

First Quarter, 2010
Volume 1, Issue 10



PPSA Quarterly Review

Pulp and Paper Safety Association (850) 584-1569

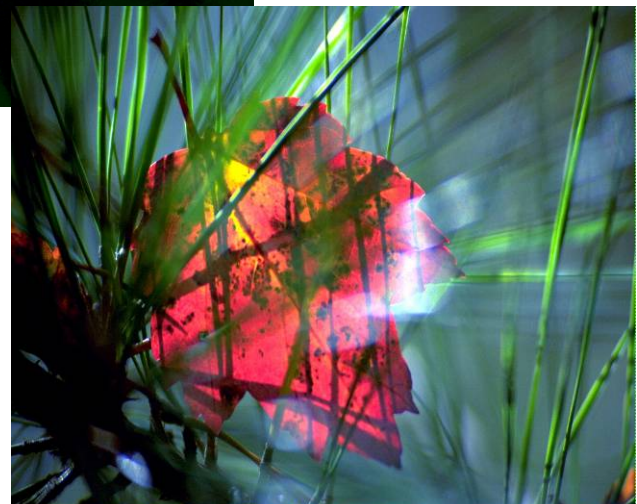
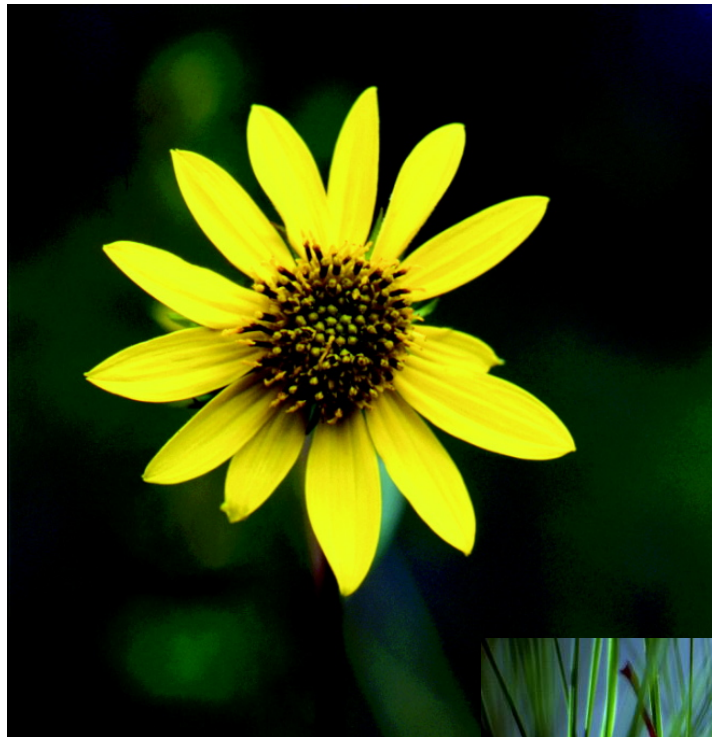
Website www.ppsa.org

Special Interest Articles:

- Chairman's Letter
- PPSA 2010
Conference
- Safety
 - Life &
Breath
Story
 - Chemical
Safety
Board
Article
- Ergonomics
- About Us

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Photos compliments of:
Temple-Inland Photo Gallery

Be Safe & Enjoy the Spring weather

A Letter from Our Chairman



Current Activities & 2010 Focus

2010 Conference:

- Our 2010 conference will be held in beautiful Charleston, SC. the week of June 6th, 2010, and program development is well underway. A "Program at a Glance" for the conference can be found on pages 5-6 of this issue. The conference will focus on a variety of industry related topics, including safety leadership, OSHA's new agenda, and combustible dust issues and lift truck safety just to name a few. We look forward to seeing you all in at the annual conference in Charleston for a fun and productive meeting.

Statistical Reporting and Submitted Articles:

- You may have noticed for the first time in PPSA history, we have not included First Quarter location accident and injury statistics. We will be moving from quarterly reporting of member individual site data to every six months (mid year and end of year). We will continue to provide company benchmark reports for the same time frames. It is our intent to move the content of the Quarterly report away from trailing indicator tracking and focus on incident prevention, information and recognition programs.
- We once again wish to remind you that the quarterly publication is enhanced greatly by articles from member companies. If you have a safety success story or Safety Alert that you would like to submit for publication in a PPSA Quarterly Review, please feel free to email them to: tomwatson@templeinland.com.

Upgrading the PPSA website:

- Work on updating our website is almost complete and offers easy navigation and valuable safety and training information. We are currently working on a new Members Only Section and expect to have that completed shortly. If you haven't already visited the website, please do so at www.ppsa.org.

Make available training materials and seminars on safety topics of interest to our members at a minimal cost:

- A reminder that we have entered into an agreement with Summit Training Source to provide safety training materials at a reduced price. Summit offers its extensive safety training product line to be sold and distributed through the PPSA. For example, if the list price for a Summit program is \$395, you will be able to purchase the same program through the PPSA web page at a discount price of \$355.50. You can access the PPSA member discount page for Summit Training at the following link: http://ppsas.org/conferences_and_seminars/summit_training_source_alliance.html

Identify and share solutions to those safety issues facing our industry and members:

- Board members have identified management of "Combustible Dust" as our highest immediate issue for the industry. When we are confident we can provide direction on compliance Brian Kendall and his team will coordinate educational seminars on this topic. If you have any suggestions for training and development opportunities that can help our industry please contact Brian or myself.

Vendors:

- Our vendor members are an important part of the Pulp & Paper Safety Association. Through their participation and support, our industry has improved opportunities to keep up on safety events, regulations, emerging issues, and the availability of resources. Board members have approved opportunities for our vendors to be more involved in sponsoring the annual safety & health conference. Four sponsorship levels have been identified to attract more vendors and reward their participation. **Bronze Level - \$800, Silver Level - \$1250, Gold Level - \$1850, and Platinum Level - \$2500.**

It is now spring for most of us and we have put our clocks forward to mark the official end of winter. We lost an hours sleep, but that's nothing compared to those hundreds of people who are seriously injured or even killed each year because they haven't checked their smoke alarm. So if you have not already done so, please remember to check your smoke alarm, it could save you and your family's lives!

