



## CURRICULUM VITAE

### Edward V. Grund, PE, CSP Senior Forensic Safety & Engineering Consultant

#### PROFILE

Reliable, senior executive, highly educated and national safety board certified. Over thirty-five years of metals, minerals, chemicals, glass, plastics and refractories industry professional loss prevention experience. Responsible for managing prevention programs for worldwide operations of Amax, Inc., Kaiser Aluminum & Chemical and American National Can Company over 20 year period. Extensive International experience in 14 Countries.

Mr. Grund's breadth of expertise covers functional responsibility for safety, fire protection, industrial security, industrial hygiene, occupational health, environmental management and workers compensation. He possesses highly developed skills and a proven record of accomplishment in the management of risks to people, property, and in providing expert occupational safety and health assistance for a variety of industries. His skill in research of unsafe work practices, conditions, violations of safety standards, coupled with his ability to accurately formulate expert opinions and conclusions are his strength.

#### PROFESSIONAL DESIGNATIONS, AFFILIATIONS AND ACHIEVEMENTS

State of California – Registered Safety Engineer (License #2143)  
Board of Certified Safety Professionals – Certified Safety Professional (License #709)  
National Safety Council – Distinguished Service Award - 1992  
American Industrial Hygiene Association – Full Member  
American Society of Safety Engineers – Professional Member  
American Society of Safety Engineers – 1994 President's Award  
American National Standards Institute (Lockout/Tagout) Z244.1 Committee – Chairman  
American National Standards Institute (Confined Spaces) Z117 Committee – Chairman  
Book Author – *The Control of Hazardous Energy* (Published by NSC, 1994)

#### Past Membership Posts and Appointments

- U.S. Bureau of Labor Statistics – Safety & Health Committee
- U.S. Dept. of Interior – Coal Mine Safety Research Advisory Comm. – Appointed by Secretary of Interior
- National Safety Council – Board of Directors/Trustees
- National Safety Council – Mining and Metals Executive Committee
- American Mining Congress – Safety & Health Committee
- American Society of Safety Engineers – Fellow Review Committee
- American Society for Testing and Materials – Environmental Assessment (E-50 Std.) & Protective Clothing (F-23 Std.)

#### Past Chairmanships

- California Manufacturers Association – Safety & Health Committee
- Aluminum Association – Safety & Health Committee
- Can Manufacturers Institute – Safety & Health Committee

**EDUCATION**

University of Southern California, **M.S.** - Safety Science

University of Maryland, **B.S.** - Industrial Technology

**Post Graduate Education**Course of Study

Georgia Institute of Technology:	Industrial Toxicology
Harvard University:	Ergonomics, Industrial Hygiene
Illinois Institute of Technology:	Hazardous Materials
University of California, Davis:	Hazardous Materials Management
University San Francisco:	Toxic Chemicals
University of Connecticut:	Industrial Ventilation
University of Illinois:	Advanced Industrial Hygiene

**Ancillary Safety and Health / Business Management Education**Course of Study

National Institute of Occupational Safety & Health:	Occupational Hazards
National Institute of Occupational Safety & Health:	Industrial Hygiene Engineering
National Institute of Occupational Safety & Health:	Industrial Hygiene Measurements
American Industrial Hygiene Association:	Respiratory Protection
National Safety Council/DuPont & AICE:	Process Safety
Robotic Industries Association:	Robotics Safety / Risk Assessment
New England Institute:	Epidemiology
Executive Enterprises:	Environmental Regulation, Auditing & Management Systems
Institute of Business Law:	Air Quality Management
Conference Board:	Global EHS & Environmental Excellence
Factory Mutual Insurance Company:	Loss Prevention
International Loss Control Institute:	Advanced Safety Management
Organizational Dynamics, Inc.:	MBO, Managing for Productivity & Convincing Manager
IMD International Business School:	Executive Management
American Management Association:	Problem Solving and Decision Making
G. Karras Associates (Business Courses):	Effective Negotiating
P. Crosby Associates (Business Courses):	Executive Quality College & Quality Improvement Process

