

## **Louise C. Speitel**

Louise has worked with the FAA Fire Safety Section as a research chemist and toxicologist for over 40 years. She has authored numerous reports and journal articles dealing with fire safety issues including options to the use of Halons, pharmacokinetic modeling of Halon replacement agents, toxicity assessments and survival modeling, health hazards of fibers from burning aircraft composite materials, smoke hood benefit analyses of past accidents, small medium and full-scale fire tests, mechanistic studies of thermal degradation of polymers, and chemical methods of analysis.

Louise is active in developing fire standards and codes. She has served on the NFPA committees on Clean Agent Fire Extinguishing Systems, writing standards for Halon replacement extinguishing systems. She is also active with various ISO committees developing standards for sampling and analysis of combustion gases using FTIR and developing standards for assessing smoke toxicity.

### **Education**

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

MS Chemistry, Purdue University, 1975