FORENSIC
AND
SCIENTIFIC
TESTING, INC.

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Curriculum Vitae for Perry Hopkins, Electrical Engineer

EDUCATION:

Bachelor of Science in Electrical Engineering, Clemson University, 1993. Concentration in Power Systems.

PROFESSIONAL EXPERIENCE:

FORENSIC & SCIENTIFIC TESTING, INC., 2006 to Present

Forensic Electrical Engineer (April 2006 to Present) – Perform failure analysis. Evaluation of industrial, commercial and consumer electrical distribution systems and appliances. Evaluation of electrical product and systems damaged by lightning and severe storms.

UNIFIED INVESTIGATIONS & SCIENCES, INC., 2003 to 2006

Electrical Engineer (January 2003 to April 2006) – Perform failure analysis, reparability assessment, product design evaluation of industrial, consumer and commercial electrical distribution systems, utilization equipment and appliances. Evaluation of cause of damage attributed to lightning and electrocutions.

CONKLIN CORPORATION, 2001 to 2003

Senior Compliance Engineer (February 2001 to January 2003)– Performed in-house testing on telecommunication type equipment to ensure compliance to national standards before submitting the product to certification laboratories. Testing included lightning and AC power fault, electrostatic discharge, thermal tolerance and electromagnetic compatibility. Implemented circuit board changes to solve potential problems.

INTERTEK TESTING SERVICES, 1994 to 2001

Project Engineer (May 1994 – Dec. 1998) – Evaluated and tested products for compliance to various national and international standards. Evaluated a wide range of products including medical devices, information technology equipment, lighting, motor operated appliances, industrial type machines and HVAC components. Worked with various testing equipment, including multimeters, thermal chambers, dielectric strength testers, temperature probes, light meters, oscilloscopes and overvoltage equipment.

PROFESSIONAL EXPERIENCE (cont.):

Engineering Team Leader (Dec. 1998 – Feb. 2001) – Spent time equally between leading a team of six engineers and working my own engineering assignments. Developed client relationship by discussing testing process and answering technical questions.

DUKE POWER COMPANY, 1991 to 1993

Cooperative Education Program – Worked alternating semesters with local power utility in their distribution center. Created and calculated load-flow programs as well as investigated causes of repeat outages for customers.

SPECIALIZED TRAINING:

Southeastern Arson Seminar, Savannah, Georgia, August 2009, 24 Hours

Southeastern Arson Seminar, Savannah, Georgia, August 2008, 28 Hours

International Association of Arson Investigators, Investigations of Electrical & Appliance Related Fires, Davenport, Iowa, March 2008, 24 Hours, Tested

Southeastern Arson Seminar, Savannah, Georgia, August 2007, 28 Hours

Southeastern Arson Seminar, Savannah, Georgia, August, 2006, 28 Hours, Tested

Southeastern Arson Seminar, Savannah, Georgia, August, 2005, 28 Hours, Tested

Georgia Fire Investigator's Association, Fire Investigation Training Seminar, Macon, Georgia, March, 2005, 20 Hours, Tested

On-line study course Ethical Consideration for Expert Testimony, Center for Collaboration & Education in Design, February 2005, 4 Hours, Tested

Southeastern Arson Seminar, Savannah, Georgia, August, 2004, 23 Hours, Tested

Georgia Fire Investigator's Association, Fire Investigation Training Seminar, Dalton, Georgia, March, 2004, 19 Hours, Tested

Southern Loss Association, Ethics Training and Mock Trial, Atlanta, Georgia, August, 2003, 8 Hours

Unified Investigations & Sciences, Inc., Investigations for Insurance Professionals, Columbus, Ohio, April 2003, 40 Hours

Fire Findings, Investigation of Gas and Electric Appliance Fires, St Joseph, Michigan, May 2003, 16 Hours – Tested

VAISALA Inc., Lightning 101 Seminar, Atlanta, Georgia, May 2003, 2 hours

SPECIALIZED TRAINING (cont.):

Intertek Testing Services, Network Equipment Building System (NEBS) Training to Standards GR-1089/GR-63, Boxborough, Massachusetts, April 2001, 16 Hours

Intertek Testing Services, Basic Product Safety Evaluation, Dallas, Texas, March 1999, 40 Hours

Intertek Testing Services, Advanced Product Safety Evaluation, Boxborough, Massachusetts, June 2000, 40 Hours

PROFESSIONAL ORGANIZATIONS:

Institute of Electrical and Electronic Engineers
National Fire Protection Association
National Society of Professional Engineers
Georgia Society of Professional Engineers
International Association of Arson Investigators
Metro Fire Investigators Association, President – 2006, Vice President – 2005

LICENSES AND REGISTRATIONS:

Licensed Professional Engineer, State of Alabama No. 25592
Licensed Professional Engineer, State of Georgia No. 24548
National Council of Examiners for Engineering and Surveying (NCEES), Record # 22937

SEMINARS PRESENTED:

Look, Listen and Learn – Tips in performing an efficient investigation from the aspect of an electrical engineer, GFIA Spring Seminar, 2-hour presentation on March 22, 2006

Electric Circuit Breakers – Metro Fire Investigators Association, 1-hour presentation on March 15, 2006

Lightning and Losses – Tri-State Fire & Fraud Investigators Association, 1-hour presentation on December 6, 2005

Lightning and Losses – Metro Fire Investigators Association, 1-hour presentation on October 19, 2005

Lightning and Losses – Middle Georgia Claims Association, 1-hour presentation on April 22, 2004

Product Safety: What makes a product safe? – Southern Loss Association, 1-hour presentation on September 11, 2003

SEMINARS PRESENTED (cont.):

Product Safety: What makes a product safe? – Metro Fire Investigators Association, 1-hour presentation on July 16, 2003

UL 63 Motor Operated Appliances Training - Intertek Testing Services located in Taipei, Taiwan, 24 hours of training presented the week of November 13, 2000.