

# MIOSHA Update

April 16, 2014

Presented by Bart Pickelman, CIH  
MIOSHA Deputy Director



[www.michigan.gov/miosha](http://www.michigan.gov/miosha)

517.322.1817

## MIOSHA'S Mission

Help protect the  
safety, health,  
earned wages and  
fringe benefits of  
Michigan workers.

## Occupational Safety & Health Administration

Martha Yoder  
Director



Bart Pickelman  
Deputy Director



Adrian Rocskay  
General Industry S&H



Patty Meyer  
Construction S&H



Ron Ray  
Technical Services



Nella Davis-Ray  
CET



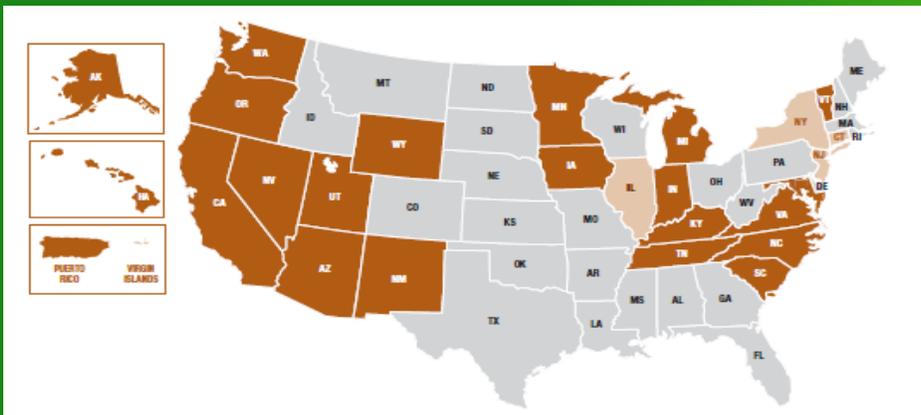
Dawn Jack  
Appeals



## Radiation Safety

- Registration of 10,000 X-ray facilities; 30,000 machines
- Inspections of mammography machines in 300 facilities
- Investigate radiation incidents of excessive radiation doses to workers and patients

## Federal and State OSHA Programs



27 States/Territories operate a state-run program (Dark shading indicates state-operated). Medium shading (NY, NJ, CT, VI, and IL indicates state-run for public sector only)

## Update: Office of Regulatory Reinvention



- ❖ Reviewing rules that go above Federal OSHA
- ❖ Criteria - Find rules that are obsolete, unnecessary, and over burdensome
- ❖ Goal – Not eliminate any rules that would jeopardize employee health and safety.

# Status of ORR Changes

The screenshot shows the MIOSHA website with the following content:

- Navigation:** Michigan.gov Home, LARA Home, Sitemap, Contact LARA, Online Services, Press Releases, Search.
- Left Sidebar:** Employment, Security & Workplace Safety; Bureau of Services for Blind Persons; MERC/Bureau of Employment Relations; MIOSHA; A to Z Topic Index; Alliances & Partnerships; Compliance; Consultation, Education & Training; Frequently Asked Questions; Inside MIOSHA; Laboratory & Equipment Services; Policies & Procedures; Publications, Posters, Forms & Media; Recordkeeping & Statistics; Standards & Legislation; Strategic Plan & Initiatives; Wage Hour Division; \*Unemployment Insurance Agency.
- Main Content:**
  - Welcome to MIOSHA:** The Michigan Occupational Safety and Health Administration strives to work collaboratively with employers and employees to better prevent workplace injuries, illnesses and fatalities and to protect earned wages and fringe benefits. MIOSHA health and safety activities include: setting and enforcing occupational safety and health standards, providing extensive safety and health training and education, and working with partners to develop innovative programs to prevent workplace hazards.
  - Spotlight:**
    - MTI Scholarship Application:** Due to concentrated efforts towards cost savings the MIOSHA Agency is pleased to announce reinstatement of the scholarship program to students attending MIOSHA Training Institute courses. The program will be reinstated effective January 14, 2013. The MTI Scholarships will cover half the registration costs for any MTI course. All scholarship requests must be made online from the application link above. If there are any questions, please contact the MIOSHA CET Division at (517) 322-1809.
    - Elimination of MIOSHA's Commissions**
    - NEW - Standards Revisions Update Table**
    - ORR Revision Summary**
    - Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Update:** View our Free [Training Calendar](#) for registration information.
    - MIOSHA Residential Fall Protection Webcast:** MIOSHA is very pleased to announce the release of our 1st webcast. In 2011 MIOSHA, partnering with the Michigan Association of Home Builders (MAHB), launched the "Residential Fall Protection Initiative" across the state to help
- Right Sidebar (Quick Links):**
  - How to File a Complaint with MIOSHA
  - MIOSHA FAQ's
  - Directions to MIOSHA
  - Online Employment Wage Complaint Form
  - MIOSHA Workplace Posters
  - MIFACE
  - Contact MIOSHA
  - Safety & Health DVD/Video Library Service
  - Michigan Voluntary Protection Program
  - Federal OSHA
  - Michigan OSHA Inspection Data
  - NIOSH

## Other Standard Activity

Hazard Communication Standard revision adopted Globally Harmonized System

❖ OSHA Standard Effective May 25, 2012

❖ MIOSHA Standards Effective December 21, 2012

❖ Training Deadline:

**December 1, 2013**



## **Standards Update Recently Revised**

- ❖ GI Part 76 Spray Finishing Using Flammable and Combustible Materials
- ❖ CS Part 91 Process Safety Management of Highly Hazardous Chemicals
- ❖ CS Part 6 Personal Protective Equipment

## **Standards Update In Process**

- ❖ OH Part 306 Formaldehyde
- ❖ CS Part 26 Steel Erection
- ❖ CS Part 10 Lifting and Digging Equipment
- ❖ CS Part 14 Tunnels, Shafts, Caissons and Cofferdams
- ❖ OH Part 472 Medical Services and First Aid
- ❖ GI 77 Grain Handling Facilities

## FY 2009-13 Strategic Plan

**Goal 1:** Reduce exposures, injuries, illnesses, fatalities.

**Goal 2:** Promote benefits of positive safety culture.

**Goal 3:** Strengthen public confidence in MIOSHA.

### Results: Industries Achieving >20% Reduction

- Plastics & Rubber (326), **24.1%**
- Fabricated Metal Products (332), **28.1%**
- Nonmetallic Mineral Products (327), **48%**
- Construction fatalities, **35%**
- Manufacturing fatalities, **37.5%**



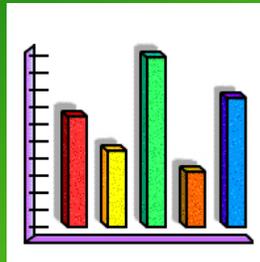
## Results: Industries Achieving Reductions <20%

- Wood Products (321), **7.5%**
- Construction (DART), **10%**
- Machinery Manufacturing (333), **14.3%**
- Transportation Equip. Manufacturing (336), **14.6%**
- Hospitals (622), **16.7%**
- Manufacturing TCR, **18.3%**



## Results: Industries with Increases

- Beverage & Tobacco (321), **43.5%**
- Primary Metal (331), **20.2%**
- Merchant Wholesalers, Nondurable Goods (424), **8.9%**
- Nursing & Residential Care (623), **6.7%**





## MIOSHA Strategic Plan

- Cover Fiscal Years 2014 – 2018
- Stakeholder Focus Groups
- Draft Plan
- Stakeholder Meeting for Feedback
- Submitted to federal OSHA
- Posted on web page



## MIOSHA Strategic Plan

- ❖ New Industries:
  - Support Activities for Transportation (488)
  - Warehousing & Storage (493)
  - Accommodations (721)