General Chairperson – PPSA, Chris Redfearn.

PPSA Sponsorship is Needed!

PPSA is a non-profit association that relies on vendor and company sponsorships to supplement budgets and remain viable year to year. Financial support from vendors and corporate sponsors is essential to the survival of the association and helps keep membership rates low.

PPSA Sponsorships are offered at the following levels: Platinum Level = \$2,500; Gold Level = \$1,850; Silver Level = \$1,250; Bronze Level = \$800

We are Seeking Additional 2010 PPSA Sponsorship!

The 2010 vendor and company Sponsorships promised or received by PPSA at the 1st Quarter publication deadline are:

2010 Vendor Sponsors:

Platinum Level: Brady Corp.; Emergency Response Services; Hagameyer NA; Rite Hite

Gold Level: American Emergency Response Training (AERT)

Silver Level: (none)

Bronze Level: AEC, Inc.; Appleton Mfg.; Forklift Training Systems; Frommelt Safety Products; ISNetwork; Manzella Worldwide; Moldex-Metric, Inc.; Superior Glove Works Ltd.

2010 Company Sponsors:

Platinum Level: Kress Foundation; Mohawk Paper; Weyerhaeuser

Gold Level: Green Bay Packaging

Silver Level: (none)

Bronze Level: Temple-Inland, Inc.

Vendors recognized for sponsoring PPSA in 2009 were:

Platinum Level: SAC **Gold Level:** Rite Hite; AERT; Brady Corp. **Silver Level:** ISNetwork

In addition to the above, the following vendors provided financial support for the 2009 special functions such as the Chairman's Reception and Golf: AEC, Inc; AERT; Appleton Mfg.; Castell Interlocks ; ISNetwork; Lewis-Goetz; Manzella Worldwide; Rite Hite; SAC; SafeStart SafeTrack; Wells Lamont;.

Company PPSA Sponsors in 2009 were:

Platinum Level: Domtar Paper; Kress Foundation; Weyerhaeuser Company

Gold Level: Rite Hite; Green Bay Packaging; PPI (RISI); Temple-Inland, Inc.

Bronze Level: Georgia-Pacific



PPSA has been a resource to the pulp, paper, converting, recycle and forest products industry since 1944.

**Plan NOW to attend the 67th Annual Pulp & Paper Safety Association
Safety & Health Conference at the Marriott Charleston
Charleston, SC June 6th – 10th, 2010**

- Meet and make valuable safety contacts within Forest Products Industry
- Hear first hand from companies like yours with outstanding safety records
 - Find out about the latest OSHA activities and direction
 - Learn new accident avoidance techniques
 - Learn about new industry specific training programs
- Find out what is on the cutting edge and currently available from safety suppliers
- Learn from both the positive and negative experiences of others in our industry

Here are a few comments from attendees of the 2009 PPSA Conference:

- *The content and speaker materials were excellent;*
- *I enjoyed the interaction and learning from industry peers; and*
- *Great subjects, smooth flow, great organization, excellent conference!*

At the **Marriott Charleston Hotel** you will enjoy beautiful, redesigned guest rooms and suites coupled with supreme service and sophistication. Spacious, stylish and alive with color and energy, all rooms feature high speed internet access. Enjoy a sensory dining experience at Saffire Charleston's Oven, serving innovative, American-fusion cuisine for breakfast, lunch and dinner. Visit Aqua Terrace, a rooftop lounge, offering cocktails with brilliant views of the Ashley River. Unwind in the landscaped courtyard or workout in the state of the art fitness center with a panoramic view of the outdoor pool and whirlpool spa.



Marriott Charleston Hotel



Outdoor Pool and Patio

Additional information and registration materials for this year's conference are available on the PPSA website www.ppsa.org. Look for the early registration discounts.



PPSA has been a resource to the pulp, paper, converting, recycle and forest products industry since 1944.

**The 67th Annual Pulp & Paper Safety Association
Safety & Health Conference at the Marriott Charleston
Charleston, SC June 6th – 10th, 2010**

“Program-At-A-Glance”

Saturday June 5th

4:00 – 6:00 p.m.: Conference Registration Opens

Sunday June 6th

7:00 a.m. – 2:00 p.m.: Golf Outing

2:00 – 7:00 p.m.: Conference Registration

5:00 – 6:30 p.m.: The Vendor's Reception

Monday June 7th

6:30 a.m. – 4:00 p.m.: Conference Registration

7:00 – 8:00 a.m.: Breakfast

8:00 – 8:10 a.m.: Opening Day Welcome and Announcements

8:10 - 8:30 a.m.: OSHA Alliance Update presented by Ed Corlew, PPSA and Stan Lacey, AF&PA

8:30 – 10:00 a.m.: Keynote Address presented by Jeff Robinson

10:00 – 10:15 a.m.: Morning Break

10:15 a.m. – 11:00 a.m.: Successful Safety Committees/Task Teams by Ed Corlew, Mohawk Fine Papers

11:00 a.m. – 12 noon: Powered Industrial Truck Safety presented by David Hoover, President - Forklift Training Systems

12 noon to 1:00 p.m.: Lunch

1:00 – 2:30 p.m.: OSHA Update and National Emphasis Programs presented by Eric Hobbs, Michael Best & Friedrich LLP

2:30 – 2:45 p.m.: Afternoon Break

2:45 – 4:15 p.m.: Changes to the 2009 Edition of NFPA 70E and What They Mean to You

4:15 – 4:30 p.m.: Closing Day Comments

4:30 – 8:30 p.m.: Vendor Suites Open

Tuesday June 8th

7:00 – 4:00 p.m.: Conference Registration

7:00 – 8:00 a.m.: Breakfast

8:00 – 8:10 a.m.: Day 2 Announcements

8:10 – 9:45 a.m.: Equipment & Pre-Task Risk Assessments presented by Gregory K. Ellisor, Weyerhaeuser and David Kinsley, Rayonier