**PROFESSIONAL EXPERIENCE**

2006 - Present **Americana Safety Associates, LLC – Ft. Lauderdale, Florida**

Senior Forensic Safety & Engineering Consultant

- Provides expert witness services to plaintiff and defense attorneys, as a contract consultant in personal injury, negligence and wrongful-death law cases. Areas of specialization include, but are not limited to, occupational safety and health, public safety, human factors, risk management, mine safety and health, environmental and industrial hygiene.
- Provides on-site occupational safety and health consultation services to various businesses and industries, including retail and manufacturing industries. On-site inspection services are provided to measure and ensure compliance with all applicable safety and health laws, regulations, codes and international conventions.

2002 - Present

**Private Practice – Tampa, Florida**

Forensic Safety & Engineering Consultant

Provided safety consulting services to clients

- OSHA compliance and regulatory actions, prevention programs, conformance auditing, performance assessment and incident investigation.
- Chairing National Standards committees, preparing professional articles and making professional presentations.
- Acting as topical expert in legal cases involving lockout/tagout and confined spaces.

1999 - 2001

**ID Group, Inc. – Montreal/Quebec, Canada**

Vice President Consulting Services

Responsible for directing safety and health consulting services for a broad range of Fortune 500 manufacturing clients. Key management executive involved with all facets of the business operation.

- Provided technical guidance for development of current generation of proprietary hazardous energy control software.
- Led marketing and sales effort to acquire several hi-profile accounts in targeted business sectors.
- Provide primary consulting services promotional support through public speaking, writing and national volunteer activities.
- Developed model for cost-benefit assessment of hazardous energy control services.

1987 - 1998

**American National Can – Chicago, Illinois**

Vice President, Environment, Health, & Safety (1994-1998)

Responsible for managing all domestic and overseas activities associated with the protection of human and physical assets, the environment and public for a \$5 billion diversified packaging company. Scope of influence included six major business units, 18,000 employees and 15 facilities in 30 states and 12 countries.

- Guided efforts to integrate environment, health and safety initiatives as well as establish ISO 9000/14000 compatible management systems.
- Directed EPA/OSHA regulatory affairs involving over 150 site inspections with minimal non-compliance impact.
- Managed development of EHS manuals, centralized *Title V* permit process, and compliance audit mechanisms.
- Led EHS due diligence process for sale of two major businesses valued at \$1.2B.
- Developed occupational health risk assessment process for intervention targeting strategy.

1987 - 1998

**American National Can – Chicago, Illinois**

Director, Safety & Health (1987-1993)

Directed company occupational health, industrial hygiene, property protection, and safety programs. Responsible for policy-procedure development and assisting management to implement progressive protective practices.

- Collaborated with operational management to achieve 40% reduction in injury/illness rates. Achieved experience less than one-half of U. S. manufacturing rates.
- Developed state-of-the-art hearing conservation and chemical hazard information programs.
- Managed worldwide safety/health affairs with three internal professionals and an out-sourced loss control network.

1975 - 1986

**Kaiser Aluminum & Chemical Corporation – Oakland, California**

Director, Safety & Health (1982-1986)

Responsible for worldwide health and safety for 25,000 employees and 120 facilities. Established policy and developed programs/procedures to protect employees, customers and the public. Represented the company regarding safety, health, and public risk issues before government, union, and insurance organizations.

- Managed state/federal OSHA regulatory affairs involving over 600 facility inspections.
- Directed technical sales project involving loss control training for Saudi Arabian government.
- Researched and implemented protective clothing program for molten metal exposure resulting in 35% reduction in employee burn experience.

1975 - 1986

**Kaiser Aluminum & Chemical Corporation – Oakland, California**

Director, Safety & Protection Services (1975-1981)

Developed and managed company safety, fire protection, and security and workers' compensation programs for worldwide operations. Functionally supervised 50 safety/loss prevention professionals in ten operating divisions with an aggregate budget of \$9 million.