## MIOSHA Strategic Plan

### ❖ Returning:

- Beverage & Tobacco (312)
- Fabricated Metal products (332)
- Primary Metal Mfg. (331)
- Machinery Mfg. (333)
- Transportation Equipment Mfg. (336)
- Hospitals (622)
- Nursing & Residential Care Facilities (623)
- Construction (23)

## MIOSHA Strategic Plan

### ❖ New Outreach Initiatives

- Temporary Service Agencies
- Public Employers and Employees
- Air Contaminants
- Agriculture
- Tree Trimming/Tree Felling

### ❖ Publish Awareness Articles/ Education Materials

- Top violations
- Focused toward targeted industries
- Targeted safety and health checklists





# MIOSHA Strategic Plan Construction

- ❖ Increase presence during nontraditional hours
- ❖ Focus on work activities with greatest fatality incidence:
  - Roadwork/traffic control/bridge work
  - Multi-story/tall structures, towers, residential structures, roofing
  - Overhead power lines
  - Scaffolding
  - Heat/cold issues
  - Excavations
  - Confined space



# Tool Box Series for MIOSHA



## ROUGH TERRAIN FORK TRUCK SCAFFOLDS

Presented By:  
 Consultation Education & Training (CET) Division  
 Michigan Occupational Safety & Health Administration  
 Michigan Department of Licensing and Regulatory Affairs  
[www.michigan.gov/miosha](http://www.michigan.gov/miosha)  
 (517) 322-1809





## MIOSHA Strategic Plan

### ❖ Promotional Events/Awareness Campaigns

- Take a Stand Day  
August 13, 2014
- Forums
- Mass Mailings
- Presentations
- Coffee with MIOSHA



## MIOSHA Strategic Plan

### ❖ Safety & Health Management Systems (SHMS)

- Promoted on 100% MIOSHA visits
- Goal - 60% employers w/ subsequent MIOSHA visit will have a fully implemented SHMS
- Create SHMS resources sheet for MIOSHA website
- Enforcement sends referrals to CET to assist employer



## Consistent, Credible Workplace Safety & Health Training



- ❖ Level 1 in General Industry and Construction
- ❖ Level 2 in Standards & Safety and Health Management
- ❖ Scholarships



## MTI Statistics



- ❖ 15,547 Overall Attendees
- ❖ 677 Level 1 Graduates
  - 561 General Industry
  - 116 Construction Industry
- ❖ 100 Level 2 Graduates
  - 94 General Industry
  - 6 Construction
- ❖ 16 Occupational Health

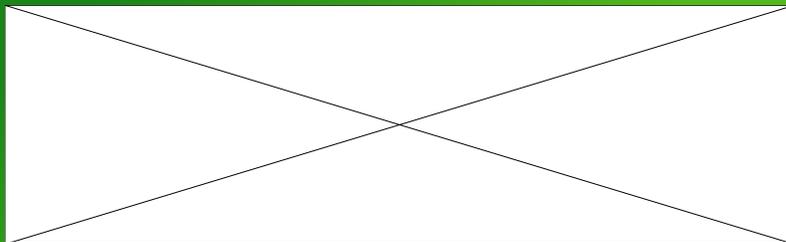
\$35,851 awarded for 521 MTI scholarships in FY2013  
(\$178,539 since FY2011)



## MIOSHA Strategic Plan

### Increase Participation in Cooperative Programs

- Michigan Safety and Health Achievement Recognition Program (MSHARP)
- Partnerships and Alliances
- Michigan Voluntary Protection Plan (MVPP)



## General Industry Reinspection Program

- ❖ Targets worksites with inspections that result in a high number of serious violations.
- ❖ Criteria:
  - 1-249 Employees                      5 or more Serious
  - 250-499 Employees                    7 or more Serious
  - 500+ Employees                        10 or more Serious
- ❖ Reinspection assignment 1-3 years after initial assignment and is now final order/closed.
- ❖ Awarded certificates if below criteria!

