***Abstract Submission for 2023 SAGEEP***

***Title: Per and polyfluoroalkyl substance (PFAS) Utilization in Ordnance Manufacturing***

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Federal PFAS investigations predominantly focus on the use, storage, and disposal of aqueous film forming foam (AFFF) with little emphasis on explosive manufacturing and detonation. PFAS is ubiquitous in explosive components and manufacturing processes. This presentation asserts that ordnance use and manufacturing at installations should be considered as part of PFAS investigations. The presentation will provide examples of PFAS uses identified thus far in military ordnance with a focus on fluoropolymers, propellants, pyrotechnics, and plastic bonded explosives (PBXs). Additionally, the presentation will assess the manufacturing and military practices in conjunction with their associated PFAS use and provide guidance on honing focus during site assessments and investigations. The discussion will be a valuable resource for contractors and government personnel responsible for Preliminary Assessments (PAs), Site Inspections (SIs), and potential Remedial Investigations (RIs).