9:45 – 10:45 a.m.: Focused Safety Interventions presented by Chris Redfearn, Weyerhaeuser

10:45 – 11:00 a.m.: Morning Break

11:00 – 12 noon: Dealing with Unsafe but Accepted Practices

12:00 noon to 1:00 p.m.: Lunch

1:00 – 2:30 p.m.: Safety Leadership presented by Rodney Grieve, Branta Worldwide

2:30 – 2:45 p.m.: Afternoon Break

2:45 – 3:45 p.m.: How to Minimize Risk and Communicate the Cost to Management presented by Ben Warren, Applied Environmental Consulting

3:45 – 4:15 p.m.: Implementation of the Global Harmonization System (GHS) into the current HazCom Standard presented by Erik Conaway, Safetec

4:15 – 4:30 p.m.: Closing Day Comments

4:30 – 8:30 p.m.: Vendor Suites Open

Wednesday June 9th

7:00 a.m. – 12 noon: Conference Registration

7:00 – 8:00 a.m.: Breakfast

8:00 – 8:05 a.m.: Day 3 Announcements

8:05 – 9:00 a.m.: Combustible Dust & the LOTO
Exception Update presented by Larry Halprin,
Keller and Heckman LLP

9:00 – 10:00 a.m.: CalOSHA and Prop 65 Update
presented by Stewart Holm, Georgia Pacific

10:00 – 10:15 a.m.: Morning Break

10:15 – 11:45 a.m.: White Liquor Tank Explosion
presented by Kent Walker, Weyerhaeuser

11:45 a.m.: Box Lunch

5:00 – 6:00 p.m.: Cash Bar

6:00 – 9:00 p.m.: Awards Banquet



**We look forward to seeing you in beautiful Charleston, SC for some rest,
relaxation, networking, and a great conference!!**

2010 PPSA Golf Outing

Sunday June 6, 2010

Leave Hotel at 7:00 AM



Included in your \$85 Fee

- Unlimited range balls
- Green fees
- Cart fees
- Contest – (long drive, closest to the pin and the Blind Draw) “You never know who your partner might be at the end”
- Unlimited beer, soda, Gatorade, and bottled water on the course
- Hotdog & hamburger cookout including two sides, condiments, dessert (brownie or cookie), and a medium fountain drink
- Rental Clubs are available upon request at an extra charge

DRESS CODE:

Collared shirts must be worn, and shorts are of at least Bermuda-length. Denim jeans, tank-tops, t-shirts, or cut-offs are not allowed. Soft Spikes or tennis shoes are required to protect the greens.

2010 Pulp and Paper Safety Association Annual Spousal Outing

Tuesday, June 8

9:30 AM - 2 PM

Walk through Historic Charleston with Professional Guides

Featuring tour of a High Battery Home & Lunch in one of Charleston's most acclaimed restaurants



High Battery Palmer House



Experience Charleston's History

This walking tour will take you down some of the most historical streets of Charleston – some being over 300 years old. Expert guides will tell fascinating stories as they take you past places where history was made from times before the Revolutionary War to the Civil War to Hurricane Hugo. Enjoy a tour of a high Battery mansion overlooking Fort Sumter, light refreshments, and lunch in one of Charleston signature restaurants.

Details:

- Vans Depart Marriott at 9:30 AM and Drop off at downtown Charleston's famous market
- Tour will end at Restaurant at Noon
- 1:30 PM Vans pick up and return to hotel by 2:00

The PPSA Spouse Tour is sponsored by American Emergency Resource Training"

Safety

Grasping Hand Safety

There are skills and strategies everyone who works with their hands can learn that can reduce hand injuries

By **Robert Pater**, Ron Bowles

Jun 01, 2009

Whatever can you do to get a handle on safety? Specifically, to prevent injuries to fingers, wrists, hands, and arms that are common to many industries, especially where people use hand tools, assemble, work on machines, lift, load, cut, push, pull, and more?

Hand and finger injuries can range from persistent (bruises, pinches, lacerations, abrasions, and strains) to severe (amputation, dislocation, carpal tunnel syndrome, Raynaud's Disease, and more).

In our four-plus decades of combined experience, we've found strains and sprains are easiest to significantly reduce. Next come slips, trips, and falls. Hand injuries are even more challenging, even after most companies have done a good job of addressing reach-in hazards and providing PPE/gloves.

So what's the underlying problem? Exposure and attention.

Consider the number of exposures. According to numerous in-the-field professionals, a worker might lift, use tools, push, or pull (exposures to soft-tissue injury) hundreds of times per day; the same person may take thousands of steps per day. But he will likely use his fingers and hands tens of thousands of times, each of which brings potential for acute or cumulative injury.

Further, the more someone engages in any activity, the greater the risk of complacency and the less likely he'll be fully attentive of every movement—each of which is an "opportunity" for injury. With so many finger and hand movements, his Level of Accepted Risk rises. ("It won't happen to me. I've done this a thousand times.")

Now compound this "hand attention deficit" with the likelihood most people are one-side dominant to the degree they often have minimal awareness of their "off" (nondominant) hand. Understandably, when people are working with their hands and something goes wrong, they instinctively react by extending their hands to guard their body. This further puts their hands at risk. And, bear in mind, there are more effective ways for self-protection through training to reset default reactions.

The good news is, experience has shown it's possible to make significant improvements in preventing hand injuries—as well as strains/sprains and slips/trips/falls—with an approach that first puts workers in control of their own hand safety and then reinforces improvements in skills and actions.

Apply Strong Strategies for a Hand Full of Results

We've found that different types of exposures require different "solutions." In other words, methods for helping prevent cuts from using a box cutter are different from those for working with a drill press. Still, there are skills and strategies everyone who works with their hands can learn that can greatly prevent hand injuries:

"Awaken" workers to identify and lower their LOAR (Level of Accepted Risk) to see those "hidden" hazards that fall below their "Warning Light" threshold, going beyond an "I've always done it that way" of thinking.

