The ABC’s of OSHA

30th Annual Ride Safety Inspection Forum
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OSHA’s Top 10 Cited Serious Violations

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<th>Standard Number</th>
<th>Hazard</th>
<th>Fiscal Year 2016</th>
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<tr>
<td>1910.120</td>
<td>Fall Protection - General Requirements</td>
<td>5,665</td>
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<td>1910.136</td>
<td>Scaffolding</td>
<td>2,855</td>
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<td>1910.134</td>
<td>Respiratory Protection</td>
<td>2,625</td>
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<td>1910.135</td>
<td>Safety/Dental</td>
<td>2,448</td>
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<td>1926.451</td>
<td>Lockout/Tagout</td>
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<td>1910.178</td>
<td>Powered Industrial Trucks</td>
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<td>1910.147</td>
<td>Ladders</td>
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<td>1910.303</td>
<td>Machine guarding</td>
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<td>1910.305</td>
<td>Electrical – Wiring Methods</td>
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<td>1910.212</td>
<td>Electrical – General Requirements</td>
<td>1,182</td>
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OSHA’s Top 10 Cited Serious Violations

General Industry 29 CFR 1910

- walking/working surfaces
- exit routes, emergency action plans and fire prevention plans (means of egress)
- work platforms
- ventilation
- radiation
- hazardous materials
- personal protective equipment
- sanitation
- medical and first aid
- fire protection
- compressed gas/air equipment
- material handling and storage machinery and machine guarding
- hand-held equipment
- welding, cutting and brazing
- electrical wiring and electronics
- commercial diving
- toxic and hazardous substances
Construction 29 CFR 1926

- fire protection
- signs, signals and barricades
- personal protective and lifesaving equipment
- material handling, storage, use and disposal
- hand/power tools, welding and cutting
- electrical
- scaffolds
- diving
- toxic and hazardous substances

- overhead protection
- stairways and ladders
- fall protection
- cranes, derricks, hoists, elevators and conveyors
- motor vehicles
- excavations
- concrete and masonry
- steel erections
- demolition and blasting

What If No Standard Exist?

Section 5(a)(1), General Duty Clause –

Each employer (1) shall furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or likely to cause death or serious physical harm to his employees; (2) shall comply with occupational safety and health standards promulgated under this Act.

In Other Words:
- Failed to keep the workplace free of a hazard to which employees of that employer were exposed,
- The hazard was recognized,
- The hazard was causing or was likely to cause death or serious physical harm,
- There was a feasible and useful method to correct the hazard.

Other Standards and Codes

ANSI American National Standards Institute
API American Petroleum Institute
ASME American Society of Mechanical Engineers
ASTM American Society of Testing and Materials
AWS American Welding Society
CSA Compressed Gas Association
CMMA Crane Manufacturer’s Association of America
NEMA National Electrical Manufacturer’s Association
NFPA National Fire Protection Association
NIOSH National Institute of Occupational Safety and Health
SAE Society of Automotive Engineers
UL Underwriters Laboratory
USDOT United States Department of Transportation
Safety and Health Programs

- Research indicates benefits to companies who establish **effective worker safety and health programs**:
  - Reduction in the extent and severity of work-related injuries and illnesses
  - Improved employee morale
  - Higher productivity
  - Lower workers’ compensation costs

Exemplary Workplaces

- Common characteristics of effective safety and health programs:
  - Assignment of responsibility to managers, supervisors, and workers
  - Regular inspections to control hazards
  - Employee training and orientation for the recognition and avoidance of hazards

S & H Program Guidelines

- Systematic approach to hazard:
  - Identification
  - Evaluation
  - Control
Hierarchy of Hazard Removal

Effectiveness

Eliminate

Engineering Controls

Administrative Controls

PPE

Major Elements

- Keys to an effective program:
  - Management commitment and employee involvement
  - Worksite analysis
  - Hazard prevention and control
  - Safety and health training

Management Commitment

- Management provides:
  - Direction and motivation
  - Resources
  - Activity control
Management Commitment

- Safety and health policy statement
- Clear program goals and objectives
- Visible involvement in program from top management
- Leadership

Management Commitment

- Assignment of safety and health responsibilities
- Clear communication of program goals

Management Commitment

- Provides adequate authority to responsible personnel
- Holds managers, supervisors and employees accountable for meeting their responsibilities
Management Commitment & Employee Involvement

- Complement one another
- Management provides the motivating force and resources for safety and health programs
- Employee involvement provides workers opportunities to develop and express their own commitment to the safety and health program

Employee Involvement

- Active role for employees:
  - Workplace inspections
  - Hazard analysis
  - Development of safe work rules
  - Training of coworkers & new hires

Safety and Health Training

- Cover all required employee training
- Documentation where required
- Reinforcing employee training:
  - Continual feedback
  - Refresher training as needed
General Industry Required Training

- Powered Platforms, Manlifts, Vehicle Mounted Platforms: 1910.66(l)
- Occupational Noise Exposure: 1910.95(k)
- Process Safety Management: 1910.110(g)
- Hazardous Waste Operations & Emergency Response: 1910.120(e)
- Personal Protective Equipment: 1910.132(f)
- Respiratory Protection: 1910.134(b)
- Permit Required Confined Space: 1910.146(g)
- Control of Hazardous Energy (Lock Out/Tag Out): 1910.147(c)(7)
- Fire Brigades: 1910.156(c)
- Personal Fire Extinguishers: 1910.157(g)

General Industry Required Training

- Serving Multipiece and Single Piece Rim Wheels: 1910.177(c)
- Powered Industrial Trucks: 1910.178(l)
- Logging Operations: 1910.266(l)
- Telecommunications: 1910.268(c)
- Electric Power Generation, Transmission/Distribution: 1910.269(a)(2)
- Grain Handling Facilities: 1910.272(e)
- Electrical: 1910.332
- Asbestos: 1910.1001
- Bloodborne Pathogens: 1910.1030(g)(2)
- Hazard Communication: 1910.1200(h)
- Occupational Exposure to Chemicals in Laboratories: 1910.1450(f)