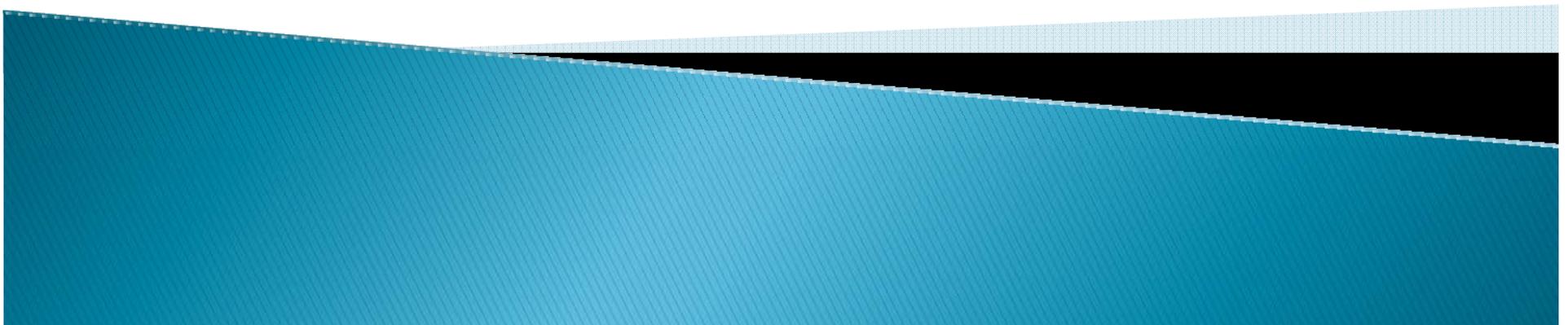


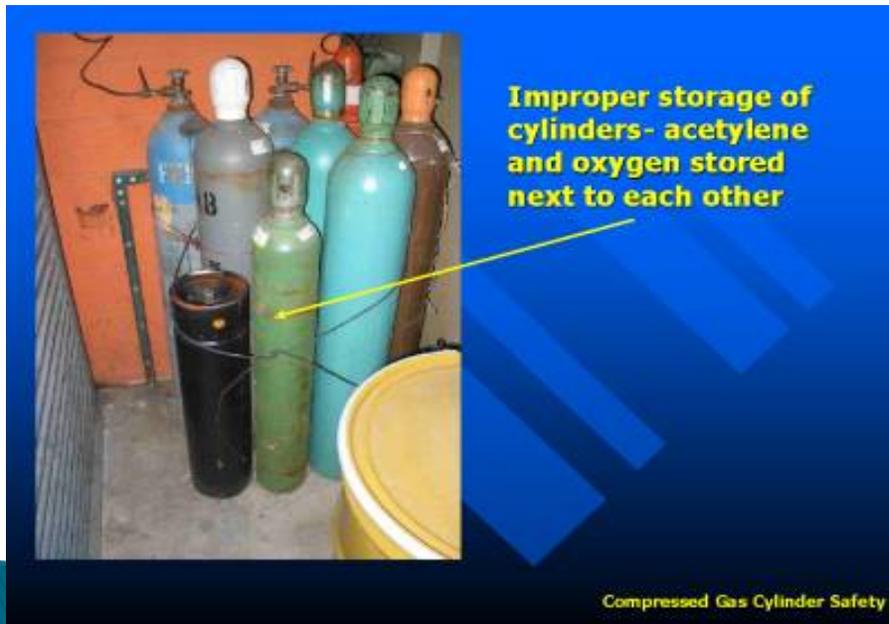
# OSHA UPDATES

Thom Stefanik, MS, CSP



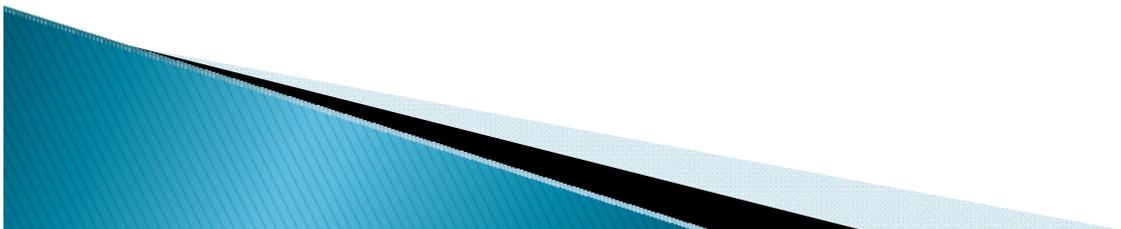
# Acetylene

Generators and piping



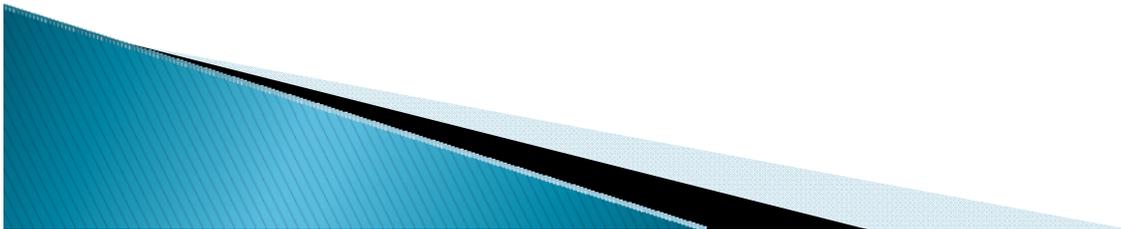
# Acetylene-Generation Background

- ▶ 29 CFR 1910.102 addresses acetylene cylinders, piping and generation.
- ▶ CGA and NFPA are incorporated by reference
- ▶ These proprietary and consensus standards are dated-some as far back as 2001.



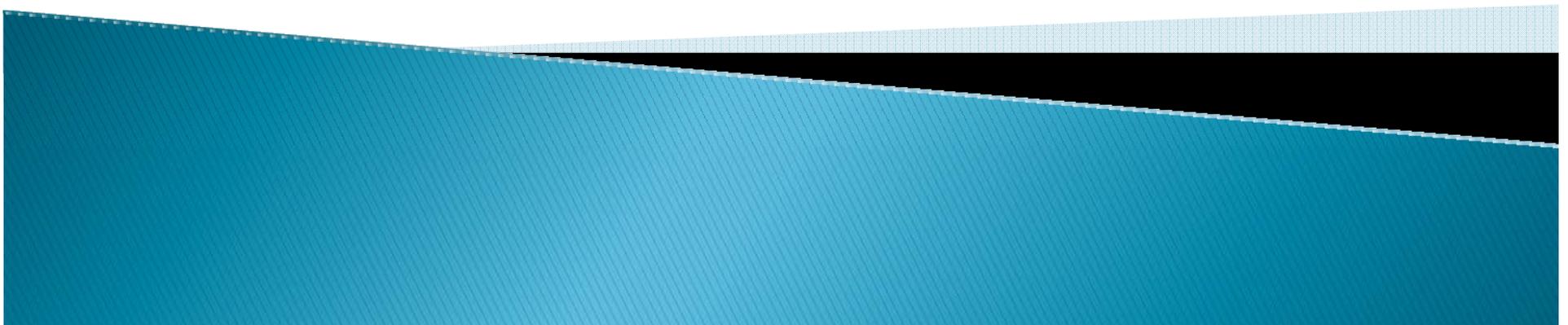
