

Purpose

- Understanding the different types of machine guarding & devices
- National emphasis

Tuesday, February 14, 2017



Objectives

- Machine guarding principles
- Types of machine guarding
- Self audits
- Training

Tuesday, February 14, 2017

INDIANA DEPARTMENT OF LABOR



Responses...

- "We have been doing it this way for 20 years and nobody got hurt."
- "The machine came that way."
- "Nobody is going to stick their hands in there."
- "Nobody goes behind the machine."
- "The guard is in the way."
- "The OSHA inspector never said anything."

Tuesday, February 14, 2017







Subpart O of the OSHA Standard

- 29 CFR 1910.212-219
- 29 CFR 1910.243

Tuesday, February 14, 2017

INDIANA DEPARTMENT OF LABOR



What is a Machine Guard?

- Machine guards are the primary line of defense between workers and their machines
- Any machine part, function, or process that may cause injury must be safeguarded
- Guard must be secure, protect from falling objects and create no new hazards

Tuesday, February 14, 201



Machine Hazards Occurrence

- Point of operation work performed
 - Cutting, shaping, boring, forming
- Mechanical power transmission
 - ➤ Flywheels, pulleys, belts, sprockets, connecting rods, cams, spindles, gears
- Other moving parts
 - > Rotating, reciprocating, feeds

Tuesday, February 14, 2017

INDIANA DEPARTMENT OF LABOR



Non-mechanical Hazards

- Electrical proper grounding & wiring
- Noise
 - ➤ Startle, disrupt concentration, interfere with communication
- Cutting fluids, coolants

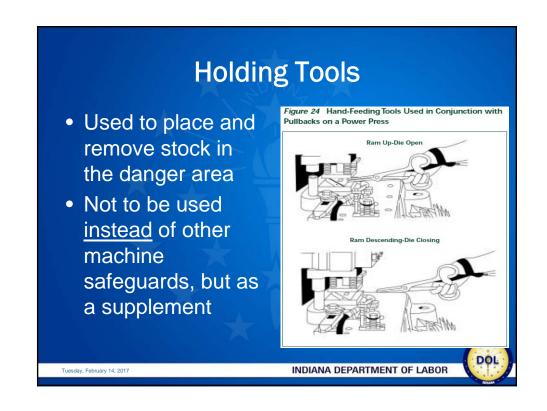
Tuesday, February 14, 2017

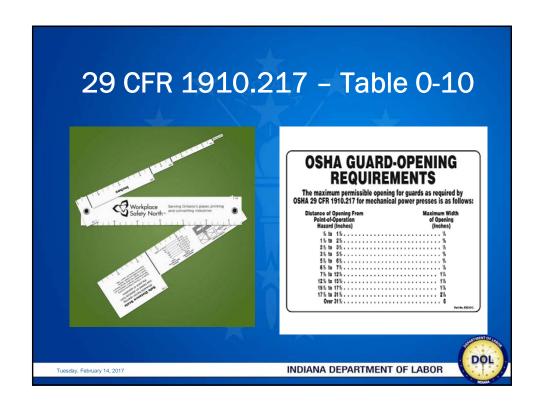














Self-Audit

- Document recognized hazards
- Hazards have been corrected
- Accompany all outside visitors
- Encourage employee participation

Tuesday, February 14, 2017





















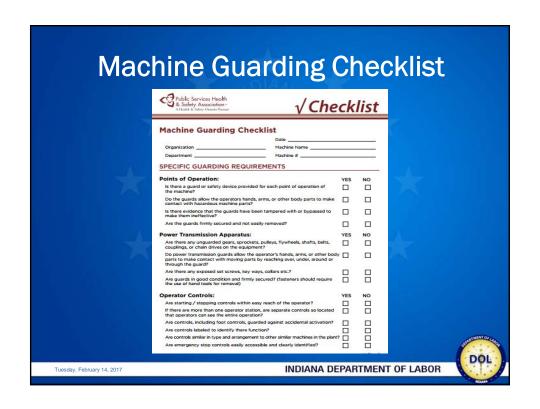












Training

- Hazards associated with the machine and/or equipment
- How the safe guards provide protection
- How to use the safe guards
- How and when safe guards can be removed
- Who is allowed to remove safe guards
- Who to contact if safe guards are damaged or missing

Tuesday, February 14, 2017

INDIANA DEPARTMENT OF LABOR



Review

- Machine guarding principles
- Types of machine guarding
- Inspections
- Training

Tuesday, February 14, 2017





Mark McDaniel mmcdaniel@dol.in.gov 317-232-2688

Debbie Rauen drauen@dol.in.gov 317-232-2688

Tuesday, February 14, 2017

INDIANA DEPARTMENT OF LABOR

DOL