018, DAF completed conversion of legacy AFFF to C6 AFFF in facilities, fire vehicles and storage stockpiles. DAF disposed of 979,000 gallons of legacy AFFF.

CURRENT ACTIONS

100%

- DAF-operated AFFF and High Expansion Foam (HEF) hangars locked out/tagged out (539/539) since Mar 2023*
- AFFF removal and disposal complete for OCONUS facilities (132)
- AFFF removal and conversion to F3 complete for fire vehicles (1,087)

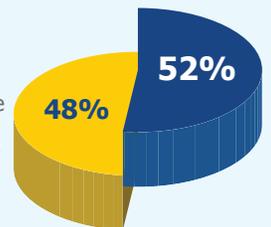
80% of AFFF concentrate/rinsate from **fire vehicles/storage** disposed; 100,000 gallons remaining



In-Progress**

- Facility AFFF removal/disposal for CONUS bases
- ANG fire vehicle disposal for 38 bases

52% of AFFF concentrate/rinsate in **facilities** disposed; 215,370 gallons remaining



\$45M

- OCONUS AFFF facility removal/disposal
- CONUS AFFF facility removal/disposal
- AFFF disposal and F3 transition for fire vehicles

\$2.10 Billion Total Force expenditures*** PFAS actions to date

*Does not include hangars at Government Owned Contractor Operated (GOCO) Air Force Plants. Two presidential airlift hangars in service have F3
 **DOW granted two one-year extension for the AFFF sun-down and DAF will meet the new suspense of 1 Oct 2026 for all facilities and vehicles
 ***expenditure as of Dec 2025

INNOVATIVE TECHNOLOGIES

DAF is currently hosting **24** technology demonstration projects at **17** installations to collaborate with DOW in developing and field testing innovative technologies to treat or destroy PFAS in soil, water and AFFF concentrate

DOW has invested over **\$350M** to-date, to advance technologies to expedite PFAS cleanup and test and develop Fluorine Free Foam (<https://serdp-estcp.mil/>)

DAF funds innovative technologies through the "Broad Agency Announcement (BAA)" and Air Force Research Lab contracts to demonstrate and validate technologies for DAF-specific needs

Installations Status Update*

Active/Reserve Installations

AFP 44, AZ: 1 NTCRA EE/CA with GW treatment

Cannon AFB, NM: 2 off-base PDWWs impacted; 1 property has 3 FSI and 1 property owner declined a response action; NTCRA to mitigate GW migration in Southeast Corner operating May '25, and in North Playa treatment design underway

Davis-Monthan AFB, AZ: No off-base private drinking water wells impacted: 3 public water wells taken offline; Environmental Services Agreement with state regulator for off base pilot filter system plant O&M, NTCRA EE/CA at base boundary for impacted GW migration

Dover AFB, DE: 9 off-base PDWWs impacted: 9 FSI

Eielson AFB, AK: 169 off-base PDWWs impacted: 156 connected to municipal water; 9 FSI; 3 BWP; 1 property owner declined a response action. GAC system installed at an on-base water treatment plant. NTCRA for treatment of GW plume

Ellsworth AFB, SD: 25 off-base PDWWs impacted: 4 connected to municipal water, 17 FSI, 2 BWP, 1 pending response action, 1 well abandoned. 1 public well impacted: FSI at mobile home park

Fairchild AFB, WA: 110 off-base PDWWs impacted: 3 connected to municipal water, 91 FSI, 10 BWP; 4 wells not in use; 1 pending response action, 1 no action required as property owner self-connected to municipal water. 3 municipal wells impacted (1 FSI and 1 well inactive) and an Environmental Services Agreement with City of Airway Heights for reimbursing drinking water impacts due to PFAS in supply wells. NTCRA includes a GW PTS pilot study at FT004

Goodfellow AFB, TX: 33 off-base PDWWs impacted: 2 connected to municipal water, 23 FSI, 1 BWP, 1 property unoccupied, 6 no action required as property owners self-connected to municipal water. NTCRA with GW pilot study at base boundary to control PFAS migration off base

Homestead ARB, FL: 6 off-base PDWWs impacted; 3 FSI, 2 BWP, 1 well not used for drinking water

Hurlburt Field, FL: 1 off-base PDWWs impacted; property owner declined a response action.

