

Louise Speitel

**Stratification/Localization Guidance for Hand Held Halon 1211 Agent in Aircraft**

Tests were conducted to determine the concentration histories of Halon 1211 discharged in a ventilated B-737-275 cabin and flight deck. Halon 1211 was measured at various heights and positions in the flight deck and cabin.

Retrospective analyses of Halon 1211 concentration histories for discharges in an unpressurized Cessna 210C 4-seater aircraft mounted in a wind tunnel with an air speed of 120mph was also performed.

The goal of these analyses is to provide pharmacokinetic-based guidance for determining the safe use of higher halocarbon concentrations than currently recommended.