Waking people up through fear or pointed reminders has shown only limited, short-term results. Instead, consider helping workers learn to recognize patterns that lead to hand injuries in their environments. For example, people often associate lacerations and cuts as stemming from sharp tools, but statistics show many hand injuries come from burrs or from equipment that was never intended to be sharp but developed an edge through wear.

By training people to consciously see hazards, they can then begin to identify patterns instinctively.

Boost mental skills for directing attention. These include learning to deliberately: Select where to place attention; Switch attention toward areas of greatest safety and away from the highest hazard; Shift attention back to tasks after being distracted; and Sustain attention on a task, even when other sights and sounds exert a pull away. And then Shift attention back to tasks after being distracted or "spacing out." Finally, to be able to sustain attention on a task, even when other sights and sounds exert a pull away.

Elevate Eye-hand coordination. The eyes physiologically lead movement. Our eyes are always scanning our environment, often unconsciously and in staggered movements (called "saccades" by neurophysiologists). Workers can learn how to sequence eye movements toward the safest and most efficient chain of desired moves to accomplish a task. These are specific skills that need practice, much more than just "awareness" of eye movement.

Harness the Kinesthetic Connection. Your hand position can either be supported or undermined by the position of your entire body. Help workers develop an internal "feel" for the best, most comfortable and controlled linkages of finger, hand, wrist, arms, shoulder, torso, hips, and legs.

Strengthen balance. Poor balance can contribute to hand injuries. For example, this can result in employees losing control of a tool or other object, resulting in a crushed-by or cut-by injury. Unfirm balance also can cause employees to reach out, using a hand to brace their weight in order to steady themselves, so they may potentially place their hands in a dangerous area (resulting in a wrist-finger-hand injury).

Go beyond just reminders and "awareness." Emphasis has to be on developing the specific skills needed for working safely, not just relying on cautions and warnings to "Pay more attention."

Raise offhand control of the non-dominant hand during a given task. In several types of injuries (e.g. cuts, burns, and pressure injection), the offhand is generally at greater risk. One reason may be that, when fatigued, people typically lean on their offhand, sometimes placing it in harm's way.

Similarly, people usually hold knives in their dominant hand, making offhand cuts more likely.

Left-handed people have many more injuries than their right-handed counterparts, according to research done by University of British Columbia's Dr. Stanley Coren and others. This, in effect, is because they live in a world not designed for them. To accommodate this, many left-handed people have learned to better use their offhand to a higher degree than do "righties."

Consider including left-handed representatives on your Safety committees in order to give needed and "other-sided" input into procedures, training, and equipment purchasing.

Promote unhampered alignment to simultaneously improve control and reduce accumulating forces. This also has to be kinesthetic. It doesn't seem to work to just tell people to "keep your wrists straight" or "in a neutral position." Many don't know what these words really translate to in action. Or they forget to apply directions when they get involved in their tasks. Remember that if a picture is worth a thousand words, a kinesthetic feeling is worth a million. Training can help workers recalibrate their internal sense of "naturally aligned" hand, wrist, and elbow positions—all critical to preventing both acute and cumulative injuries.

Practical Training Goes Hand-in-Hand With Safety

High-level hand safety entails helping people better look out for hazards, thinking differently about where they put their hands and how to more effectively use their hands to do all sorts of jobs. This doesn't happen with posters, reminders, videos, or even with a one-shot training "program." Everyone needs ongoing retraining and coaching. And this doesn't have to take an exorbitant amount of time. Rather, this can be woven into the normal workday by the informal communications of trained peer Safety trainers.

Hand injuries happen in all kinds of work. But you can grasp real and significant improvements in hand safety with a concrete approach founded on developing the right (and left) mental and physical skills.



Safety Alert – Design Blade Injury

**BEFORE****AFTER**

Incident Description

Employee was manually cutting a reverse slit from a piece of doublewall. He was holding the ruler with his right hand and pulling the blade across the ruler with his left hand. While he was cutting the sheet, the blade caught something in the board and popped out of the board. The pulling motion from cutting pulled the blade toward his right hand, lacerating his thumb. According to the two designers, having the knife pop out of the sheet happens from time to time during this type of work.

Root Causes

Force and hand proximity to the blade - the rules being used as a straight edge is only 1/8" thick and 1" wide, forcing the hand to be near the blade.

Corrective Action

Changing Straight Edge from a basic ruler to a Stanley Straight Edge with protective lip (Stanley Model# 45-101)

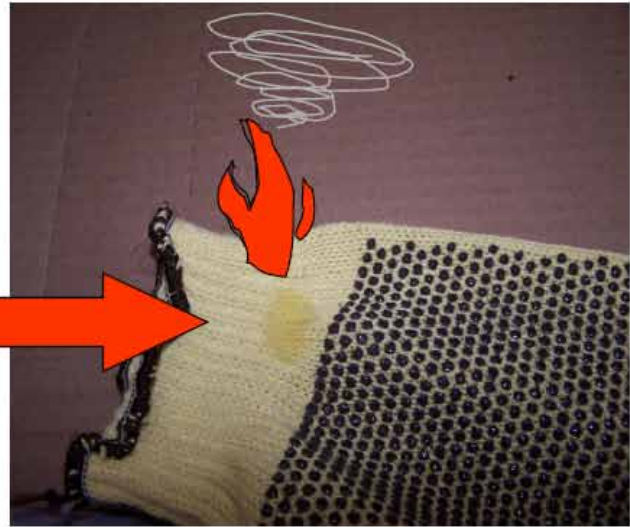
<http://www.amazon.com/St Stanley-45-101-24-Inch-MaxStick-Straight/dp/B00009P8AJ>

Requiring glove use on the non-cut hand (gloves are on order)

Alternate procedure: Using cutting sample table to do slit score on one side of sheet and flipping sheet and cutting reverse slit on the same table with a new design. In order to do this, two separate designs must be sent to the sample table.

