Hand Safety – Back to Basics

A Presentation for the WSH Council Forum

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Presented by: Ashim Ahmad
Consultant
DuPont Sustainable Solutions

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Safety Contact

Keep it Simple

Excessive Controls?

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Our Purpose

The miracles of science™

DuPont is a science company. We work collaboratively to find sustainable, innovative, market-driven solutions to solve some of the world’s biggest and ever-increasing challenges, making lives better, safer, and healthier for people everywhere.
How does DuPont compare with others?

Injuries & Illnesses – Cases With Days Away from Work Rate per 100 Employees*

- DuPont: 0.070
- Oil & Gas: 0.4
- Petroleum: 0.4
- Chemical Manuf’g: 0.7
- Paper: 1.0
- Retail Trade: 1.2
- Health/Social: 1.4
- Food Manufacturing: 1.5
- Construction: 1.6
- Crop Production: 1.7
- Primary Metal: 1.8
- Wood Product Mfg: 1.9
- Coal Mining: 2.2
- Urban Transit: 3.4
- Scheduled Air: 4.6

All Industry Average (1.2)

** DuPont 2012 YTD Data

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Our Core Values Are More Than Just Goals.

They reflect the way we work and how we operate every day – with our customers, with our partners from around the world, and in the communities in which we operate.

DUPONT CORE VALUES

SAFETY & HEALTH
ENVIRONMENTAL STEWARDSHIP
RESPECT FOR PEOPLE
HIGHEST ETHICAL BEHAVIOR

Committed to Zero
Values VS. Principles

**Core values** are the cornerstone of who you are and what you stand for.

- Safety and Health
- Environmental stewardship
- Highest ethical behavior
- Respect and value for people

**Principles** are the ways you live your values day by day.

- Line managers are accountable for the safety performance of their employees.
- Working safely is a condition of employment.
- Employees must receive appropriate training.
DuPont Safety Principles

- All injuries and occupational illnesses can be prevented.
- Employee involvement is essential.
- Management is responsible for preventing injuries.
- All operating exposures can be safeguarded.
- Training employees to work safely is essential.
- Working safely is a condition of employment.
- Management safety observations are a must.
- All deficiencies must be corrected promptly.
- We will promote off-the-job safety for our employees.

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GOOD SAFETY = GOOD BUSINESS

Sustainable business performance - 403 Quarter continuously declared dividends

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DuPont Bradley Curve – Creating an open and collaborative culture

- Management Commitment
- Condition of Employment
- Fear/Discipline
- Rules/Procedures
- Supervisor Control, Emphasis, and Goals
- Value All People
- Training
- Internalization
- Personal Value
- Care for Self
- Practice, Habits
- Individual Recognition
- Help Others Conform
- Others' Keeper
- Networking Contributor
- Care for Others
- Organizational Pride

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SO WHAT’S THIS ISSUE ABOUT OUR HANDS?
TYPICALLY...

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& TYPICALLY…

1. Permit to work
2. Lock-out, Tag-out
3. Procedures
4. PPE
5. Audits
Replaceable parts?...
Reality…

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When a hand injury happens…

A hand injury, or worse, incident has ripple effects. It affects

• Injured person
• Co-workers & supervisors
• Company
• Community at large
• His/her family & loved ones

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The Iceberg Effect

THE TIP OF THE ICEBERG
Direct Costs of Injuries:
- Medical costs
- Wage indemnity
- Claims administration fees

THE BULK OF THE ICEBERG
Additional Costs of Injuries:
- Damaged equipment, vehicles & goods
- General Liability Costs
- Litigation
- Lost productivity and quality
- Production Interruptions, Yield Losses
- Replacement Labor / Overtime
- Damage to Customer Relations & Public Image

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10 Rules to Preserve Your 10 Fingers

1. **Beware of pinch points.** Train yourself to recognize pinch points and avoid placing your hands and fingers in such hazardous spots.

2. **Expect the unexpected.** When using wrenches, cheater bars, and other hand tools with which you expect resistance, anticipate that the tool might slip or the object to which pressure is being applied may suddenly give way. Failure to anticipate such a move could result in painful and serious injuries to hands and fingers.

3. **Inspect tools.** Check to see if they are in good condition and safe to use. A wrench with worn or spread jaws, a mushroom-headed chisel, a worn screwdriver or a hammer with a cracked handle are examples of defective tools, which are frequently the cause of injuries to hands and fingers.

4. **Do not work on moving equipment unnecessarily.** If the equipment can be stopped, do so. Working on moving equipment presents a real threat to hands and fingers.

5. **Replace machine guards following repairs that require removal of guards.** The presence of machine guards is an important factor in keeping hands and fingers out of dangerous areas.
6. Be mindful of equipment that **starts automatically**. Never work on such equipment without first de-energizing it and eliminating the possibility of automatic start-up. Unplug portable tools or fixed equipment before working on it.

7. Be mindful when **closing doors and other hinged devices**. Keep hands and fingers clear. It’s a safe bet that each of us have caught a finger in a door at one time or another. Attention to hand placement can prevent this type of injury.

8. Avoid touching lines, equipment, or **surfaces that may be hot**. Every hot line or piece of equipment that is accessible and uncovered should be restricted, labeled, or otherwise isolated to minimize the possibility of inadvertent contact.

9. Use **gloves to protect your hands** during all work activities which involve handling of materials or tools. They are your last line of defense from sharp edges, splinters, burns, chemical contacts, and a host of other injury sources.

10. **Use a tool** for the job instead of your hand. Whenever possible, a tool should be used to complete the task rather than your hand.
Simple concepts to raise safety awareness and avoid injury:

• Rushing
• Frustrated (angry)
• Fatigue (tired)
• Complacent
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I ♥ MY HANDS
Thank You

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