Safety in Carpet Collections

2023 CARE Annual Conference – Russ DeLozier – April 25
Risk Management is Simply...

Layers of Protection

Determination
YOUR KIND IS HEADED FOR EXTINCTION.
Risk Management is Simply....

Layers of Protection
AI: Can you tell me what you know about industrial safety?
Chart 1. Number of fatal work injuries, 2011-21
Chart 3. Fatal work injuries by major event or exposure, 2017-21
Chart 4. Fatal work injury rates per 100,000 full-time equivalent workers by selected occupations, 2020-21

- Logging workers
- Fishing and hunting workers
- Roofers
- Aircraft pilots and flight engineers
- Structural iron and steel workers
- Driver/sales workers and truck drivers
- Refuse and recyclable material collectors
- Underground mining machine operators

[Bar chart showing the comparison of fatal work injury rates for different occupations between 2020 and 2021]
What is Risk and Safety?

PPE

Equipment Safety

Transportation Safety

Area Safety

Challenge to Change
RISK – More than a four letter WORD

\[ f \{ \text{HAZARD}, \text{Probability} \} = \text{RISK} \]

RISK Management in Safety World comes in two types:

- **Process Safety**
- **Personal Safety**
A hazard is anything that can cut you.
A hazard is anything that can trip you
A hazard is anything that can burn you
A hazard is anything that can crush you
A hazard is anything that can hurt your hearing.
A hazard is anything that can hurt your eyes.
A hazard is anything that can make you sick.
A hazard is anything that can cause you pain.
Comparison of Workplace Incident Rates

<table>
<thead>
<tr>
<th>Industry</th>
<th>Incidents Per 200,000 Hours</th>
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<tbody>
<tr>
<td>Financial</td>
<td>1.2</td>
</tr>
<tr>
<td>Communications</td>
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<tr>
<td>Utilities</td>
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<tr>
<td>Wholesale</td>
<td>3.2</td>
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<tr>
<td>Leisure &amp; Hospitality</td>
<td>3.86</td>
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<tr>
<td>Coal Mining</td>
<td>3.86</td>
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<td>Construction</td>
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<td>Retail</td>
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<td>Education &amp; Health Services</td>
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<tr>
<td>Agriculture/Forestry/Hunting</td>
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<tr>
<td>Transportation &amp; Warehousing</td>
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</tbody>
</table>

Source: 2010 data from Peabody; U.S. Department of Labor, Occupational Safety & Health Administration; Mine Safety and Health Administration
The Bird Triangle

A study by Frank E. Bird into the relationship between varying incident severity

1. Fatality or Major Accident
2. Minor Accidents
3. Property Damage
4. Close Calls
PPE

- Safety Glasses – Lint, Other flying debris
- **Vests** – Fork Truck traffic
- **Gloves** – metal contaminates, cuts/sharps
- Shoes – Covered toe and heel
- Ear Plugs (if over 83db) – Loud equipment
Tools

• Knife – Correct knife for the job
  – Box cutter
  – Hook bill knife
  – Scissors
  – Electric shear

• Regardless of the type, a sharp knife will lower the risk of injuries
Powered Equipment

• Bailer – Follow the factory instructions for operating bailers
  – Never enter a bailer (LOTO)

• Conveyor Systems – Moving belts present hazards
  – Pinch points
  – Opportunity to be pulled by or into the belt by clothing or hair
Lift Trucks

- Anyone operating a lift vehicle must be **properly trained** on the type of lift and on hazards the operator will face in the facility of operation.
- Operators must always wear a **seatbelt**.
- The vehicle must be of **size and capacity rating** for the load to be carried.
- **Loading Procedures** for trucks.
Lift Trucks
Video of Fork Truck accident
Material Handling

- Stack baled material in a stable arrangement
- Do not block emergency exits
- Do not block fire extinguishers
Bale Stacking – “Easy” Safety

Sure, w/h is limited

Sure, this results in some lost space

But, How much is a life or limb worth?
A Word on PROCESS Safety

• Fires, fires, fires
  – The Carpet Recycling Industry is not without incidents of Fire Safety
• Sprinkler System (don’t over stack material)
• Fire extinguishers (inspect)
• Good housekeeping
  – an ounce of prevention is worth 1 pound of cure
The Missing Piece

YOU
Performance can be Improved / RISK can be Reduced

- **Step 1**: Change *your* Attitude
- **Step 2**: Change *your* expectations
- **Step 3**: Purchase PPE
- **Step 4**: Work one day in the w/h

Housekeeping, switch bypassing, etc
Safety is no Accident
The Challenge

- I determine to Work Safe TODAY
- I determine to provide PPE for my EEs
- I determine to set HIGH expectations
- I determine to do all I can so that an EE who works for me not get injured
Do you have any questions?
Bonus Video of White Shirt
Bonus Video...
One more AI Question
AI: Do you know anything about CARE regarding carpet recycling?
Good news...
Sort of

Waste industry fatalities dropped in 2021

Published: January 2, 2023
Updated: January 2, 2023
by Marissa Heffernan

Solid waste collectors had 34 reported workplace fatalities in 2021, down from 38 in 2020. | Sundry Photography/Shutterstock

Refuse and recyclable material collectors had the seventh-deadliest job in the U.S. in 2021, an improvement over the previous year's sixth place.

According to data collected by the U.S. Department of Labor's Bureau of Labor Statistics in the Census of Fatal Occupational Injuries, refuse and recyclable material collectors had a fatal injury rate of 27.9 per 100,000 full-time equivalent workers. This is an improvement from the 2020 rate of 31.3 per 100,000.

It's important to note that while the number of fatalities may have decreased, the rate of fatalities among refuse and recyclable material collectors remains significantly higher than the average for all industries.