On 6/8/2007, our EO93 employees reported that if they had the super glue (Adhesive Systems RP30) make contact with the "yellow cloth area" of a Kevlar Glove, that within 20 seconds, a burning smoke and heat would be caused by some sort of chemical reaction. An employee had a small minor burn on one of his fingers after having this occur. The demonstration proved that the combination of these two materials did produce extreme heat and smoke. We are not sure of the root cause yet, but wanted to get out the Alert.

Adhesive Systems RP30 www.instantca.com



Same Glue was applied to the Tuff-Coat blue rubber section of the Glove and no reaction. Even so, the "yellow" cloth section on the Tuff-Coat also had the heat/burn reaction.



Recommend using Tuff-Coat II Kevlar Gloves only, when handling this superglue (gluing die rubber onto die cut boards).





Finally – An Effective Plug Valve Lockout!



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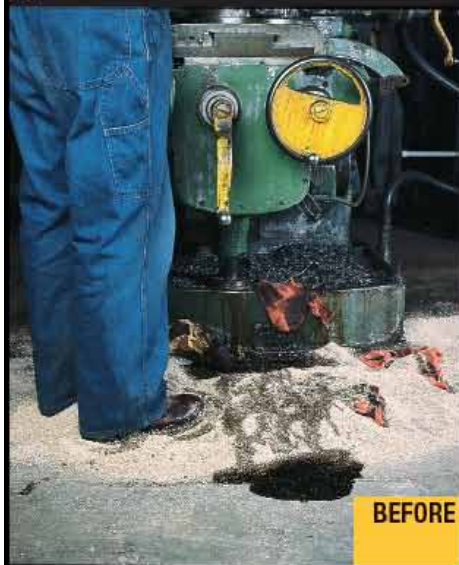
With Brady's new Plug Valve Lockout, you can easily secure manual plug valves to OSHA-compliant standards. Available in four sizes. The Plug Valve Lockout is an effective fit for any popular 1" to 6" diameter plug valves which represents 10% of the valves used in the industry.

To learn more about Brady's complete line of Lockout/Tagout solutions, visit www.bradyid.com/lockout.

**BE SURE TO STOP BY THE BRADY SUITE AT THE UPCOMING
SAFETY & HEALTH CONFERENCE!**

DOES YOUR FACILITY COMPLY WITH OSHA AND EPA REGULATIONS FOR A CLEAN, DRY, SAFE WORKPLACE?

Brady can work with you to audit walkways, production areas, storage areas, outside areas of your plant(s) and more!



BEFORE

Whether you're protecting your employees or your equipment, Brady's SPC absorbents help keep work areas clean and safe from virtually any spill, drip, leak or greasy build up. Depending upon the application and absorbents used, facilities may save anywhere from 5-15% on their annual absorbent purchase and disposal costs.

Complete the form to request an on-site Environmental Survey audit performed at your facility.

A Brady representative will contact you to discuss your absorbent needs and schedule an audit.

www.bradyid.com/ppsapromo



AFTER

Life and breath

Emergency action plan and ‘flawless’ team response bring Jim Bean back

Six days shy of his 68th birthday, Jim Bean slumped to the ground at Weyerhaeuser’s Santiam lumber mill in full cardiac arrest. The maintenance helper on the mill's cleanup crew had no pulse and no breath. The day was Feb. 1. The time was 4:40 a.m.

By the time Emergency Medical Services from nearby Lebanon, Ore., arrived at 4:52 a.m., Bean’s heart was pumping and he was breathing on his own. In 12 minutes, his co-workers had saved his life in an Oscar-winning performance of perfect timing and training.

“Team members carried out their roles flawlessly,” says John Myers, the mill’s safety manager and one of the first associates on the scene after Bean’s co-workers radioed for help. “Each person took on a task to execute the mill’s emergency action plan. Their expertise and quick response saved Jim’s life.”

Myers, an emergency medical technician-basic and trained firefighter, understands the urgency of timing in a “code” situation in which someone’s heart stops beating and time is of the essence.

“If a person goes even five minutes without oxygen, they’ll likely suffer irreversible brain damage and not survive,” Myers says. “Of all the calls I’ve been on, this is the first full recovery I’ve seen.”

He credits several factors for Bean’s outcome — the mill wide safety culture, the commitment of leadership, and the emphasis on training. He also credits the availability of life-saving equipment such as the automated external defibrillator, or AED, a portable electronic device that monitors heart activity and can deliver an electric shock to restore the heart rhythm.

Jason Hines agrees. A millwright apprentice and 15-year volunteer firefighter, Hines was first on the scene after the call for help. He immediately began chest compressions. Myers arrived with his trauma kit and used a bag-valve mask to supply precious oxygen and ventilate Bean’s airways. Co-workers ran up with one of the facility’s three AEDs, and Hines went to work. In all, it took three shocks to get Bean’s heart and pulse stabilized.

According to the emergency room doctors and to the paramedics who transported Bean to the hospital, quick action and use of the AED were crucial in saving his life. That action was a team effort and reflects the commitment to safety by everyone at the mill, Hines says. “Every person took a role — calling 911, getting the AED, directing the ambulance to the right gate, moving lumber and equipment.”

It was no less than Bean himself would do in the same situation, says Myers. “Jim is adamant about safety and a strong advocate of CPR and AED training,” he says. “He often speaks about safety to the crews, and you’ll never find him without his pocket mask. I’m very grateful to have taken care of him.”

Grateful is a word that comes easily to Bean as well as he looks forward to returning to work in March.

“I always carry a safety kit and thought it would be the other guy, not me,” he says. “Now I’m thankful for all my co-workers who instinctively knew what to do to save my life and the leaders at Weyerhaeuser who make sure safety is a number-one value. Otherwise, I wouldn’t be here today.”





