OBJECTIVES

• Identify the cost savings by avoiding the Top 10 safety & health violations
• Identify common best practices and experiences in general safety and health
• Review MIOSHA Top 10 safety and health violations (e.g., hazard communication, guarding & electrical)
• Recognize common workplace hazards as determined by the Top 10 safety and health violations
Top 10 Most Serious Cited MIOSHA GI Safety Violations

Presented By:
Lee Jay Kueppers

1. Part 85. Control of Hazardous Energy Sources, Adopted-1910.147c
   - Energy Control Program.
   - Lockout Tagout - Machines modified after 1/2/90 must be capable of being locked out
   - Full Employee Protection
   - Energy Control Procedure
   - Protective Materials and Hardware
   - Periodic Inspections
   - Training and Communication
   - Energy Isolation
   - Notification Of Employees

Serious Violations: 285
Proposed Penalties: $433,860
CASE STUDY

TOP 10 MOST SERIOUS MIOSHA GI SAFETY VIOLATIONS

Part 7. Guards for Power Transmission: Rule 727(1) - Belts and Pulleys

- Guard Belt, Pulley< 7 ft Above the Floor
- Guard Horizontal Belt/Pulley> 7 feet
- Guard Vertical Belts/Pulleys> 7 feet

<table>
<thead>
<tr>
<th>Serious Violations</th>
<th>136</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposed Penalties</td>
<td>$158,325</td>
</tr>
</tbody>
</table>
CASE STUDY

TOP 10 MOST SERIOUS MIOSHA
GI SAFETY VIOLATIONS

Part 33 (Rule 3312) - Personal Protective Equipment
(Eye and Face Protection)

- Employer required to ensure employees will wear appropriate eye protection
  - Side protection
  - Manufacturer markings
  - Appropriate filter lenses
  - Capable of sanitizing

Serious Violations: 105
Proposed Penalties: $72,400
Top 10 Most Serious MIOSHA GI Safety Violations

Part 39. Design Safety Standards for Electrical Systems
Adopted-1910.303g

- Provide Sufficient Access and Space
- Guard>50 Volts From Accidental Contact
- Enclosures: Electrical Equipment

<table>
<thead>
<tr>
<th>Serious Violations</th>
<th>82</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposed Penalties</td>
<td>$171,265</td>
</tr>
</tbody>
</table>

CASE STUDY
Top 10 Most Serious MIOSHA GI Safety Violations

Part 2. Floor and Wall Openings, Stairways and Skylights- Rule 213(2), Standard Barriers

• Guard open sided platform at 4 ft. or more above adjacent floor with standard barrier
• Toe boards

Serious Violations 66
Proposed Penalties $88,025
Top 10 Most Serious MIOSHA GL Safety Violations


Guard pinch point or protect the employee exposed to contact.

<table>
<thead>
<tr>
<th>Serious Violations</th>
<th>65</th>
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</thead>
<tbody>
<tr>
<td>Proposed Penalties</td>
<td>$240,900</td>
</tr>
</tbody>
</table>

CASE STUDY
Top 10 Most Serious MIOSHA GI Safety Violations


Provide point of operation guard or device.

<table>
<thead>
<tr>
<th>Serious Violations</th>
<th>61</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposed Penalties</td>
<td>$146,750</td>
</tr>
</tbody>
</table>

CASE STUDY
Top 10 Most Serious MIOSHA GI Safety Violations

Part 33. Personal Protective Equipment, Rule 3308-Hazard Assessment & Equipment Selection

• Employer Shall Assess the Workplace to Determine the Hazards That Require PPE

• Written Certification That Hazard Assessment Has Been Conducted

• Communicate Selection Decisions to Employees

Serious Violations  61
Proposed Penalties  $85,590

10 Most Serious MIOSHA GI Safety Violations

Part 26. Metalworking Machinery, Rule 2635(1)-Metal Band Saws

• Guarding Vertical/Horizontal Band Saw Blades

• Guarding Vertical Band Saw Wheels

• Horizontal Saw-Vertical Position

Serious Violations  52
Proposed Penalties  $47,600
CASE STUDY

Top of Table

Bottom of Table
10 Most Serious MIOSHA GI Safety Violations

MIOSHA ACT 154 - P.A.1974, as amended Section (4080.1011a)-General Duty Clause

- Furnish to Each Employee, A Workplace Free Of Recognizable Hazards
- Comply With Act 154, Rules, Standards

CASE STUDY
CASE STUDY

Swivel Bolt

Eye Bolt

Top 10 Most Serious Cited MIOSHA GI Health Violations

Presented By:
Curtis Johnson
Top 10 Most Serious MIOSHA
GI Health Violations

Part 472. Medical Services & First Aid Rule 325.47201(3)

Provide suitable facilities for quick flushing of the eyes & body when the eyes or body may be exposed to injurious or corrosive materials

<table>
<thead>
<tr>
<th>Serious Violations</th>
<th>75</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposed Penalties</td>
<td>$86,900</td>
</tr>
</tbody>
</table>

CASE STUDY
CASE STUDY

CASE STUDY
Top 10 Most Serious MIOSHA GI Health Violations

Part 430. Hazard Communication (1910.1200e)

