

Corporate Business Card
Overview of Nelson & Associates' Specialties
www.hazardcontrol.com

Nelson & Associates
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Unique Nelson & Associates Resources:

- Large current and historical safety engineering library regarding subject matter listed in expanded box below.
- Special collections:
 - 50 years+ National Safety Council publications.
 - 35 years+ ICB, UBC, SBC, NFPA Building Codes plus all editions of ANSI A17.1 and ADA
 - OSHA since 1971.
 - Special textbook collections regarding Industrial Safety, Machine Guarding, Construction Safety, Manual Lifting, Product Safety, Fall Protection and Prevention, and Human Factors Engineering.
 - 40 years+ Agricultural Machinery Standards.
 - And much more.

Workplace Safety Management and Engineering

- General Industry and Manufacturing
- Construction
- Agricultural
- Marine / Offshore
- Multi-employer Worksites
- Job Safety Analysis
- Core Principles of Hazard Control
- Workplace Safety Training
- Safety Inspection Techniques
- Lockout/Tagout
- Color Coding
- Work Permits
- Confined Space Entry
- Causes / Prevention of Dust Explosions

Premises Safety Engineering and Management

- Stairs, Ramps, and Level Surfaces
- Small Changes in Elevation
- Slip and Trip-Type Falls
- Coefficient of Friction Testing
- Falling Merchandise
- Lighting Surveys
- Building Codes – IBC, NFPA, ANSI, ADA
- Commercial, Retail, Public, and Private

Product Safety Engineering

- Hazard Identification, Evaluation, and Control Techniques
- Adequate Warnings and Instructions

Fall Prevention

- Stairs, Ramps, and Level Surfaces
- Floor Holes and Openings
- Design of Fall Protection Systems
- Ladders / Handhold-Foothold Systems
- Scaffolding
- Falls from Vehicles

Materials Handling

- Mechanical Materials Handling
- Manual Lifting and Force Application
- NIOSH, TLV, 3DSSPP Lifting Guidelines
- Crane, Hoist, and Forklift Operations
- Conveyor and Auger Systems
- Load and Cargo Restraint
- Back-up Alarms

Machine Guarding

- Point of Operation
- Functional Components
- Mechanical Power Transmission
- Presence Sensing Devices
- Interlocks

Human Factors Engineering and Ergonomics

- Human Physical, Physiological, Psychological and Cultural Capabilities and Limitations
- Visual Acuity / Line of Sight
- Dark Adaptation
- Reaction Time