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**DEPARTMENT OF THE AIR FORCE
501ST COMBAT SUPPORT WING (USAF)**

4 January 2024

MEMORANDUM FOR DISTRIBUTION

SUBJECT: 2023 RAF Alconbury, RAF Molesworth, and RAF Menwith Hill Per- and Polyfluoroalkyl Substances (PFAS) Water Sampling Results

1. In November 2023, SSgt Jordan Sanders of the 423d Medical Squadron Bioenvironmental Engineering (BE) Team conducted sampling for 29 PFAS analytes at RAF Alconbury, RAF Molesworth, and RAF Menwith Hill. Sampling was accomplished using EPA Method 533 and EPA Method 537.1 in accordance with EPA requirements.
2. All PFAS sample results indicate all analytes are below the current EPA Maximum Contaminant Level (MCL) of 70 parts per trillion (ppt) limit for drinking water. The sampling results in ppt for each detected analyte are listed below. All omitted analytes were not detected at any installation. A list of all PFAS analytes tested can be accessed via the following EPA link: <https://www.epa.gov/dwucmr/fifth-unregulated-contaminant-monitoring-rule#scope>.

Analyte	RAF Alconbury	RAF Molesworth	RAF Menwith Hill
Perfluorooctanesulfonic acid (PFOS)	4.73	6.34	1.47
Perfluorooctanoic acid (PFOA)	5.02	5.09	1.90
Perfluorobutanesulfonic acid (PFBS)	10.1	10.2	ND
Perfluorohexanoic acid (PFHxA)	7.27	7.6	ND
Perfluoroheptanoic acid (PFHpA)	3.28	3.33	ND
Perfluorohexanesulfonic acid (PFHxS)	3.77	3.86	1.07
Perfluorobutanoic acid (PFBA)	8.14	8.66	1.28
Perfluoropentanoic acid (PFPeA)	6.77	6.88	ND

ND = Not Detected

3. The results of the sampling confirm that the drinking water is safe for consumption. All results are entered into the Defense Occupational Environmental Health Repository System (DOEHRS). If you have any questions or concerns, please contact BE at DSN: 314-268-4517 for jordan.d.sanders3.mil@health.mil or valente.h.thompson.mil@health.mil.

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