PHOTO: Jim and his wife with the Santiam maintenance team. Members who assisted in helping Jim, retrieving gear, calling 911, meeting Medic units, and notifying others were (front, left to right) Mark Johnson, Roger Tidwell, Jack Alberts, Paul Strang, Jason Hines, Hiromi Bean (Jim's wife), Jim Bean, John Myers, Teri Lewis, Kelly Fadden, Justin Surplus, Joe Stout, Jim Estep, (Back Left to Right) Rob Knudtson, Steven Gatliff, Mike Scott, Doug Suter, Ed Hockett and Larry Davies.

EMERGENCY RESPONSE TRAINING & EQUIPMENT SALES



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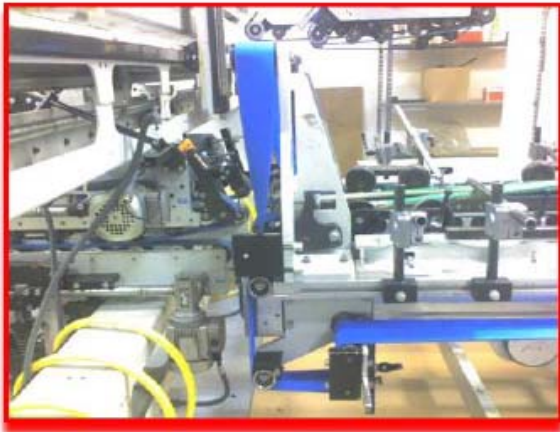
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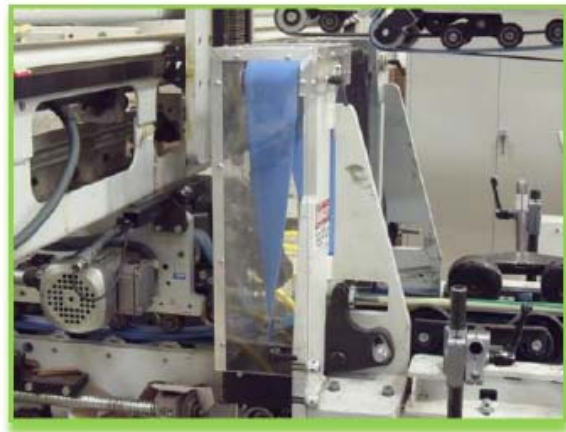
(256) 997-9087 • FAX: (256) 997-9041

www.erstraining.com

Safety Alert – Folder Gluer Injury



BEFORE



AFTER

Incident Description

The employee was making a running adjustment on a folder gluer and had his left hand caught between the belt and steel tension rollers in the folding section of the Bobst SFG. The employee had finished adjusting the belt speed and was standing with the tool in his left hand and the jog controller in his right hand watching the machine run for proper folding. The wrench slipped out of his left hand and he proceeded to grab for it. While he was reaching for the tool, the belt made contact his left hand and caught rubber coating on the glove he was wearing and pulled his hand back under the compression belt and the tension pulley.

Root Causes

The area in question is not a guarded off area (not protected by the interlocked doors). There were some exposed nip points in this area that the manufacturer had not guarded.

Employee was wearing gloves with grip coating, which stuck to the rubber belts of the machine.

Corrective Action

Limiting glove use to material handling of product – not allowing their use on or around moving equipment or belts.

Guarding all exposed nip points – relying on manufacturer guards in not good enough.

The best way to eliminate machine injuries is to eliminate any exposure to moving parts and/or product – including belts and folding rails (an underestimated hazard in our industry). At times this isn't possible, but under most circumstances it is if we take an extra minute or two to get it right. Please take some time to check your folder gluer for guarding in this area and share this hazard with your employees.



AMERICAN

EMERGENCY **R**ESPONSE **T**RAINING



Confined Space Simulators, Arizona



High Angle Rescue, Texas



Structural Fire Brigade, Louisiana



Incident Management, Hoover Dam

American ERT has provided emergency response training for major industrial response teams both nationally and internationally for the past 19 years.

American ERT has representatives on many National Safety committees. This allows AERT to keep their clients up to date with regulations, standards and best practices.



Industrial Firefighting

www.americanert.com

(865) 609-7020
Knoxville, TN St Thomas, USVI



Safety News Flash!

Status: Near Miss

Where: Wallula – Paper
W3 Finishing/Shipping

Date of Occurrence: 02/16/2010
@ 9:30pm

What Happened:

A railcar of mixed width / 40" diameter rolls was loaded in a 50' rail car during day shift and waiting for a switch. At approximately 9:30pm operators on the roll wrap line heard a loud crashing noise and went to investigate. Operators found that 2 stacks containing 3 - 2 roll packs each (totaling 113" tall) had toppled over and tumbled out the car door onto the dock. No one was in the area at the time.

Contributing Factors:

- 1) There was not adequate dunnage on the either side of the stacks to sufficiently lock the rolls in place.
- 2) To compensate for the lack of dunnage, the airbags were over inflated.

Corrective Action:

- 1) Immediately began working with dunnage supplier on scheduling loaders for remedial training. A rep from AAR (Association of American Railroads) will conduct training in conjunction with the supplier. Last training sessions held were in April 2008.
- 2) After initial remedial training sessions, will schedule on going training every 6 months.
- 3) Working with dunnage supplier and other Boise locations to improve air gauge accuracy.



SAFETY ALERT



AREA OF INCIDENT: Competitor White Liquor Tank Explosion

Findings and Causes:

- Hydrogen Sulfide gas formed in white liquor tank's vapor space, ignited and exploded during cleaning process lifting the tank from its pad.
- Formic Acid cleaning solution leaked by an isolation valve (closed and locked) on a synthetic white liquor line to the tank top. Valve gate closed against scale build-up on initial lock-out. Scale contact with formic acid dissolved the scale allowing leak-by estimated at 30 to 60 gpm.
- H₂S levels in the vapor space reached the LEL within 2 hours of acid leak-by into the White Liquor Storage Tank.
- Potential ignition source was static charge from 32.5 ft free-fall of formic acid cleaning solution into tank

Recommendations:

- ⇒ Provide positive and verifiable seal isolations any time acid is introduced into an alkaline process for cleaning.
- ⇒ Evaluate white liquor piping entry point at a level to minimize the potential for free-fall of chemicals producing a static spark.

