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

25 July 2024

MEMORANDUM FOR DISTRIBUTION

SUBJECT: 2024 RAF Alconbury, RAF Molesworth, and RAF Menwith Hill Per- and Polyfluoroalkyl Substances (PFAS) Water Sampling Results

1. In June 2024, SSgt Jordan Sanders of the 423d Medical Squadron Bioenvironmental Engineering (BE) conducted sampling for 25 PFAS analytes at RAF Alconbury, RAF Molesworth, and RAF Menwith Hill. Sampling was accomplished using EPA Method 533 in accordance with EPA requirements.

2. In the table below are 8 analytes that were detected above the Method Detection Limit (MDL). Sampling results are in part per trillion (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>. **Bolded** results are results above the current EPA guidelines for PFAS analytes per the 2024 PFAS Final Rule. <https://www.epa.gov/sdwa/and-polyfluoroalkyl-substances-pfas>. As PFOA and PFOS were below 70 ppt, there is no immediate cause for concern, and we will continue to collect semi-annual samples for PFAS, and updates will be under the Environmental Information Tab on the 501st CSW website <https://www.501csw.usafe.af.mil/>.

Analyte	RAF Alconbury	RAF Molesworth	RAF Menwith Hill
Perfluorooctanesulfonic acid (PFOS)	5.2	5.1	1.20
Perfluorohexanesulfonic acid (PFHxS)	3.0	3.0	1.40
Perfluorobutanesulfonic acid (PFBS)	4.4	4.9	ND
Perfluorobutanoic acid (PFBA)	4.4	4.3	ND
Perfluoroheptanoic acid (PFHpA)	2.6	2.6	ND
Perfluorohexanoic acid (PFHxA)	4.2	4.5	ND
Perfluorooctanoic acid (PFOA)	3.1	3.2	ND
Perfluoropentanoic acid (PFPeA)	3.0	3.5	ND

ND = Not Detected

3. All results are entered into the Defense Occupational Environmental Health Repository System (DOEHRS). If you have any questions or concerns, please contact Bioenvironmental Engineering at DSN: 314-268-4517 or jordan.d.sanders3.mil@health.mil.

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