

**Separation Distances  
Project  
Sandia National  
Laboratories  
Livermore, CA**

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Al Vasys

Consultant to US DOE

# Background

- Separation Distances for H<sub>2</sub> systems appear only in NFPA 50A & 50B (in the year 2001)
  - Developed by CGA in 1959
  - Substantiating data not available
  - Intended for industrial not commercial/retail sites
  - Distances may be too conservative

- During ICC H<sub>2</sub> AHC deliberations in late 2001, need for new data on separation distances surfaces.
- Proposal for Separation Distances Validation Project submitted to Neil Rossmeissl in 2002.
- Project approved. Work starts in FY 03.

# Separation Distances Project Objectives

- Generate actual test data to validate models.
- Perform modeling; generate data to support changes to NFPA & ICC Codes and Standards.

# Project Personnel

- **Jay Keller, SNL**
  - project management
- **George Thomas, SNL (consultant)**
  - PI, technical coordinator
- **Robert Schefer, SNL**
  - experiments, combustion research
- **Al Vasys, DOE (consultant) and Darren Meyers, ICC**
  - C&S implementation and coordination
- **Mike Swain, University of Miami**
  - PI, CFD modeling
- **Jim Colton, SRI**
  - PI, experimental facilities
- **Mark Groethe, SRI**
  - project leader
- **Ben Bourne, SRI**
  - test director