



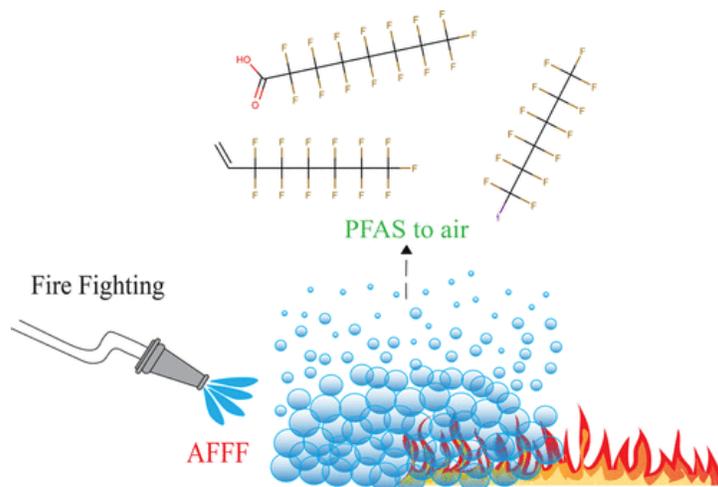
# FDSA

FIRE DEPT SERVICE ANNOUNCEMENT

## Bulletin #85.1 December 23, 2025 Off-gassing

When water changes to steam, its volume increases 1700 times.

AFFF will expand 1700 times and off-gas PFAS. Where AFFF is used, products of combustion will contain PFAS.



Humans breathe in 2,100 to 2,400 gallons (8,000 to 9,000 liters) of air each day.

“Recent studies have found that lung tissues typically accumulate the highest concentration of PFAS. However, perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) have also been found to build up in liver and bone tissue,” according to Schmidt & Clark LLP.

Carcinogenic chemicals contained in firefighting foams will off gas. Check out your states’ right to know chemicals such as: 1,4-Dioxane, Benzene, Fermentation derived cellulose, Formaldehyde, Methanol and PFAS.

Foam Exposure Committee