# Acetylene-Generation

- ▶ Withdrew Federal Register Notice August 11, 2009 – an attempt to update references.
- ▶ 29 CFR 1910.102- Outdated CGA proprietary standards and NFPA consensus standards incorporated by reference will still be used.



# **Cranes and Derricks in Construction 29 CFR 1926 Final Rule**

FR 2010-17818, August 9, 2010



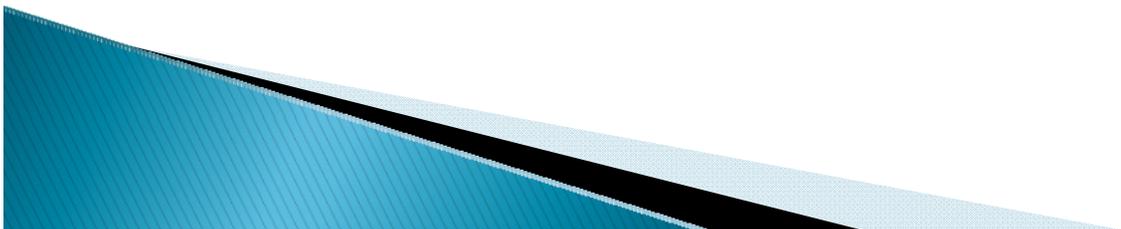
# Cranes and Derrick Background

- ▶ Replacing an old 1971 crane construction rule
- ▶ Rule making started in 1998 and targeted: crane electrocution, crushed by parts of the equipment, struck-by equipment/loads, and falls



