



Bulletin #76, On Fire! July 1, 2023

During the last several years, there have been numerous incidents using AFFF. Some of these events have been a catalyst for changes in several states and the fire service.

<u>Year</u>	<u>Incident / Location</u>	<u>Length</u>	<u>Gallons of AFFF</u>	<u>Issues</u>
2019	ATC Transformer Madison, WI	1 day	54	A PFAS containing “fluorine-free” foam and 4 gallons of a de-listed MilSpec AFFF from Truax Air National Guard Base were used.
2019	ITC Deer Park Houston, TX	3 days	130,000	20M gallons of wastewater were collected.
2020	Colonial Pipeline Huntersville, NC	Months	Unknown	Foam was used on gas leaks as a vapor suppression agent.
2020	USS Bonhomme Richard San Diego, CA	5 days	Unknown	Amphibious assault ship undergoing repairs while the fire suppression system “was not operational...”
2021	Chemtool Rockton, IL	9 days	3,200	AR-AFFF was used initially and then switched to a non-fluorine foam when it ‘became available.’
2021	Lithium Battery Warehouse Morris, IL	27 days	None	Purple K was ineffective. Then, 28 tons of dry Portland cement was used to smother the fire. Flare-ups occurred for 28 days.
2021	Sugar Camp Coal Mine Macedonia, IL	Months	46,000	The fire and foam use was unreported until a citizen advised Illinois EPA.
2022	Tyco / Johnson Controls / ChemDesign Warehouse Menominee, MI	14 days	Unknown	5.5M gallons of firewater waste captured. 36,000 tons of fire debris material was transported offsite to landfills in Michigan and Wisconsin.

Case studies are being worked up.