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U.S. CHEMICAL SAFETY BOARD

An independent federal agency investigating chemical accidents to protect workers, the public, and the environment.[Home : News Room](#)[Print Page](#)[Email Page](#)

Following Deadly Explosion at PCA Corrugated Mill in Wisconsin, CSB Issues Safety Bulletin on Hazards of Welding and Other Hot Work

March 04, 2010

Investigation Details:
[Packaging Corporation Storage Tank Explosion](#)

Following Deadly Explosion at PCA Corrugated Mill in Wisconsin, CSB Issues Safety Bulletin on Hazards of Welding and Other Hot Work

Proper Combustible Gas Monitoring Among Seven Key Safety Lessons from a CSB Investigation of Multiple Hot Work Disasters



Wausau, Wisconsin, March 4, 2010 – The U.S. Chemical Safety Board (CSB) today issued a [safety bulletin](#) warning of the hazards of conducting hot work in a variety of industries and identifying seven key lessons aimed at preventing worker deaths during hot work in and around storage tanks containing flammable materials.

Hot work is defined as any work activity that involves burning, welding, cutting, brazing, grinding, soldering, or similar spark-producing operations that can ignite a flammable atmosphere

The CSB began investigating hot work hazards following an explosion that occurred on July 29, 2008, at the Packaging Corporation of America (PCA) corrugated cardboard mill in Tomahawk, Wisconsin, which killed three maintenance workers and injured another. The CSB determined the explosion resulted from welding above an 80-foot-tall storage tank that contained highly flammable hydrogen gas – the product of bacterial decomposition of organic fiber waste inside the tank.

At the time of the accident, PCA did not recognize waste fiber tanks as potentially hazardous or require combustible gas monitoring prior to welding nearby. PCA, which fully cooperated with the CSB investigation, subsequently developed new company standards requiring gas monitoring before any hot work.

"Hot work around flammable gas or vapor is one of the most common causes of worker deaths that we see at the Chemical Safety Board," said CSB Board Member William B. Wark. "Tragically, most of these accidents are readily preventable with better hazard assessments, proper gas monitoring, and other straightforward safety measures."

In the ten months following the explosion at Packaging Corporation, the CSB deployed investigators to five other sites where hot work ignited flammable gas or vapor, including an explosion at MAR Oil in La Rue, Ohio, that killed two contractors in October 2008; an explosion that killed one and injured another at EMC Used Oil in Miami, Florida, in December 2008; an

explosion that killed a contract welder at ConAgra Foods in Boardman, Oregon, in February 2009; an explosion at A.V. Thomas Produce in Atwater, California, in March 2009 that severely burned two employees; and the explosion of a massive gasoline storage tank that killed three workers at a TEPPCO Partners fuel distribution facility in Gamer, Arkansas, in May 2009.

The CSB also collected information from the Honolulu Fire Department about a fatal hot work explosion at a waste oil company in October 2008 and noted findings from previous major hot work explosions in Pennsylvania, Delaware, Florida, and Mississippi that were investigated by the CSB or the U.S. Environmental Protection Agency.

"Companies need to develop comprehensive systems for controlling the hazards of hot work where flammable vapor could be present," said CSB Investigations Supervisor Don Holmstrom, who led the investigations. "Regulators, companies, and workers should recognize that combustible gas monitoring will save lives. A common feature of virtually all these accidents is the failure to recognize all the locations where a flammable atmosphere could be present. The absence of flammables needs to be verified before and during any hot work."

Combustible gas monitors are relatively inexpensive, handheld electronic instruments that measure the amount of flammable material in the atmosphere, expressed as a percentage of the lower explosive limit. Proper training and calibration are essential for using gas monitors effectively.

The safety bulletin, entitled "Seven Key Lessons to Prevent Worker Deaths During Hot Work In and Around Tanks," notes that the CSB has identified over 60 fatalities since 1990 due to explosions and fires from hot work activities on tanks. Mr. Holmstrom said those accidents have continued to occur since May 2009, the date of the last explosion covered in the bulletin.

Industries where hot work explosions have occurred include food processing, pulp and paper manufacturing, oil production and recycling, waste treatment, fuel storage and distribution.

"OSHA (the Occupational Safety and Health Administration) does not require combustible gas monitoring for hot work on or near flammable storage tanks," said Mr. Holmstrom. "As our investigation continues, our team will be looking into this issue and we will comment on it in our final report."

The CSB has previously produced two computer-animated safety videos on hot work accidents investigated by the CSB: "Death in the Oilfield," about an explosion in Mississippi that killed three workers in 2006, and "Public Worker Safety," concerning an explosion at a wastewater treatment plant in Daytona Beach, Florida, that killed two workers, also in 2006. These may be viewed at www.CSB.gov (Video Room) or on YouTube. The CSB distributes a two-DVD set of all CSB safety videos free of charge to anyone who orders them from the website.

A comprehensive safety video on the dangers of hot work – based on the new safety bulletin – is in production and is expected to be released within approximately a month, said CSB Director of Public Affairs Dr. Daniel Horowitz.

The CSB investigation of the explosion at Packaging Corporation of America remains ongoing; a final report with formal safety recommendations is expected later this year.

The CSB is an independent federal agency charged with investigating serious chemical accidents. The agency's board members are appointed by the president and confirmed by the Senate. CSB investigations look into all aspects of chemical accidents, including physical causes such as equipment failure as well as inadequacies in regulations, industry standards, and safety management systems.

The Board does not issue citations or fines but does make safety recommendations to plants, industry organizations, labor groups, and regulatory agencies such as OSHA and EPA. Visit our website, www.csb.gov.

For more information, contact Director of Public Affairs Dr. Daniel Horowitz 202-441-6074 cell or Public Affairs Specialist Hillary Cohen at 202-446-8094 cell.

