

## **NELSON DESIGN**

355 UPPER VALLEY ROAD  
ROCHESTER, NY 14624  
PHONE (585) 247-1270 FAX (585) 247-6833

**JOHN M. NELSON, BS, BCFE**  
**TESTIMONY**

**INVESTIGATION, CONSULTING,**

## **FUEL GAS & RELATED PRODUCTS, CONTAINERS, COMPONENTS**

### **PROFESSIONAL EXPERIENCE**

Bernzomatic Gas and related products & containers.  
Engineer - Director of Product Engineering (1968 - 1991)  
Nelson Design Product design & litigation consulting. (1992 - Present)

**DESIGNED** and developed 35 gas-fired and related products with unit distribution in the tens of millions. Detailed hundreds of components; tested dozens of diverse products for end use, function and failure modes; wrote/analyzed dozens of instructions and hundreds of warnings and cautions; and helped formulate national LP Gas camp appliance standards.

**MANAGED** the product engineering department of a gas, flammable and safety products company for 12 years with direct responsibility for product safety. Performed routine design and testing; supervised daily production line and finished goods audits; solved dozens of manufacturing and safety problems; and realized continual decreases in product liability claims and costs.

**INVESTIGATED** more than 200 incidents involving fuel gas (propane, butane, natural gas, MAPP, propylene, acetylene) grills, lighters, torches, lanterns, heaters, stoves, fryers, cylinders, tanks, motor fuel tanks, motor home and RV systems and miscellaneous fuel gas products. Created dozens of investigative and demonstrative tests including flares, flash fires and explosions; developed practical, alternate designs and solutions as necessary; and testified in cases involving fuel gas and related appliances, containers, torches and vehicle systems.

### **EDUCATION AND TRAINING**

Michigan Technological University, Engineering (1964 - 1966)  
University of Rochester, B S, General Studies, Concentration in Physics & Mathematics (1970)  
Rochester Institute of Technology, Applied Statistics (1978 - 1979)

Training includes product use and failure patterns, product safety and warnings, LP Gas safety, combustion testing, carbon monoxide emissions, flammable gas ignition, flame hazards, flameholding, test and inspection methods, fastening and sealing methods, plastic and metal component design, industrial design, drafting, machining, photography and report writing.

### **U.S. PATENTS**

3,656,254 Insecticidal Jet Fogger, with R. Schmedes  
3,806,038 Burner for Low Pressure LPG Torch  
3,843,311 Lantern with Igniter  
4,103,829 Oxypropane Torch, with F. Zagara  
4,147,272 Pressure Relief Device, with I. Stenner  
4,526,532 Self Igniting Torch  
4,666,399 Low Pressure Gas Torch Burner  
4,954,078 Spark Igniter System

### **AFFILIATIONS**

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System Safety Society

National Fire Protection Association  
American College of Forensic Examiners Board Certified Forensic Examiner, No. 805

June 2005

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### ***FEE SCHEDULE***

***Initial Consultation***  
***Nominal Direct Expenses***  
***Nominal Phone Conversations***

No charge.

***Non-productive Travel & Standby***

One half normal rate.

***Consulting***  
***Review & Discovery***  
***Testing & Investigation***  
***Written Reports, as required***  
***Deposition & Trial Preparation***  
***Deposition & Courtroom Testimony***

\$200.00 per hour.

### ***PAYMENTS & TERMS***

New accounts to be initiated with a \$800.00 advance payment; any unused portion will be returned.

Airfare and lodging to be paid in advance. Other expenses necessarily incurred will be billed at cost.

Terms are net 30 days except all issued invoices to be paid prior to testimony. Payment to Nelson Design, ID 190329583.

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August 2003