## Severe Violator Enforcement Program (SVEP)

### ❖ Fatality/Catastrophe

- One Willful or Repeat or FTA violations related to incident

### ❖ High-Emphasis Hazards

- Two W, R, or FTA violations in high-emphasis hazards

- ~ Falls
- ~ Combustible Dust
- ~ Crystalline Silica
- ~ Excavation/Trenching
- ~ Lead
- ~ Amputations

### ❖ Highly Hazardous Chemicals (PSM)

- Three W, R, or FTA violations for exposure to highly hazardous chemicals

## Significant Case Summary General Industry

### ❖ Automobile Parts Supplier

- Fatality investigation
- Employee inside robot work cell w/ gate closed, struck from behind by robot, had lock for lockout attached to belt loop
- 6 serious, 7 repeat serious, 15 OTS, 3 repeat OTS
- Initial Penalties: \$177,700

### ❖ Packaging Company

- Re-inspection
- 8 serious, 6 repeat serious
- Initial Penalties: \$117,800



## Significant Case Summary (cont.)

### ❖ Manufacturing Facility

- In response to an injury
- 2 willful-serious, 2 serious, 1 OTS
- \$151,000 in penalties issued on 6-7-13

### ❖ Steel Maker

- Planned inspection
- 14 serious, 20 repeat-serious, 11 OTS, 19 repeat OTS
- \$431,000 in penalties issued on 11-1-13



### ❖ Automobile Parts Supplier

- SVEP inspection
- 4 serious, 4 repeat serious, 2 OTS, 1 repeat OTS
- \$128,900 in penalties issued on 11-5-13

## Significant Case Summary (cont.)

### ❖ Tool & Die

- SVEP Follow-up
- 11 FTAs, 4 serious, 1 OTS
- \$103,300 in penalties issued on 11-6-13



### ❖ Stamping Plant

- Employee injury when conveyor that was being serviced started up
- 5 repeat-serious, 10 serious, 7 OTS
- \$113,250 in penalties issued on 1-22-14

## Significant Case Summary Construction

- ❖ Wastewater Treatment Plant
  - Fatality – Explosion resulted from welding activity
  - Combined total issued to five employers
  - \$126,600 in penalties issued on 9/27/13
- ❖ Commercial Storage Building – Roofing Project
  - Fatality - While removing plywood from a section of the roof, employee fell 22 feet through deteriorated deck to the concrete floor
  - Two cases – Fatality and Companion
  - \$144,000 total initial penalties

### Eleven Deaths In 80 days

So far in 2013, Michigan has experienced one employee death approximately every 7 days. As of March 22, MIOSHA is investigating the deaths of 11 employees. If this rate were to continue, Michigan would end the year with over 50 MIOSHA-related deaths. This would be the greatest number of worker deaths since 2006. Last year there were 26 MIOSHA-related deaths. 2009 saw the lowest number with 24. Worker deaths in 2013 include four falls, two crushed, three struck-by, one cave-in, and one run-over incidents.

We urge every employer and employee to be proactive by taking the action necessary to ensure your workplace is safe. If you need help or assistance in ensuring your workplace is safe, MIOSHA is here with resources to help. The Consultation Education & Training (CET) Division provides workplace safety and health training and consultations to employers and employees throughout Michigan free of charge. Contact CET today at (800) 866-4674 or submit a request online at [www.michigan.gov/cetrca](http://www.michigan.gov/cetrca).