Safety Alert
Park on Level Floor, Ensure Parking Brake
Adjusted to Fully Engage



INCIDENT: Clamp truck on the dock ramp. The parking brake on, but not fully engaged. The employee proceeded to open bay door to drive outside to fill the clamp truck up. When employee started to open door, clamp truck rolled down ramp, pinning the employee up against the door. The employee suffered a broken toe & contusions to the left foot & ankle. Property damage is estimated at \$8,000 and medical bills are yet to be determined. The injury & damage could have much worse!

LESSONS: Park clamp trucks on a flat surface when possible. Activate brake, ensure it fully engages, otherwise adjust/tighten parking brake by turning handle until firmly engages. This is a pre-use inspection item on each shift; once brake is engaged, test by slightly pressing accelerator to see if brake holds firmly.



Adjust parking brake
by turning top of lever
until level pulls back
with firm resistance.

Safety Alert

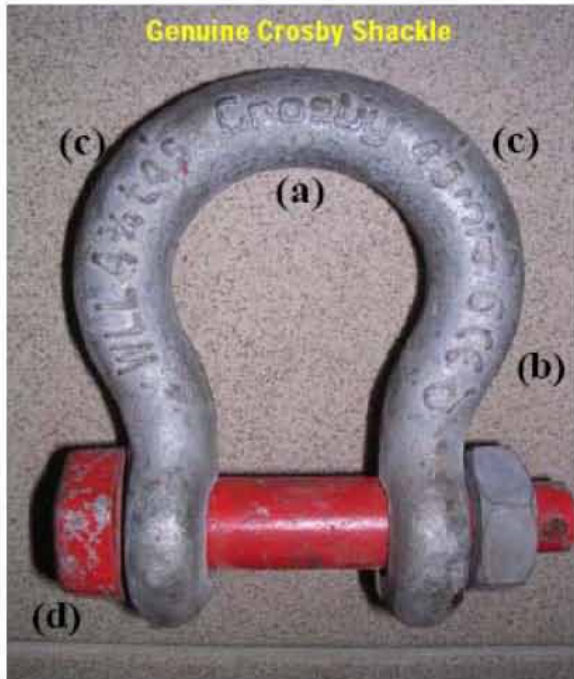
for immediate direct communication

Occurrence No.
037

Type of incident	Counterfeit “Crosby” Shackles	Category	Near Hit unsafe act/condition
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Craft / Task	Lifting Equipment
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Project	External Alert (FOR ALL PROJECTS)
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Counterfeit Crosby Shackles have been found at a number of locations in Europe. These shackles are **NOT** up to required standards and it is mandatory that they be immediately removed from service. The counterfeit shackles can fail at as low as just 40% of their stated rating, causing a potentially catastrophic outcome. The most obvious difference is that the counterfeit shackle has the word “CROSBY” all in capital (Upper Case) lettering. The genuine shackle only has the “C” of “Crosby” capitalized.

The points to look for in deciding whether you have a Crosby Shackle or a copy are:

- On the face, (a) the Crosby Name should be embossed as per the Crosby Logo, (b) The CE mark should appear along with (c) markings of the 45 degree angles
- On the rear of the shackle should appear 2 different groupings of IDs (3 for Belgium manufacture) providing full traceability of the shackle.
- The pin should also be stamped (d) on the head with a traceable ID number.

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Office Ergonomic Basics


ERGONOMICS Microbreaks

Microbreaks are an important component of workplace health. Muscles become stressed if asked to perform repetitive tasks or hold static positions for too long during the work day. Microbreaks allow a change of position, different muscle use, stimulate blood flow and can help reduce the risk of injury or discomfort. Microbreaks can last a few minutes or just a few seconds, but your body will thank you for them!

Try some of the following microbreaks to reduce stress to your joints and muscles during the work day.


At the Computer

- Regular 'palms down' typing and mousing posture is a non-neutral position. It can result in fatigue over long periods.
- Neutral posture for the wrist and forearm is 'palms sideways' resting on the 5th finger side of your hand as shown at right.
- Unwind into this recovery posture whenever you're composing your thoughts, reading, or anytime you're not mousing or typing.



Back Basics

- Try the 'why me' stretch to counteract forward hunching over the computer.
- Stretching backwards for a few seconds every 10 or 15 minutes will give your back a break.
- Close your eyes for an extra relaxation boost!



Alternating Tasks

- To further reduce repetitive muscle work during the day, alternate your work tasks so that you do at least 5 minutes of work using different muscles each hour.
- If you're busy on the computer, stop every hour and do 5 minutes of filing or check voice mails so your 'computer muscles' get a break.
- If all your work is computer-based then alternate applications so you do an hour of spreadsheet work alternated with 5 minutes of replying to email, etc.

Natural Microbreaks

- Natural microbreaks happen in the day without you planning them, but you can encourage them as well...
- Try printing to a printer outside your office so you have to get up or take a short walk to get documents.
- Drink water during the day, it's healthy and you'll need to get up from your desk to refill and take bathroom breaks.
- Try walking to a co-worker's desk to get information rather than calling or emailing.
- Leave your office and take a short walk at lunch time.

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Information brought to you by David Coates
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Disclaimer: Materials for this publication were developed to support the sharing of information on the identification and control of hazards in the paper, converting and recycling industry. The materials are not comprehensive, are not intended to provide specific advice on particular equipment or processes and are not intended to be a substitute for a comprehensive approach based on sound design, installation, maintenance, operating, and training practices. These materials should not be relied upon to achieve compliance with any laws or other requirements. PPSA and its members and other contributors to these materials do not assume any responsibility for the user's compliance with applicable laws or other requirements, nor for any persons relying on the information contained in these materials.

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Membership in the Association is by operating facility, such as a paper mill, sawmill, woodlands, etc. Approximately 380 operating facilities are currently members. Annual Membership is based on employee numbers. 1-50 employees is \$100, 51-100 employees is \$150, 101-200 employees is \$200, 201-500 is \$250 and 501 and up is \$300. Please remember that each location must have its own membership. We do not have any corporate members. Vendors are \$275

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- Participation in the Annual Health and Safety Conference and service as a member of the Board of Directors provides an opportunity for personal and professional growth.
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