- Designed programs to reduce occupational injury/illness by 65% and property losses by 35%.
- Led effort to solve tubular strander accident problem involving machinery redesign which resulted in \$1.5 million annual savings.
- Instituted periodic briefing of Board of Directors Corporate Conduct Committee.
- Directed all workers' compensation claims management activities for self-insured, state fund, and T.P.A. programs.

1971 - 1974

**AMAX, INC. – Greenwich, Connecticut**

Corporate Director of Loss Prevention (1971-1974)

Managed safety, security, fire protection, occupational health and industrial hygiene programs for diversified natural resources company with 90 facilities and 17,000 employees worldwide. Directed company safety/health regulatory affairs and legislative activities.

- Established corporate loss prevention function and accredited industrial hygiene laboratory.
- Designed programs which reduced injury/illness rates and worker' compensation claims by 30%.
- Solved zinc refinery acid mist and lead smelter respiratory over-exposure problems.
- Served as principal member of Corporate Environmental Affairs Committee.

**AUTHORED PUBLICATIONS AND ARTICLES**

- Author, National Safety Council textbook, *Lockout/Tagout – The Process of Controlling Hazardous Energy*
- Chief Technical Consultant, National Safety Council LO/TO Employee Training Program
- Author, National Safety Council Employee Lockout Training “Pamphlet”
- Safety Management, “LO/TO Key to Employee Safety” (December 2001)
- Maintenance Management, “LO/TO Key to Safety in Maintenance” (December 2001)
- Guidelines for Handling Molten Aluminum – Aluminum Assoc.
- Forklift Safety – Professional Safety
- Carpal Tunnel Syndrome – Gallagher Bassett Services

## **PRESENTATIONS – FEATURED SPEAKER**

- Creative Hazardous Energy Control Seminar, ASSE Conference, Anaheim, CA (8 hours, June 2001)
- NSC Exposition, Creative Hazardous Energy Control Seminar (8 hours) (1990, 1991, 1993, 1994, 1995, 2001)
- NSC Exposition, LOTO ANSI Z244 General Session (2.5 hours) (2001)
- A.I.M.E. – Mining Safety Standards & Controlling Molten Metal Risks
- Aluminum Assoc. – Electrical Safe Work Practices

## **KEY ACCOMPLISHMENTS**

### **Control of Hazardous Energy (Lockout/Tagout) Profile**

- Original member of ANSI Z 244.1 Lockout/Tagout Standard Committee and current Chairman of Committee. Led development of current 2003 standard “Lockout/Tagout and Alternative Methods”.
- Over 30 years lockout/tagout experience involving program design, incident investigation, standards development, litigation, regulatory case management, training, performance auditing, etc.
- Reviewed and assessed over 100 company lockout/tagout programs.
- Trained over 1000 safety professionals, engineers, maintenance and operations personnel, etc. in hazardous energy control techniques.
- Investigated over 300 lockout/tagout incidents and reviewed/provided counsel on numerous other cases.
- Principal consultant for employers in over 100 cases involving federal and state OSHA lockout/tagout citations.

### **Representative Projects**

- U.S. Dept. of Labor, Philadelphia, PA (1998)
- Kaiser Aluminum, Multiple Sites (2001-2006)
- Ehlke Legal, Seattle, WA, WISHA citations (1999)
- MacDonald, Hoague & Bayless, Seattle, WA, Product Liability (2004)
- Gibson, Lefler & Associates, Princeton, W.V., Wrongful Death
- Ruder, Ware & Michler, Wausau, WI, Disabling Injury
- Arent Fox, Washington, DC, Multiple Client OSHA cases
- National Safety Council, DuPont, Equistar Chemical, Field Container, Dart Container, Abbott Labs, Dial Soap, Rexam Inc. and Pechiney Plastic.

## **AVAILABILITY**

Mr. Grund is available for nationwide and international assignments through Americana Safety Associates, LLC