

Pease AFB – Soil Statistics Summary

17 April 2023

PFAS Compound	Soil Residential RSL (Child)	Units	Frequency of detection	Frequency of RSL exceedance	Frequency of 10x RSL exceedance	Frequency of 100x RSL exceedance	Frequency of 1000x RSL exceedance
Perfluorohexanesulfonic acid (PFHxS)	0.126	mg/kg	455 / 894	10 / 894	0 / 894	0 / 894	0 / 894
Perfluorononanoic acid (PFNA)	0.019	mg/kg	190 / 893	3 / 893	0 / 893	0 / 893	0 / 893
Perfluorooctanesulfonic acid (PFOS)	0.0126	mg/kg	613 / 893	314 / 893	169 / 893	0 / 893	0 / 893
Perfluorooctanoic acid (PFOA)	0.019	mg/kg	396 / 893	41 / 893	5 / 893	0 / 893	0 / 893
Perfluorobutanoic acid (PFBA)	6.32	mg/kg	83 / 894	0 / 894	0 / 894	0 / 894	0 / 894
Perfluorobutanesulfonic acid (PFBS)	1.9	mg/kg	66 / 894	0 / 894	0 / 894	0 / 894	0 / 894
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.0235	mg/kg	0 / 2	0 / 2	0 / 2	0 / 2	0 / 2
4:2 Fluorotelomer sulfonate (4:2 FTS)	NA	mg/kg	1 / 742	0 / 742	0 / 742	0 / 742	0 / 742
6:2 Fluorotelomer sulfonate (6:2 FTS)	NA	mg/kg	275 / 893	0 / 893	0 / 893	0 / 893	0 / 893
8:2 Fluorotelomer sulfonate (8:2 FTS)	NA	mg/kg	223 / 893	0 / 893	0 / 893	0 / 893	0 / 893
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	mg/kg	1 / 123	0 / 123	0 / 123	0 / 123	0 / 123
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	NA	mg/kg	0 / 123	0 / 123	0 / 123	0 / 123	0 / 123
N-Ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	NA	mg/kg	0 / 9	0 / 9	0 / 9	0 / 9	0 / 9
N-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	NA	mg/kg	25 / 713	0 / 713	0 / 713	0 / 713	0 / 713
N-Methyl Perfluorooctane Sulfonamide (MEFOSA)	NA	mg/kg	8 / 123	0 / 123	0 / 123	0 / 123	0 / 123
N-Methyl Perfluorooctane Sulfonamide (N-MeFOSA)	NA	mg/kg	34 / 707	0 / 707	0 / 707	0 / 707	0 / 707
N-Methyl Perfluorooctane Sulfonamidoethanol (MEFOSE)	NA	mg/kg	0 / 123	0 / 123	0 / 123	0 / 123	0 / 123
N-Methyl perfluorooctanesulfonamidoacetic acid (NMEFOSAA)	NA	mg/kg	0 / 9	0 / 9	0 / 9	0 / 9	0 / 9
N-Methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	NA	mg/kg	5 / 701	0 / 701	0 / 701	0 / 701	0 / 701
Perfluorodecane sulfonate (PFDS)	NA	mg/kg	123 / 867	0 / 867	0 / 867	0 / 867	0 / 867
Perfluorodecanoic acid (PFDA)	NA	mg/kg	99 / 866	0 / 866	0 / 866	0 / 866	0 / 866
Perfluorododecanoic acid (PFDoA)	NA	mg/kg	24 / 866	0 / 866	0 / 866	0 / 866	0 / 866
Perfluoroheptanesulfonic acid (PFHpS)	NA	mg/kg	237 / 893	0 / 893	0 / 893	0 / 893	0 / 893
Perfluoroheptanoic acid (PFHpA)	NA	mg/kg	204 / 893	0 / 893	0 / 893	0 / 893	0 / 893
Perfluorohexanoic acid (PFHxA)	NA	mg/kg	247 / 893	0 / 893	0 / 893	0 / 893	0 / 893
Perfluorononanesulfonic acid (PFNS)	NA	mg/kg	144 / 743	0 / 743	0 / 743	0 / 743	0 / 743
Perfluorooctane sulfonamide (PFOSA)	NA	mg/kg	228 / 891	0 / 891	0 / 891	0 / 891	0 / 891
Perfluoropentanesulfonic acid (PFPeS)	NA	mg/kg	63 / 743	0 / 743	0 / 743	0 / 743	0 / 743
Perfluoropentanoic acid (PFPeA)	NA	mg/kg	182 / 893	0 / 893	0 / 893	0 / 893	0 / 893
Perfluorotetradecanoic acid (PFTeDA)	NA	mg/kg	19 / 866	0 / 866	0 / 866	0 / 866	0 / 866
Perfluorotridecanoic acid (PFTTrDA)	NA	mg/kg	5 / 866	0 / 866	0 / 866	0 / 866	0 / 866
Perfluoroundecanoic acid (PFUnA)	NA	mg/kg	39 / 866	0 / 866	0 / 866	0 / 866	0 / 866

Notes:

Highlighted rows represent PFAS compounds displayed on figures for 02 May 2023 Restoration Advisory Board presentation.

PFAS = Per- and polyfluoroalkyl substances

RSL = United States Environmental Protection Agency Regional Screening Level

mg/kg = milligrams per kilogram – equivalent to parts per million (ppm)

NA = No RSL available for associated compound