- Developing and implementing a written program
- Labeling of containers of hazardous chemicals
- Maintaining safety data sheets (SDSs)
- Employee training

Serious Violations: 64
Proposed Penalties: $53,475
Case Study

Top 10 Most Serious MIOSHA GI Health Violations

Part 433 (Rule 8) - Personal Protective Equipment (Eye and Face Protection)

Employer required to ensure employees will wear appropriate eye protection

- Side protection
- Manufacturer markings
- Appropriate filter lenses
- Capable of sanitizing

Serious Violations 47
Proposed Penalties $29,825
Case Study

Top 10 Most Serious MIOSHA GI Health Violations

Part 433 (Rule 5) - Personal Protective Equipment (Hazard assessment and equipment selection)

Assess the workplace to determine if hazards are present that necessitate the use of personal protective equipment.

- (a) Select, and have each affected employee use, the personal protective equipment identified in the hazard assessment.
- (b) Communicate selection decisions to each affected employee.
- (c) Select personal protective equipment that properly fits each affected employee

Serious Violations  43
Proposed Penalties  $30,525
Top 10 Most Serious MIOSHA GI Health Violations

Part 451. Respiratory Protection 1910.134c
Respiratory Protection Program

• Requires the employer to develop and implement a written respiratory protection program with required worksite-specific procedures and elements for required respirator use.

<table>
<thead>
<tr>
<th>Serious Violations</th>
<th>32</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposed Penalties</td>
<td>$23,965</td>
</tr>
</tbody>
</table>
Top 10 Most Serious MIOSHA GI Health Violations

Part 490. Permit Required Confined Spaces (PRCSs): (1910.146c) General requirements

Evaluating the workplace to determine if spaces are PRCSs

Informing exposed employees by posting danger signs or by any other equally effective means, of the danger and PRCS locations

Developing and implementing a permit space program when employees will enter

CASE STUDY
CASE STUDY

 CASE STUDY
Top 10 Most Serious MIOSHA GI Health Violations

Part 433 (Rule 6) - Personal Protective Equipment (Employee training)

The training shall include all of the following:

(a) When and why personal protective equipment is necessary.
(b) What personal protective equipment is necessary.
(c) How to properly don, doff, adjust, and wear the personal protective equipment.
(d) The limitations of the personal protective equipment.
(e) The proper care, maintenance, useful life, and disposal of the personal protective equipment.

CASE STUDY

Serious Violations 31
Proposed Penalties $29,000
Top 10 Most Serious MIOSHA GI Health Violations

Part 430. Haz/Com-Right To Know Law Adopted 1910.1200(h)-Training

Provide employees with information and training on hazardous chemicals:

- At time of initial assignment; and
- When a new hazard is introduced.

Serious Violations 30
Proposed Penalties $89,100

CASE STUDY

Nine symbols will identify the hazards:

<table>
<thead>
<tr>
<th>Flame over circle</th>
<th>Flame</th>
<th>Exploiting bomb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxidizers</td>
<td>Flammables</td>
<td>Explosives</td>
</tr>
<tr>
<td></td>
<td>Pyrophemics</td>
<td>Self Reactives</td>
</tr>
<tr>
<td></td>
<td>Self-Heating</td>
<td>Organic Peroxides</td>
</tr>
<tr>
<td></td>
<td>Emits Flammable Gas</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Self Reactives</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Organic Peroxides</td>
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</table>

<table>
<thead>
<tr>
<th>Skull and crossbones</th>
<th>Corrosion</th>
<th>Gas cylinder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (severe)</td>
<td>Corrosives</td>
<td>Gases under pressure</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>Environment</th>
<th>Exclamation mark</th>
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</thead>
<tbody>
<tr>
<td>Carcinogen</td>
<td>Aquatic Toxicity</td>
<td>Irritant</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td></td>
<td>Skin Sensitizer</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td></td>
<td>Acute Toxicity (harmful)</td>
</tr>
<tr>
<td>Respiratory Sensitizer</td>
<td></td>
<td>Narcotic effects</td>
</tr>
<tr>
<td>Target Organ Toxicity</td>
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<td>Respiratory Tract Irritation</td>
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<tr>
<td>Aspiration Toxicity</td>
<td></td>
<td>Hazardous to Ozone Layer</td>
</tr>
</tbody>
</table>
CASE STUDY

SELLATAN RL LIQ
5403
160KG NET
145: 33KG GROSS

Attention
Warning

CASE STUDY
Top 10 Most Serious MIOSHA GI Health Violations

Part 305. Asbestos, Communication of hazards to employees -- Introduction, 1910.1001(j)

Building and facility owners and employers shall inform employees who will perform housekeeping activities in areas which contain ACM of the presence and location of ACM.

CASE STUDY
Top 10 Most Serious MIOSHA GI Health Violations

Part 554. Bloodborne Infectious Diseases, Rule 4

If an employee is determined to be in category A, then an employer shall establish a written exposure control plan to minimize or eliminate employee exposure.

<table>
<thead>
<tr>
<th>Serious Violations</th>
<th>20</th>
</tr>
</thead>
<tbody>
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<td>Proposed Penalties</td>
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Question

THANK YOU