



## Safety and Fire Analysis Consulting

**JACK ELGIN HYDE, JR., P.E.**  
**CSP, CPSM, WSO-CSS, CFI, CFEI, CVFI**

### Licenses and Certifications

(See page 2 for state issued certification and license information.)

**Professional Engineer (P.E.)<sup>1,2</sup>**

**Certified Safety Professional - Product Safety (CSP)**

**Certified Product Safety Manager - (CPSM)**

**WSO - Certified Safety Specialist (WSO-CSS)**

**IAAI-Certified Fire Investigator (IAAI-CFI)**

**Certified Vehicle Fire Investigator (CVFI)**

**NFPA 1033 Certified Fire Investigator**

**Licensed Private Fire Investigator (PFI)<sup>7</sup>**

**Licensed Private Detective<sup>3,4,8,9,10</sup>**

**Nationally Certified Fire and Explosion Investigator (CFEI)**

**NFPA 472 Certified Hazardous Materials Technician (CHMT)**

**Nationally Registered and California Certified Emergency**

**Medical Technician (EMT) (inactive)**

**State Certified Fire Investigator<sup>5,6</sup>**

### Professional Background

**Safety and Fire Analysis  
Consulting, LLC**

**Safety and Fire Consultant**  
January 1995 - Present

**Emerson Electric Co. - an  
Industrial and Consumer  
Products Company**

**Engineering Manager - Product Safety**  
July 1984 -December 1994

**Product Safety Engineer**  
June 1983 to July 1984

#### Responsibilities for Product Safety and Fire Investigation Included:

- Product Design Safety Analysis
  - Machine Guarding Design and Analysis
  - Material Safety Analysis
  - System Safety Analysis
  - Writing installation, operation and maintenance Instructions
  - Human Factors analysis of warnings, readability, machine and materials usage
  - Accident Investigation and Reconstruction
- Review and drafting of standard proposals for:
  - American National Standards Institute (ANSI)
  - IEC European Standards
- Fire Investigation and Reconstruction
- Standards, Code and Regulation Applications for Safety:
  - Underwriter's Laboratories (UL)
  - Canadian Standards Association (CSA)
  - National Fire Protection Association (NFPA)
  - American Society for Testing and Materials (ASTM)
  - American National Standards Institute (ANSI)
  - OSHA regulations
- CPSC Requirements Compliance

**Boyd & Associates, Inc.**  
**Consulting Engineers**

**Safety and Fire Consultant**  
February 1979 through May 1983

#### Responsibilities for Product Safety and Fire Investigation Included:

- Product safety auditing
- Code and Standards application
- Fire investigation
- Accident investigation

**Oklahoma State University**  
Safety Department

**Fire & Safety Inspector**  
May 1977 through January 1979

Responsibilities for Safety and Fire Protection Included:

- Safety inspection of University facilities
- Hazard recognition, evaluation, and control

**Stillwater OK Fire Department**

**Firefighter and Emergency Medical Technician**  
September 1976 through May 1978

**Educational Background**

Safety and Fire Protection - B.S. - Engineering Technology - Oklahoma State University, 1980  
Fire and Arson Investigation, FEMA National Fire Academy - December 1981  
Arson Investigation, Oklahoma State University - May 1981

**Technical Committee Service**

Chairman - ANSI Accredited Standards Committee O1  
ANSI/ISO TC39/SC4 Technical Advisory Committee  
ASTM E34 Committee on Occupational Safety  
ASTM E-5 Committee on Fire Standards  
ASTM E-30 Committee on Forensic Sciences  
Power Tool Institute Engineering Committee (PTI)

Underwriters Laboratories (UL) Standards Technical Panels:  

- Tools (STP 745)
- Household Cooking Appliances (STP 1026)
- Battery-Powered Appliances Standards Technical Panel (STP 2595)
- Motor Operated Tools and Garden Machinery (STP 62841-1)

International Fire Service Training Association Safety Committee

**Publications and Patents**

Patent 5,287,780 for Radial Arm Saw Mechanical Interlock

“Turning Your Personal Computer Into a Safety Analysis Tool”,  
*Hazard Prevention*, Vol. 32, No. 2, Second Quarter 1996, pages 20-25.  
Also Presented to the 15th International System Safety Conference, Washington, D.C.,  
System Safety Society, 1997.

**Professional Associations**

American Society of Safety Engineers (ASSE)  
System Safety Society (SSS)  
Human Factors and Ergonomics Society (HFES)  
American Society of Agricultural and Biological  
Engineers (ASABE)  
World Safety Organization (WSO)

National Fire Protection Association (NFPA)  
Society of Fire Protection Engineers (SFPE)  
International Association of Arson Investigators (IAAI)  
National Association of Fire Investigators (NAFI)  
American Society for Testing and Materials (ASTM)

State Issued Licenses and Certifications

1 - Texas P.E. (102131)  
2 - Mississippi P.E. (20808)  
3 - Illinois PERC 129.323536  
4 - Kansas Private Detective (D-5307)  
5 - Missouri Certified Fire Investigator (12-025)

6 - Oklahoma Certified Fire Investigator  
7 - Missouri Private Fire Investigator (2014011640)  
8 - Indiana - Licensed Private Investigator Firm (PI21400022)  
9 - Oklahoma Private Investigator (16UPI70664)  
10 - North Carolina Private Investigator (5213)

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