**Every life is precious. Our mutual goal must be that every employee goes home at the end of their shift every day!**

2014 SUMMARY OF WORKER FATALITIES						
#	Date	Occupation	Age	Type of Injury	Description	City
1.	01/24/14	Operation Employee	30	Suffocation	An employee was working at a grain storage terminal loading a railroad car from atop when he fell through the hatch and into soybeans being loaded. The employee died of possible suffocation in the soybeans.	White Pigeon
2.	01/24/14	Repair Technician	51	Fall	An employee was using a ladder to access the top of a building for purposes of repairing a condensing unit when he apparently fell from the ladder.	Grand Rapids
3.	01/29/14	Truck Driver	23	Crush	An employee entered company yard at 1:36 am to pick up a trailer. He was found at 4:45 am pinned between two trailers. It appeared that the employee was rolling up the dollies on the trailer and the truck rolled back crushing the employee between the trailer he was picking up and a trailer setting next to the one he was picking up.	Detroit
4.	02/12/14	Roofer	26	Fall	A company was re-roofing a home and the employee fell approximately 30 feet to the ground. He was taken to the hospital and later passed away from his injuries.	Farmington Hills

2014 SUMMARY OF WORKER FATALITIES (continued)						
#	Date	Occupation	Age	Type of Injury	Description	City
5.	02/11/14	Direct Care Worker	71	Blunt Traumatic Head Injury	A 71 year old direct care worker in a group home was slapped in the face by a resident and she fell back onto a bed. On February 9, 2014 she was found unconscious and was taken to the hospital. On February 11, 2014 she passed away. The death certificate lists the cause of death as blunt traumatic head injury.	Macomb
6.	03/04/14	Rider & Floor Tech	43	Crush	A rider and floor tech was in the back of a box truck providing guidance to the driver who was backing up to a semi-trailer they were going to transfer materials to. When the driver stopped and walked to the back of the box truck he observed the deceased pinned between the box truck and the semi-trailer.	Flint
7.	03/05/14	Material Handler	23	Caught Between / Struck By	The material handler went to the rear of the machine to adjust a cardboard catch tray as instructed by operator/supervisor who was located at the front of the plastic injection mold machine. The material handler opened the rear door which had the interlock defeated with a shop towel. The material handler leaned in to access the catch tray. The operator/supervisor at the front of the machine closed the operator door which cycled the machine. The material handler was caught between and crushed by the closing of the mold.	Shelby Township
8.	03/06/14	Farm Hand	42	Mauled	The farm hand was moving approximately 60 cows from a pen where they eat and drink during the day to a barn for milking. A bull that was allowed to routinely mix with the cows, attacked and mauled the farm hand, resulting in their death.	Hastings

2014 SUMMARY OF WORKER FATALITIES (continued)						
#	Date	Occupation	Age	Type of Injury	Description	City
9.	03/17/14	Tire Repair Technician	37	Crush	The tire repair technician responded to an after-hours repair of a semi-truck tire and was crushed when the technician released a bottle jack that was holding up the cab.	Grand Rapids
10.	04/04/14	Crane Operator	36	Struck By	A crane was lifting a section of duct. The crane began to tip forward and its counterweights dislodged and struck the 36 year old operator.	Ecorse

## Struck By - Residential



2/20/13:

A carpenter was working in the garage area framing up a wall with a pneumatic nail gun that was equipped with a sequential trigger.

The nail gun appeared to misfire causing the employee to lose his balance. The tip of the nail gun struck his face and discharged a nail due to the fact that his finger was still depressing the trigger. The nail passed through the employee's eye socket and into his brain.

## Struck By – Residential (continued) MIOsha Standard Requirement

- A portable, powered stapler or nailer..... shall be designed so that the operator is required to make not less than 2 separate operations to activate the tool, with one operation being to place the tool against the work surface.
- A positive actuation of the operator control (trigger) shall be required to propel each fastener from a powered stapler or nailer.

