

Pease AFB – Groundwater Statistics Summary

17 April 2023

PFAS Compound	AGQS	Resident DW Child RSL	Units	Frequency of detection	Frequency of RSL/AGQS exceedance	Frequency of 10x RSL/AGQS exceedance	Frequency of 100x RSL/AGQS exceedance	Frequency of 1000x RSL/AGQS exceedance
Perfluorohexanesulfonic acid (PFHxS)	18	39.4	ng/l	2566 / 3130	1565 / 3130	655 / 3130	223 / 3130	23 / 3130
Perfluorononanoic acid (PFNA)	11	5.89	ng/l	766 / 3131	433 / 3131	44 / 3131	0 / 3131	0 / 3131
Perfluorooctanesulfonic acid (PFOS)	15	4.01	ng/l	2325 / 3129	2137 / 3129	1004 / 3129	560 / 3129	206 / 3129
Perfluorooctanoic acid (PFOA)	12	6.02	ng/l	2016 / 3129	1552 / 3129	658 / 3129	242 / 3129	80 / 3129
Perfluorobutanoic acid (PFBA)	NA	2,000,000	ng/l	1765 / 3122	0 / 3122	0 / 3122	0 / 3122	0 / 3122
Perfluorobutanesulfonic acid (PFBS)	NA	601	ng/l	1703 / 3131	55 / 3131	0 / 3131	0 / 3131	0 / 3131
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NA	6.02	ng/l	1 / 188	0 / 188	0 / 188	0 / 188	0 / 188
4:2 Fluorotelomer sulfonate (4:2 FTS)	NA	NA	ng/l	14 / 398	0 / 398	0 / 398	0 / 398	0 / 398
6:2 Fluorotelomer sulfonate (6:2 FTS)	NA	NA	ng/l	1164 / 3129	0 / 3129	0 / 3129	0 / 3129	0 / 3129
8:2 Fluorotelomer sulfonate (8:2 FTS)	NA	NA	ng/l	548 / 3129	0 / 3129	0 / 3129	0 / 3129	0 / 3129
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	ng/l	6 / 950	0 / 950	0 / 950	0 / 950	0 / 950
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	NA	NA	ng/l	24 / 950	0 / 950	0 / 950	0 / 950	0 / 950
N-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	NA	NA	ng/l	0 / 397	0 / 397	0 / 397	0 / 397	0 / 397
N-Methyl Perfluorooctane Sulfonamide (MEFOSA)	NA	NA	ng/l	6 / 950	0 / 950	0 / 950	0 / 950	0 / 950
N-Methyl Perfluorooctane Sulfonamide (N-MeFOSA)	NA	NA	ng/l	0 / 375	0 / 375	0 / 375	0 / 375	0 / 375
N-Methyl Perfluorooctane Sulfonamidoethanol (MEFOSE)	NA	NA	ng/l	9 / 950	0 / 950	0 / 950	0 / 950	0 / 950
N-Methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	NA	NA	ng/l	0 / 398	0 / 398	0 / 398	0 / 398	0 / 398
Perfluorodecane sulfonate (PFDS)	NA	NA	ng/l	14 / 1519	0 / 1519	0 / 1519	0 / 1519	0 / 1519
Perfluorodecanoic acid (PFDA)	NA	NA	ng/l	55 / 1519	0 / 1519	0 / 1519	0 / 1519	0 / 1519
Perfluorododecanoic acid (PFDoA)	NA	NA	ng/l	9 / 1518	0 / 1518	0 / 1518	0 / 1518	0 / 1518
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	ng/l	1090 / 3131	0 / 3131	0 / 3131	0 / 3131	0 / 3131
Perfluoroheptanoic acid (PFHpA)	NA	NA	ng/l	1641 / 3129	0 / 3129	0 / 3129	0 / 3129	0 / 3129
Perfluorohexanoic acid (PFHxA)	NA	NA	ng/l	2081 / 3130	0 / 3130	0 / 3130	0 / 3130	0 / 3130
Perfluorononanesulfonic acid (PFNS)	NA	NA	ng/l	7 / 398	0 / 398	0 / 398	0 / 398	0 / 398
Perfluorooctane sulfonamide (PFOSA)	NA	NA	ng/l	288 / 3118	0 / 3118	0 / 3118	0 / 3118	0 / 3118
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	ng/l	91 / 398	0 / 398	0 / 398	0 / 398	0 / 398
Perfluoropentanoic acid (PFPeA)	NA	NA	ng/l	2195 / 3125	0 / 3125	0 / 3125	0 / 3125	0 / 3125
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	ng/l	20 / 1519	0 / 1519	0 / 1519	0 / 1519	0 / 1519
Perfluorotridecanoic acid (PFTrDA)	NA	NA	ng/l	11 / 1518	0 / 1518	0 / 1518	0 / 1518	0 / 1518
Perfluoroundecanoic acid (PFUnA)	NA	NA	ng/l	8 / 1518	0 / 1518	0 / 1518	0 / 1518	0 / 1518

Notes:

Highlighted rows represent PFAS compounds displayed on figures for 03 May 2023 Restoration Advisory Board presentation.

PFAS = Per- and polyfluoroalkyl substances

RSL = United States Environmental Protection Agency Regional Screening Level

AGQS = New Hampshire Ambient Groundwater Quality Standard

ng/L = nanograms per liter – equivalent to parts per trillion (ppt)

NA = No AGQS or RSL available for associated compound

DW = Drinking water