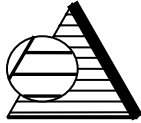


RESUME - Gregory W. Miller, P.E.



Miller Engineering Services

PO Box 201443

Austin, TX 78720-1443

E-Mail: **gmiller@forensicPE.com**

Phone: 512-986-5396 Cell: 512-401-6377

Experience and Forensic Specializations

- Electrical Transmission and Distribution, Substations, Grounding
- Large Project Contracting, Design, Construction & Commissioning
- Construction Site Safety & Quality Procedures
- Electrical Safety, fire, alarm, and control systems
- Manufacturing, Petrochemical, Refining, Oil & Gas Processing Facilities (including Electrical hazardous classified area installations)
- OSHA Job Hazard Analysis, Safety Procedures
- Electric shock and electrocution
- Electrical distribution equipment failures & injuries
- Equipment mechanical, corrosion and metallurgical failure analysis
- Fire & Explosions with possible electrical causation (Residential, Commercial & Industrial)

Background

Greg Miller is a Registered Professional Engineer in the State of Texas (#60429) with 30 years of experience in design and construction of manufacturing, refining, petrochemical, oil and gas processing facilities. Specializing in electrical power transmission, distribution, substations, industrial motor control, instrumentation, industrial & construction safety, OSHA and the National Electrical Code.

Mr. Miller has many years of domestic and international project experience, and has on-shore and offshore experience in the Oil & Gas industry. Greg has served as an expert witness in the support of litigation and insurance investigations in electrical engineering, equipment failures, electric shock, electrocution and human factors related to defects in and the use of electrical equipment. His numerous forensic investigations have included more than 100 fires/explosions and 20 electric shock/electrocutions. He is located in Austin, Texas.

Education

Tri-State University (General Motors Scholar)
Angola, Indiana
B.S., Electrical Engineering, 1973

Registrations

Registered Professional Engineer (Electrical), State of Texas, #60429

Positions

- **Owner & Sr. Consultant**
Miller Engineering Services
Austin, TX
Professional Engineering Practice
2003 - present
- **Saudi Aramco Project Management**
Dhahran, Saudi Arabia
Sr. Project Engineer
1991 – 2002
- **CH&A Corporation**
Kingwood, TX
Electrical Consultant
1986 – 1990
- **Miller Engineering Services**
Kingwood, TX
Electrical Consultant
1984 – 1985
- **Exxon Co. USA / Esso Middle East**
Houston, TX
Project Engineer
1982 – 1983
- **Saudi Aramco Project Management**
Dhahran, Saudi Arabia
Project Engineer
1976 – 1981
- **General Motors, Central Foundry Div.**
Defiance, OH
Plant Project Engineer
1973 – 1975

Experience

- Expert witness in numerous cases involving residential, commercial and industrial fires, explosions, electrical equipment and appliance failures, shock, electrocution, National Electrical Code (NEC), OSHA and other industry code compliance.
- Design criteria and installations for industrial hazardous / classified area installations, grounding, and lightning protection.

- Preparation of large project budget briefs, scope of work, bid packages, equipment specifications, safe construction/operating procedures and quality assurance testing criteria for electrical, mechanical, civil and structural equipment and facilities.
- QA/QC Team Leader on major gas processing facility expansion, including factory acceptance testing, welding procedures, electrical equipment testing and other construction quality procedure approvals.
- Total Project Management and financial responsibility for multiple substations, cabling, transformer and switchgear upgrade for one of the world's largest oil handling facilities.
- Construction Site Safety Team Leader - developed site hazard analysis.
- Supervision of Project Team and Contractor personnel during design, construction and commissioning phases of projects.
- Computer simulation modeling of mechanical and electrical power systems and transient analysis.

Affiliations

- Project Management Institute (PMI)
- Institute of Electrical and Electronics Engineers (IEEE)
- National Fire Protection Association (NFPA)
- International Association of Arson Investigators (IAAI)

Continuing Education

- AICHE – Hazard Evaluation Procedures
- Underwriter's Laboratory (UL) – Product Safety Design
- Fire Findings – Gas & Electric Appliance Fire Course
- CII & Corporate Project Management Courses – Several
- ETAP – Electrical Transient Analysis (Software) Program
- Texas Construction Law for Engineers
- Lightning and Static Electrical Protection
- Digital Photography for Fire Investigators
- Current Legal Issues Facing Workplace Issues and the Courts
- Cathodic Protection
- Root Cause Analysis
- CATIA Wiring Harness Quality Investigation
- Quality & Safety In Construction
- Forensic Fire Scene Reconstruction
- Corporate Safety Courses - Many