## Struck By – Residential (continued) Citations Issued

- 408.40114(1)
- Accident prevention program – not developed.
- 408.40622(1)
- Head protection not available/worn.
- 408.41937(4)
- Eye protection not available/worn
- 408.41937(5)
- Unintended discharge of pneumatic nail gun.
- 408.22129(1)
- Employee injuries not recorded onto 300 log.
- Initial penalty: \$30,000

## **Struck By – Residential (continued) Abatement/ Best Practices**

- Develop a Company Accident Prevention Program.
- Ensure that employees are instructed on the proper use of tools and equipment including personal protective equipment .
- Provide and use the appropriate personal protective equipment required.
- Use a powered nailer that requires two separate operations to drive a fastener or nail.

## **Struck By Plastic Injection Molding**

- ❖ On March 21, 2013, an employee was using overhead crane to move an injection mold from a storage area using the wrong size eye bolt. The lifting eye bolt failed and a 6,800 pound suspended mold fell striking employee. The employee died instantly.

## Struck By (continued) Plastic Injection Molding



## Struck By (continued) Plastic Injection Molding



## Struck By (continued) Citations Issued

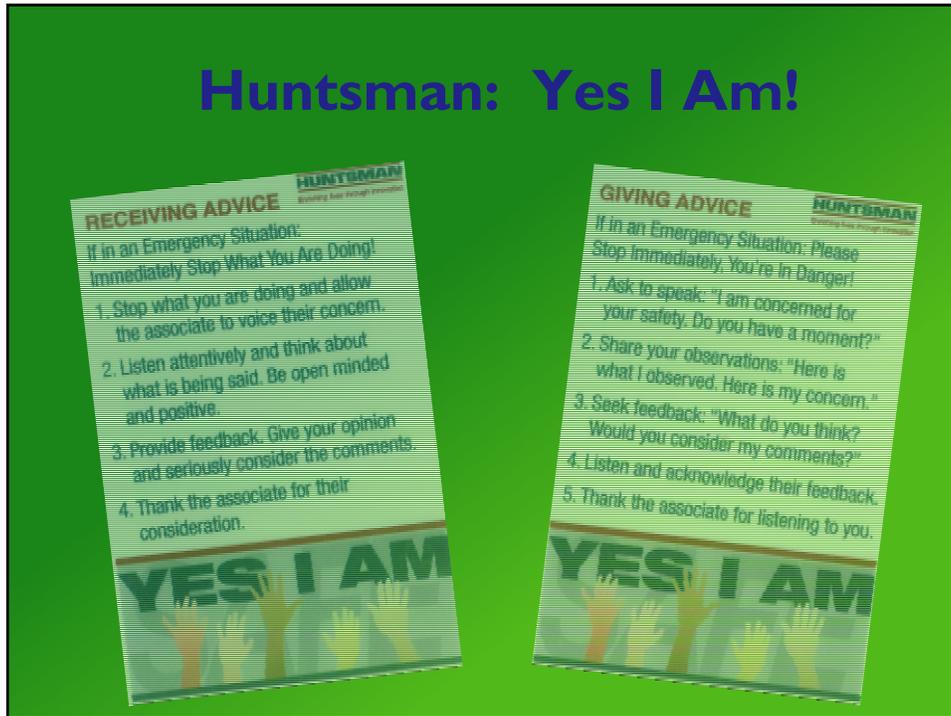
### Part 18, Overhead and Gantry Cranes

- Rule 1852(1) - No training for employee operating cranes.
- Rule 1853(1) - No testing for employee operating cranes.
- Rule 1854(1) - No permits and expired permits for employees operating cranes.
- Rule 1865(1) - Plastic injection mold was carried over employee.
- Rule 1852(5)(e) - No training provided in rigging procedures.
- Rule 1865(6) - Plastic injection mold was attached to sling by improper device.
- Rule 1872(1)(a) - No frequent inspections.

Initial Penalty: \$16,300



## Huntsman: Yes I Am!



## Georgia Pacific: Tailgates & Pre-shift Meetings

- ❖ Monday morning tailgates
  - 1<sup>st</sup> hour of every shift
  - Specific safety requirements
  - Concerns/alerts/near misses, other plant issues
- ❖ 15 Minute Pre-shift Meetings
  - Prior to the start of each shift
  - All team members
  - Discuss new safety concerns, alerts, near misses, observations
  - After safety, machine and quality issues discussed.

