

## PFAS 2024

On 15 May 2024, the 39<sup>th</sup> Medical Group Bioenvironmental Engineering office conducted base-wide drinking water sampling for per- and polyfluoroalkyl substances (PFAS), in accordance with DoD policy, “Memorandum for Sampling of Per- and Polyfluoroalkyl Substances in DoD-Owned Drinking Water Systems”, 11 July 2023. Incirlik Air Base water was analyzed for 29 PFAS compounds. The table below contains the results of those PFAS detected. The AF will use this information to begin planning for proper treatment in light of the EPA’s new PFAS National Primary Drinking Water Standards compliance requirements. For additional guidance on PFAS, use the following link: [ASD\(EI&E\) - Per- and Polyfluoroalkyl Substances \(PFAS\) \(osd.mil\)](#).

Per- and polyfluoroalkyl substances (PFAS) are a group of thousands of man-made chemicals. PFAS have been used in a variety of industries and consumer products around the globe, including in the U.S., since the 1940s. PFAS have been used to make coatings and products that are used as oil and water repellents for carpets, clothing, paper packaging for food, and cookware. They are also contained in some foams (aqueous film-forming foam or AFFF) which have been used for fighting petroleum fires at airfields and in industrial fire suppression processes because they rapidly extinguish fires, saving lives and protecting property. PFAS compounds are persistent in the environment and some are persistent in the human body – meaning they do not break down and they can accumulate over time.

Location	Sampling Point Name	Sample Date Time	Analysis Method	Analyte Name	Below DoD Action Level	Concentration (ng/L)
Bldg. 33	10-Water Treatment Plant	15-MAY-24	EPA 537/537.1	Perfluorooctanesulfonic acid (PFOS) + Perfluorooctanoic acid (PFOA)	Yes	44.6
Bldg. 33	10-Water Treatment Plant	15-MAY-24	EPA 533/533	Perfluorooctanesulfonic acid (PFOS) + Perfluorooctanoic acid (PFOA)	Yes	52.7
Bldg. 33	10-Water Treatment Plant	15-MAY-24	EPA 537/537.1	Perfluorooctanesulfonic acid (PFOS) + Perfluorooctanoic acid (PFOA)	Yes	43.9
Bldg. 33	10-Water Treatment Plant	15-MAY-24	EPA 533/533	Perfluorooctanesulfonic acid (PFOS) + Perfluorooctanoic acid (PFOA)	Yes	47.9
Bldg. 33	10-Water Treatment Plant	15-MAY-24	EPA 537/537.1	Perfluorooctanesulfonic acid (PFOS) + Perfluorooctanoic acid (PFOA)	Yes	43.1
Bldg. 33	10-Water Treatment Plant	15-MAY-24	EPA 533/533	Perfluorooctanesulfonic acid (PFOS) + Perfluorooctanoic acid (PFOA)	Yes	56.4
Bldg. 2711	8-LTL Gym	15-MAY-24	EPA 537/537.1	Perfluorooctanesulfonic acid (PFOS) + Perfluorooctanoic acid (PFOA)	Yes	65.1
Bldg. 2711	8-LTL Gym	15-MAY-24	EPA 533/533	Perfluorooctanesulfonic acid (PFOS) + Perfluorooctanoic acid (PFOA)	No	75.6
Bldg. 2032	3-Ammo Bathroom	15-MAY-24	EPA 537/537.1	Perfluorooctanesulfonic acid (PFOS) + Perfluorooctanoic acid (PFOA)	Yes	36.6
Bldg. 2032	3-Ammo Bathroom	15-MAY-24	EPA 533/533	Perfluorooctanesulfonic acid (PFOS) + Perfluorooctanoic acid (PFOA)	Yes	38.1
Bldg. 965	1-Sultan DFAC Kitchen	15-MAY-24	EPA 537/537.1	Perfluorooctanesulfonic acid (PFOS) + Perfluorooctanoic acid (PFOA)	Yes	48.5
Bldg. 965	1-Sultan DFAC Kitchen	15-MAY-24	EPA 533/533	Perfluorooctanesulfonic acid (PFOS) + Perfluorooctanoic acid (PFOA)	Yes	58.3