

Louise C. Speitel

Louise has been with the FAA Fire Safety Section since 1976. She has specialized in fire issues including toxicity assessments and survival modeling, health hazards of fibers from burning aircraft composites, benefit analyses of past accidents for aircraft fire improvements, options to the use of halons, small medium and full-scale fire tests, mechanistic studies of thermal degradation of polymers, and chemical methods of analysis.

As a chemist, she has designed instrument systems and methods to perform chemical analysis for numerous fire safety projects. Recent projects supported include Advanced Composite Material and insulation system scaling of toxic hazards for lab-scale and full scale aircraft fires using NDIR and FTIR. and fire safety testing of contaminated halon 1211 and associated chemical analysis and hazard assessments.

Louise is active in developing fire standards and codes. She is a member of the NFPA committees on Clean Agent Fire Extinguishing Systems. She is also involved with various ISO committees writing standards for smoke toxicity.

Education

BS Chemistry, Hunter College of the City University of New York, 1973

MS Chemistry, Purdue University, 1975