AFCEC Environmental Restoration Innovative Technology Projects – AFWERX Partnership Projects

Ongoing Projects

FY	AFWERX ID	Title	Contractor/PI	Synopsis
2023	FA864923P1266	Molecularly Imprinted Polymers for a Real-Time PFAS Sensor	Aquggua Dr. Brian Pinkard	The project is developing Molecularly Imprinted Polymers for a Real-Time PFAS Sensor. Using molecularly imprinted polymers (MIPs) has shown promise in rapidly sensing/detecting PFAS with practically relevant compound selectivity and measurement sensitivity.
2022	FA864923P0026	A Green Antibiofilm and Antifouling Solution for Water Treatment in the DAF	AEQUOR Dr. Cynthia Burzell	Develop and validate a bacterial treatment with minimal effect on the binding capacity for PFAS species of FLUORO-SOB (FS400).

AFCEC Environmental Restoration ITP-AFWERX Partnership Projects

Completed Projects

FY	AFWERX ID	Title	Contractor/PI	Synopsis
2023	FA864923P1125	Sustainable, Non-Incineration-based Destruction of Air Force Hazardous Waste Stockpiles	AxNano Dr. Alexis Carpenter	AxNano developed a proprietary automated feed system that is used in conjunction with supercritical water oxidation (SCWO) to eliminate hazardous waste disposal risk, including PFAS. This technology can be deployed for public and private entities across the globe. While “forever chemicals” are making headlines, DAF needs a waste management overhaul for both emerging and existing hazardous wastes.