

Air Force Civil Engineer Center



AF Response to PFOS/PFOA

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Battle Ready... Built Right!



Topics



- **Air Force Response to PFAS**
- **CERCLA Process Status**
- **Region 8 Installation Status**
- **PFBS RSLs**



AF Response to PFAS

- **The Department of the Air Force (DAF) follows the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process to evaluate PFAS releases**
- **Preliminary Assessments (PA)**
 - To determine whether aqueous film forming foam (AFFF) containing perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) was used
 - DAF completed PAs at 203 installations
 - 89 Active/Reserve; 75 Air National Guard (ANG); 39 BRAC
- **Site Inspections (SI)**
 - To determine where releases occurred and if they impacted drinking water supplies on and off base
 - DAF currently conducting SIs at 190 installations



CERCLA Process Status



- **Site Inspections**
 - 22% completed
- **Remedial Investigations**
 - 24% Initiated
 - BRAC: 4 RIs awarded FY20 and 1 awarded FY19
 - Active/Reserve: 29 RIs awarded FY20 and 1 awarded FY21
 - ANG: 10 RIs awarded FY20, 1 awarded FY19, 1 awarded FY16
- **Drinking Water Response actions**
 - Implemented at 33 installations
 - Bottled water, point-of-use filtration, whole-house filtration, municipal water hook-up, water treatment and new well drilling



Region 10 Installation Status



Program	Installation	State	EPA Region	Site Inspection Completion	Remedial Investigation (RI)
ACTIVE	Clear AS	AK	10	Complete	TBD
ACTIVE	Eareckson AS	AK	10	Summer 2022	FY20 Award
ACTIVE	Eielson AFB	AK	10	Complete	FY20 Award
ACTIVE	JB Elmendorf-Richardson	AK	10	Summer 2022	FY20 Award
ACTIVE	Long-range Radar Sites	AK	10	Summer 2022	TBD
ACTIVE	King Salmon AFS	AK	10	Summer 2021	TBD
ACTIVE	Fairchild AFB	WA	10	Complete	FY20 Award
ACTIVE	Mountain Home AFB	ID	10	Summer 2022	FY20 Award



PFBS Regional Screening Levels



- Toxicity values based on updated provisional oral reference doses [p-RfDs], inhalation reference concentrations [p-RfCs], cancer risk values, and screening values
- Subchronic and chronic RfDs were derived. New oral RFD is 3×10^{-4} mg/kg-day.
- New Regional Screening Levels based on a HQ of 0.1:
 - New Residential Soil RSL: 1.9 mg/kg (1,900 $\mu\text{g/Kg}$)
 - New Tapwater RSL: 0.600 $\mu\text{g/L}$ (602 ng/L)
- AF is evaluating existing and upcoming RI contract scopes for modifications, as needed.