JBER-Fort Yukon LRRS, AK: 1 on-base well impacted: FSI

JB McGuire-Dix-Lakehurst, NJ: 6 off-base PDWWs impacted: 4 connected to municipal water, 1 FSI, 1 BWP

JBSA Randolph, TX: 4 off-base PDWWs impacted: 3 FSI, 1 BWP. NTCRA for pilot study to build a slurry wall and treatment system at base boundary

Little Rock AFB, AR: 5 off-base PDWWs impacted: 3 FSI, 2 BWP

Luke AFB, AZ: 3 off-base PDWWs impacted: 3 connected to municipal water. 4 municipal wells impacted with FSI. 2 NTCRAs for an ion-exchange system installed and ongoing treatability study at Valley Utilities, and feasibility study for PTS upgradient of impacted municipal and private wells

McConnell AFB, KS: 3 off-base PDWWs impacted; 1 connected to municipal water, 2 BWP

Mountain Home AFB, ID: 2 on-base drinking water wells impacted: 1 well replaced by non-impacted well; 1 decommissioned and facility connected to base drinking water system. Base operates 3 other drinking water wells located in non PFAS impacted areas

New Boston SFS, NH: No off-base private drinking water well impacted. FSI for 1 building using impacted GW source

Peterson SFB, CO: 30 off-base private drinking water wells impacted: 2 connected to municipal water, 16 FSI, 1 BWP, 1 FSI at mobile home parks, 10 non-Air Force led response actions in place; 38 municipal wells impacted with FSI and 1 public well impacted with FSI at mobile home park.

Scott AFB, IL: 1 off-base PDWW impacted: FSI

Shaw AFB, SC: 56 off-base PDWWs impacted: 30 connected to municipal water, 13 BWP, 2 pending long-term response actions, 6 property owners declined a response action, 2 properties unoccupied, 3 no longer require a response action. 3 public wells impacted: BWP with connections to municipal water pending at 3 mobile home parks. IRA to treat GW at 3 former FTA sites operating Apr '25.

Tinker AFB, OK: 7 off-base PDWWs impacted: 1 FSI, 5 connected to municipal water, 1 well abandoned. NTCRA with SW and GW pilot study at base boundary

Travis AFB, CA: 3 off-base PDWWs impacted: 3 FSI

Wright-Patterson AFB, OH: 2 on-base wells impacted, GAC system installed. 3 NTCRAs for 5 AFFF sites to treat PFAS-impacted GW and SW

BRAC Installations

Former Castle AFB, CA: 3 off-base PDWWs impacted, 3 FSI. 1 public well impacted and currently inactive. 2 existing groundwater treatment systems with GAC.

Former Chanute AFB, IL: Treatment installed for discharge permit from former landfill leachate

Former George AFB, CA: 1 off-base PDWW; FSI

Former K.I. Sawyer AFB, MI: 1 off-base PDWW; FSI

Former March AFB, CA: 2 off-base PDWWs impacted; 2 connected to municipal water. 1 public well impacted and carbon treatment system on-line, cooperative agreement in place. Ongoing O&M at existing groundwater treatment systems

Former Mather AFB, CA: 2 off-base PDWWs impacted: 2 BWP. 3 public wells impacted; 2 treatment systems installed (1 DAF installed, 1 purveyor installed) and 1 DAF refurbished existing well. Ongoing O&M at 2 existing groundwater treatment systems with GAC

Former Pease AFB, NH: 5 off-base PDWWs impacted: 2 connected to municipal water, 2 FSI, and 1 well shutdown. Also, 7 off-base PDWWs above NH MCLs: 3 connected to municipal water, 1 DAF-FSI, 2 private FSI, 1 BWP by NH. 2 public wells impacted: both carbon treatment systems online, cooperative agreement in place for O&M. IRA for 2 GW treatment systems

