

ENGINEER: MECHANICAL

DOYLE JEFF JACO, III, M.E., P.E.

Engineering Design & Testing Corp.

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EDUCATION:

1988 B.S. in Engineering (Mechanical Engineering), University of South Carolina

2001 M.E. in Engineering (Masters of Engineering), University of South Carolina

PROFESSIONAL EXPERIENCE:

May, 1991 **Engineering Design & Testing Corp., Columbia, South Carolina**
to present Consulting engineer specializing in origin and cause investigation of fires, and the evaluation of industrial accidents, engineering analysis of commercial, industrial, and residential fires, assessment of mechanical equipment damages and repair/replace cost estimates, engineering analysis and project estimating, project scheduling, piping and mechanical equipment evaluations, design, fabrication, and operation of specialized testing apparatus. Engineering analysis and investigations of fire protection systems including design, installation, control and maintenance.

April, 1989 **Bechtel Corporation, Columbia, South Carolina**
to March, 1991 Project/Mechanical Engineer specializing in supervision of design on small capital projects, writing equipment specifications, requisitions, and evaluations of quoted products, performed pump sizing calculations and equipment studies, development of project piping and instrumentation diagrams, sizing process lines, creating line tables and tie-in lists, performed HVAC equipment sizing calculations and created the piping and instrumentation diagram for the application, preparing job estimates for client approval

August, 1986 **Maddux Supply Company, Columbia, South Carolina**
to March, 1989 Outside Construction Sales specializing in comparison and selection of project equipment for compliance with engineering specifications, negotiate equipment pricing with manufacturers, monitor availability of project equipment to ensure delivery on schedule, service customers with daily business

1979 **Capital Lighting Company, Columbia, South Carolina**
to August, 1986 Lighting Consultant specializing in selection of new lighting products,
inventory management, lighting consultant for commercial and residential
construction

PROFESSIONAL ORGANIZATIONS:

- American Society of Mechanical Engineers
- International Association of Arson Investigators
- National Fire Protection Association
- National Association of Fire Investigators

REGISTRATIONS:

Registered Professional Engineer in South Carolina (#18217)
Registered Professional Engineer in North Carolina (#24278)
Registered Professional Engineer in Georgia (#24959)
Registered Professional Engineer in Alabama (#25594)
Registered Professional Engineer in Florida (#59726)
Registered Professional Engineer in Ohio (#E-68923)
Registered Professional Engineer in Commonwealth of Virginia (0402 045899)

Certified Fire Protection Specialist by the National Fire Protection Association and accredited by
the American National Standards Institute (ANSI) – Certificate Number 2676

CONTINUING EDUCATION:

1991 Traffic Institute Fire Investigation Seminar, Northwestern University

1993 Specialized School in Modern Techniques of Fire Investigation, Georgia Fire
Investigators Association

1993 Ford Guide to Diagnostics, Mitchell International Technical Information
Program

1994 The Investigation of Vehicle Fires, Lee S. Cole & Associates

- 1997 Electrical Meter Tampering as Fire Cause Presented by South Carolina Electric & Gas Company. Properties of Natural Gas and Natural Gas Explosions Presented by the South Carolina Chapter of the International Association of Arson Investigators.
- 1997 Fire & Arson Investigation Seminar, Georgia Fire Investigators Association
- 2000 Origin & Cause Determination, Presented by Mr. John Walker of Walker Fire Investigations of Spencerville, Indiana, Seminar sponsored by the South Carolina Chapter of the International Association of Arson Investigators.
- 2003 Automatic Fire Protection Sprinkler System Seminar, Application and Installation, Presented by the National Fire Protection Association
- 2003 Fire Pumps Seminar, Application and Installation, Presented by the National Fire Protection Association
- 2003 Inspection, Testing and Maintenance of Water Based Fire Protection Systems Seminar, Presented by the National Fire Protection Association
- 2004 Confined Space Compliance Training presented by Roy Rutledge of the Safety and Health Council of North Carolina
- 2005 Legal Issues for South Carolina Professional Engineers presented by HalfMoon LLC of Eau Clair, Wisconsin
- 2005 Fire Alarm Inspection, Testing and Maintenance Seminar, Presented by the National Fire Protection Association
- 2007 Certified Fire Protection Specialist primer course, Presented by the National Fire Protection Association
- 2008 Confined Space Compliance Training presented by Colleen Eubanks of the South Carolina National Safety Council
- 2008 Fire Protection System Plan Review Seminar, Presented by the National Fire Protection Association
- 2010 Steam Plant Improvement Workshop, Presented by the Boiler Efficiency Institute