

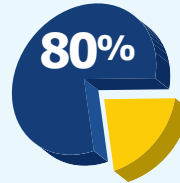
Per- and polyfluoroalkyl substances (PFAS) are a large class of chemicals found in many consumer products, as well as in industrial products such as certain firefighting agents called aqueous film forming foam (AFFF). In the 1970's, the Department of War (DOW) began using AFFF, which is the most efficient 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) 205/205 and Site Inspections (SIs) 192/192\***

**BRAC:** 39 PAs; 30 SIs  
**Active/Reserve:** 91 PAs; 87 SIs  
**ANG:** 75 PAs; 75 SIs



**Remedial Investigations (RIs) in progress (153/193)\***

**BRAC:** 29 OF 31 RIs  
**Active/Reserve:** 84 OF 87 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 205 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

**33 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

**25 Installations** (43 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

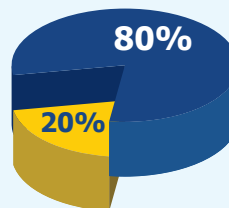
By 2018, DAF completed conversion of legacy AFFF to C6 AFFF in facilities, fire vehicles and storage stockpiles. DAF disposed of 979,000 gallons of legacy AFFF.

### 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)

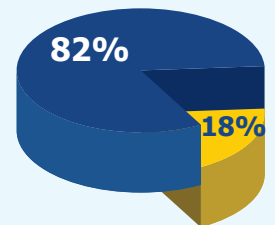
**80% of AFFF** concentrate/rinsate from **fire vehicles/storage** disposed



**In-Progress\*\***

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

**82% of AFFF** concentrate/rinsate in **facilities** disposed



**\$45M**

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

**\$2.1 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 Mar 2026

## 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; 3 BWP. 1 property owner declined a response action, 9 no longer require 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, 90 FSI, 9 BWP. 2 wells not in use; 1 no action required as property owner self-connected to municipal water, 5 no longer require a response action. 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:** 4 off-base PDWWs impacted: 2 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: 28 connected to municipal water, 13 BWP, 2 pending long-term response actions, 7 property owners declined a response action, 3 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:** 279 off-base PDWWs impacted: 258 FSI, 1 BWP, 16 no longer addressed due to property vacancy, abandoned or disconnected from POET while owner installed new well, 4 no action taken (2 self-connected to public water, 1 property vacant, 1 no longer used for drinking water). 3 public wells impacted: 1 public water connection, 1 FSI, 1 well BWP to 77 residents as treatment system is planned. 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: 63 connected to municipal water, 1 well abandoned, 1 well determined not from ANG releases, 2 non-Air Force led response actions in place. 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