Former Plattsburgh AFB, NY: 4 off-base PDWWs impacted: 3 FSI, 1 BWP. 3 off-base PDWWs above NY levels, and State of NY has FSI for all 3 wells

Former Reese AFB, TX: 276 off-base PDWWs impacted: 1 municipal connection, 256 FSI, 1 BWP, 3 wells not used for drinking water, 12 wells abandoned, 4 properties unoccupied. 3 public wells impacted: 1 FSI, 1 BWP to 77 residents as treatment system is planned, 1 connected to municipal water. IRA for GW treatment systems

Former Wurtsmith AFB, MI: 1 off-base PDWW impacted: connected to municipal water. 10 interim response actions underway: GW treatment at former FTA (TCRA), Central Treatment System (TCRA), Mission System retrofits to remove PFAS (NTCRA), former FTA expansion of GW treatment system near Clark's Marsh (IRA), Van Etten Lake GW treatment (IRA), Alert Aircraft Area GW treatment (IRA), under design Defense Reutilization and Marketing Office and Landfill 030/031 (combined IRA), 3 Pipes Ditch Source Area (IRA), Wastewater Treatment Plant (IRA), 3 Pipes Ditch Stormwater Pipe Sealing (NTCRA). Completed soil removal at former FTA (TCRA)

ANG Installations

Barnes ANGB, MA: No impacts to off-base private drinking water wells. 2 municipal wells impacted; treatment system online and cost reimbursed to city

Biddle ANGB (Formerly Horsham), PA: 67 off-base private drinking water wells impacted: 65 connected to municipal water, 1 well abandoned, 1 well determined not from ANG releases. 5 municipal wells impacted with FSI. 2 on-base drinking water wells impacted with FSI. 2 NTCRAs: 1 GAC SW treatment system and 1 GW pilot study

Burlington ANGB, VT: IRA to continue long-term O&M for GW treatment system

Gabreski ANGB, NY: 2 municipal wellfields impacted, 2 FSI. Cost reimbursement to Suffolk Water Authority

McEntire ANGB, SC: 3 off-base PDWWs impacted, 3 FSI

Montana ANGB, MT: 1 off-base PDWW impacted, FSI

Morris ANGB, AZ: 3 off-base private drinking water wells impacted, 2 connected to municipal water 1 no action required as municipal connection previously established. NTCRA includes studies to convert existing PTS to treat PFAS and reduce migration of PFAS

Otis ANGB (JB Cape Cod), MA: 26 off-base PDWWs impacted: 19 connected to municipal water, 6 no longer require a response action, 1 property owner declined a response action. 2 actions underway to retrofit/upgrade pre-existing legacy contamination systems at FTA and landfill sites.

Selfridge ANGB, MI: 2 IRAs for SW treatment to resolve a notice of violation to meet state SW standard. Completed soil removal.

Shepherd Field (Martinsburg) ANGB, WV: 1 municipal well impacted. GAC system installed and functioning since December '17, and cost reimbursed to City of Martinsburg

Stewart ANGB, NY: NTCRA to address groundwater and rehabilitation of storm water lines and IRA SW treatment

Toledo ANGB, OH: 2 PDWWs impacted: 2 connected to municipal water.

Key

AFFF – Aqueous Film Forming Foam
BWP – Bottled Water Provided
EE/CA – Engineering Evaluation/Cost Analysis
FSI – Filtration System Installed
FTA – Fire Training Area
GAC – Granular Activated Carbon
GW – Groundwater
IRA – Interim Response Action
MCL – Maximum Contaminant Levels

NTCRA – Non-time Critical Removal Action
O&M – Operations & Maintenance
OSD – Office of the Secretary of Defense
PDWW – Private Drinking Water Well
PPT – Parts Per Trillion
PTS – Pump-and-Treat System
SW – Surface water
TCRA – Time Critical Removal Action