## Alcoa Howmet, Whitehall Operations Response to Increased I & I

- ❖ MVPP Recertification revealed an increase in total injuries in a particular plant
- ❖ New injuries were linked to a specific department
- ❖ Following best practices implemented to address problem:
  - Focused audits conducted in the department
  - Safety culture survey conducted in the plant
  - Day-long safety stand down day addressed:
    - Results from audits and safety culture survey
    - Other employee concerns
  - Results tracked to completion through meetings and a spreadsheet action plan.



## RPM – Reinventing Performance in Michigan

### ❖ GOALS

- A 25% improvement –satisfaction- regulatory process.
- 100% of customer facing regulatory materials used/needed.
- A 50% improvement -customer response time.
- An overall 50% reduction in forms.

### ❖ MIOSHA Projects

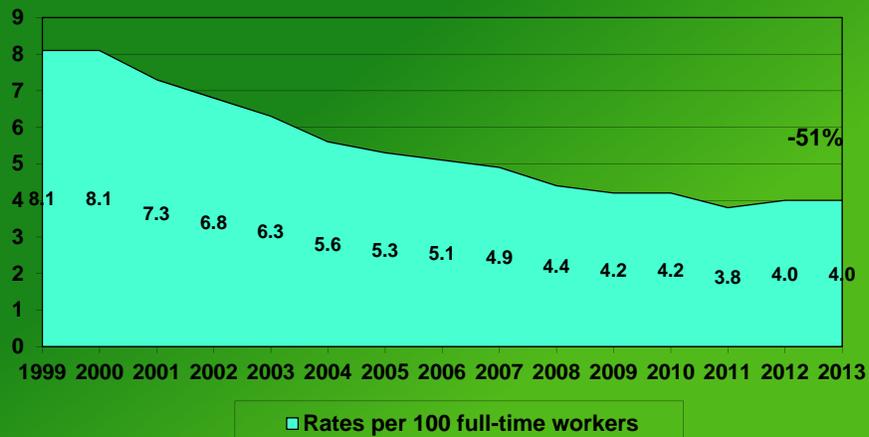
- Informal Settlement Agreement
  - Online Payments
- Freedom of Information Requests
- First and Second Step Appeals



## MIOSHA Act: Signed June 18, 1974



## Michigan Injury & Illness Rates Private Sector (U.S. BLS data)



## MIOSHA Program-Related Fatalities



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**Our job is not done!**

**More to do...**

- ❖ 27 MIOSHA related deaths in 2013
- ❖ 4,383 U.S. workers lost their lives in 2012



## MIOSHA'S Commitment

- ✓ Be proactive
- ✓ Do what it takes
- ✓ Make a difference
- ✓ Keep people safe & healthy on the job.



## MIOSHA: Stay Connected!

- ❖ MIOSHA News – available online quarterly
- ❖ MIOSHA eNews – sent via email monthly
  - Provides updates on policy changes and program activities
- ❖ Sign-up on MIOSHA website:  
[www.michigan.gov/miosha](http://www.michigan.gov/miosha)
- ❖ Follow @MI\_OSHA on Twitter 
- ❖ Like MichiganOSHA on Facebook 



## Take Action!



- ❖ Read safety publications
- ❖ Belong to professional organizations
- ❖ Utilize insurance company audits
- ❖ Conduct internal self-inspections
- ❖ Form a safety committee
- ❖ Contact CET for assistance
- ❖ Acquire an understanding of the MIOSHA standards
- ❖ Appoint an in-charge person for safety

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- ❖ Partnering with MIOSHA
- ❖ Making worksite safety & health a priority
- ❖ For all you do...  
every day...  
every job!



**You Make a Difference in Health & Safety!**

**Questions?**



**Comments?**