Hazard Recognition
Failures & Best Practices
Hazard Recognition

rec·og·ni·tion/ˌrekəɡˈniSH(ə)n/
noun
1. the action or process of recognizing or being recognized, in particular.

haz·ard/ˈhazərd/
noun
1. a danger or risk.
2. chance; probability.
3. a gambling game using two dice, in which the chances are complicated by arbitrary rules.

verb
1. venture to say (something).
2. put (something) at risk of being lost.
What’s Your Personal Risk Tolerance?

<table>
<thead>
<tr>
<th>What is your personal risk perception of the following activities?</th>
<th>Low 1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>High 5</th>
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</thead>
<tbody>
<tr>
<td>1. Bungee jumping</td>
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<td>2. Sunbathing</td>
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<td>3. Traveling by plane</td>
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<td>4. Mountain biking</td>
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<td>5. Traveling overseas</td>
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<td>6. Driving without a seat belt</td>
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<td>7. Smoking</td>
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<td>8. Skiing</td>
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<td>9. Skateboarding</td>
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<td>10. Driving at 10 miles per hour over the speed limit</td>
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<td>11. Disagreeing with your spouse (or significant other)</td>
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Hazard Recognition

- Everything thing we do has a level of hazard

- Hazard Recognition is a basic fundamental

- Hazard Recognition (inside the box process)
Hazard Recognition is one of the six key elements of our safety process

1. Management Commitment
2. Employee Involvement
3. Worksite Analysis
4. **Hazard Recognition (24/7)**
5. Training of Understanding
6. Continuous Improvement
Hazard Recognition

Eight Pillars of Safety

Ownership Project  Knowledge Transfer  Sustainability  Responsibility Accountability  Recruitment  Rollout  Enforcement  Measurables Compliance vs Performance
Hazard Recognition

What is the highest hazard in this room?
Hazard Recognition

• Failures of Hazard Assessments

• Training
  • Lack of training
  • Individuals not capable
  • Poor roll out
Hazard Recognition

Failures of Hazard Assessments

Knowledge
  Too familiar with area
  Not familiar with process
Hazard Recognition

Failures of Hazard Assessments

Delivery

Intentional blindness?
How many audits do we have to do?
When do I have time?
Isn’t this the job of Safety?
Hazard Recognition

Failures of Hazard Assessments

Understanding

Purpose of auditing?
Does it really make a difference?
What are we actually measuring?
Hazard Recognition

Failures of Hazard Assessments

Frequency

How often do we need to do this?

Do we do this as often as we say we will?
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Failures of Hazard Assessments

Action

Lack of data deciphering
Lack of corrective action
Hazard Recognition

How do we raise the bar?
Hazard Recognition

Best Practices
• Written Programs
  – Train to instructions
• JHA, Work Instructions
  – Train to recognize hazardous tasks
• Inspections
  – Tasks, daily, operational, weekly, monthly, annual
• Checklists
  – Equipment, process, start-ups
• Investigations
  – Incident, loss, discrepancy
• Hazard Assessment
  – Personal Protective Equipment, Guarding
• Behavioral Base Activities
  – Human element
Hazard Recognition

Best Practices

• Hazard Tracking
  – White Papers
    • I2P2, Injury Illness Prevention Program

• OSHA
  – Tracks and records, fatalities, injuries

• Employer
  – Tracks how many hazards we identified
    • Eliminated or controlled
Hazard Recognition

Best Practices

Responsibility to Hazard Recognition

• Managers
• Engineers/Designers
• Supervisors
• Operators
• Competent Person
• Safety Teams

• Safety Consultant
Hazard Recognition

STOP!

Trying to build a safety culture.....
Hazard Recognition

Q&A