



Scott A. Frazer, PE, ARM
Vice President
Principal Engineer

Holds an active DOE Q Clearance

Education

B, Mechanical Engineering, Georgia Institute of Technology, Atlanta, GA, 1995
B.S., International Affairs, Georgia Institute of Technology, Atlanta, GA, 1995

Registered Professional Engineer (Fire Protection)

State of Tennessee

Professional Affiliations

ARM (Associate in Risk Management)
OSHA Trainer for General Industry
OSHA Records Administrator
Society of Fire Protection Engineers (SFPE), Professional Member
Tennessee Valley Society of Fire Protection Engineers (TVSFPE), President
National Fire Protection Association (NFPA), Member
NFPA 72, National Fire Alarm Code, Technical Committee Member
American Society of Mechanical Engineers (ASME), Member

Professional Experience

February 2008 through Present – Performance Design Technologies, Inc.
Principal Fire Protection Engineer

Mr. Frazer has supported a wide variety of design and evaluation projects for PDT clients. Mr. Frazer provides consulting services in the areas of fire and life safety codes and standards for a variety of occupancies in order to meet prescriptive requirements or to develop performance-based designs to achieve an equivalent or better level of safety. Mr. Frazer's code consulting services have included ICC codes (International Building Code, International Fire Code, etc.) and NFPA codes and standards. As part of the code consulting services, Mr. Frazer provides engineering evaluations for smoke control in large spaces, including atriums, as well as overall property, fire, and life safety evaluations, including Highly Protected Risk (HPR) and Loss Control Surveys.

Mr. Frazer provides consulting services in the creation, evaluation, and updating of Fire Hazards Analyses (FHA) both in the nuclear industry and in general industry. Mr. Frazer's experience includes being a primary author of the Uranium Processing Facility (UPF) FHA, a \$6.5 billion design and construction project at the Y-12 National Security Complex in Oak Ridge, TN, and authoring the uranium production project FHA at Nuclear Fuel Services in Erwin, TN.

Mr. Frazer provides consulting services for code compliance of combustible dusts, furnaces and ovens, and general industrial fire protection. Additionally, Mr. Frazer is proficient in fire modeling, including zone models (CFAST), computational fluid dynamics (FDS), and algebraic equations (NFPA 92, NRC Spreadsheets, SFPE Handbook), and egress evacuation modeling using the hydraulic model.

2000 through February 2008 – InterContinental Hotels Group (IHG), Inc.

Loss Prevention Manager

Mr. Frazer served as a Loss Prevention Manager for several years. His work included auditing and reporting upon the conditions present and areas of needed improvement within company-owned and managed properties with a focus on fire protection, health and safety, security, and crisis management planning as they related to company standards, applicable codes and governing bodies, including NFPA and OSHA. He worked with senior management across hotel brands, regions and individual hotels to reduce the frequency of worker's compensation and liability claims. Mr. Frazer effected an average annual reduction of 11% in overall claims each of the 8 years, with his territory ranging from 55 to 120 hotels including properties in the United States, Mexico, the Caribbean and South America.

Mr. Frazer aided in the development and revision of corporate policies and procedures, including the Corporate Disaster Recovery Plan, the Crisis Management Manual, the Loss Prevention Manual (a compendium of best practices as it relates to fire, life safety and security), the Security Officer's Guide, New Employee Safety and Security Training Programs, and OSHA-required Training Programs. He performed training classes on Safety and Security, OSHA Programs, Security Officer Training, and Fire Protection for new general managers, new hotel openings and annual employee training.

Mr. Frazer worked as a liaison between the legal department and individual hotels in the evaluation and implementation of contractual language for liability risks, as well as minimizing legal liability risks at the hotel. He creatively managed his workload to minimize travel costs and maximize efficiency with minimal supervision throughout the Americas.

1995 through 2000 – Kemper HPR Insurance Companies

Fire Protection Consultant/Large Property Consultant

Mr. Frazer served as a fire protection consultant auditing insured risks throughout the Southeastern United States for compliance with Highly Protected Risk (HPR) specifications, while making and selling recommendations to individual locations and corporate contacts for necessary improvements. The areas of major focus included Manufacturing and Assembly Facilities, Textile Mills, Pulp and Paper Operations, Fiberglass Boat Manufacturers, Tire Manufacturing and Storage, Woodworking Facilities, Plastics Manufacturing and Storage, Warehouses, Data Storage Centers and Hospitals. He worked with underwriters to evaluate the insurability of property, general liability, worker's compensation, product liability and fleet risks by auditing and reporting upon the conditions present and areas of needed improvement within the insured's facilities. Mr. Frazer performed plan reviews for incoming fire protection plan submittals to ensure code and insurance-mandated protection compliance, and recommended any appropriate changes. He also performed loss investigations via on-site inspections to determine the root causes of the loss and submit recommendations to minimize the possibility of future loss. Mr. Frazer taught on-site property conservation and loss control programs for customers.

1989 through 1992 – Coweta County Water and Sewer Department, Newnan, GA

Cooperative Position

Mr. Frazer's duties included performing water system hydraulic gradients for county-wide flow availability, mapping water and sewer system piping, compiling and drafting the underground water and sewer system valves into a single valve location book, and inspecting contractor-installed water lines for acceptance into the county's underground water system.

Areas of Specialization

Fire Suppression Design and Hydraulic Calculations
Life Safety Analysis and Surveys
NFPA Code Analysis
Building Code Analysis
ICC Code Analysis
Active Smoke Control Design
Industrial Fire Protection

Fire Alarm Design
Risk Management Analysis
Egress Analysis and Modeling
Fire Hazards Analysis (FHA)
Fire Modeling
Passive Smoke Control Design
HPR and Loss Control Surveys