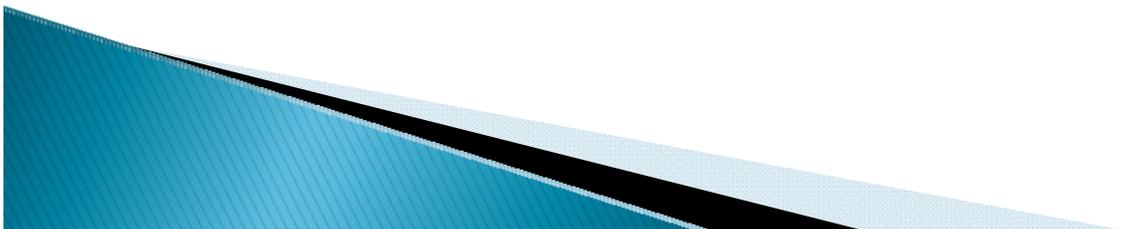
# Cranes and Derrick

- ▶ Update & specify industry work practices to protect employees during use of cranes and derricks in construction(assembly/disassembly) .
  - Encroachment prevention measures
  - No employees allowed under boom when pins are removed
  - Load loss
  - Dynamic loads
  - Free Falls



# Cranes and Derrick

- ▶ Advance designs of cranes & derrick
  - Incorporate walkways
- ▶ Related hazards
  - Active and passive fall protection
  - Hoisting personnel
- ▶ Qualifications of employees needed to operate them safely
  - Recognition of military and Government qualifications



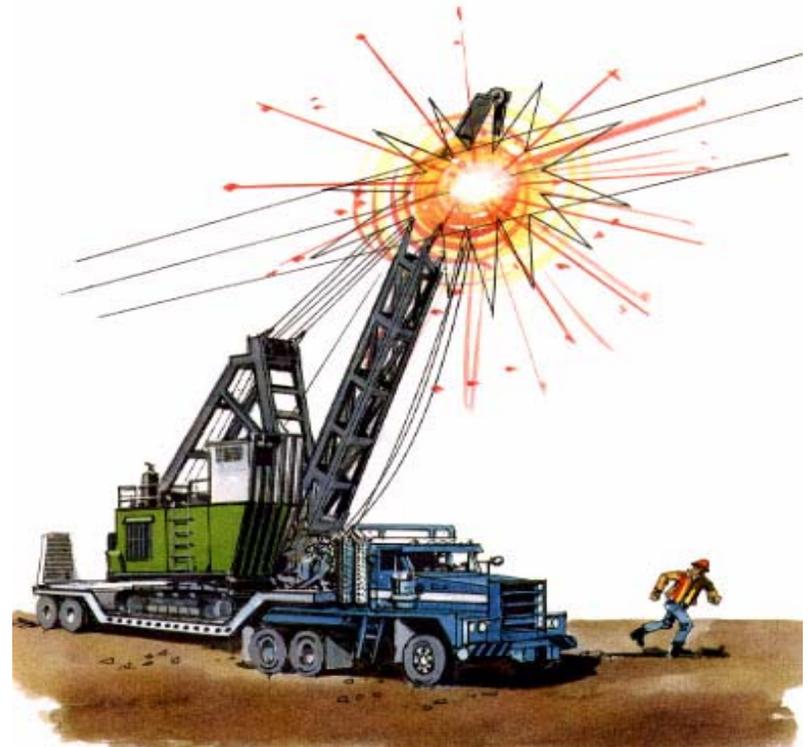
# Cranes and Derrick

- ▶ Employer to determine if the ground is sufficient to support the anticipated weight of the hoisting equipment and associated load.
  - Tip Overs
  - Cribbing
  - Underground voids

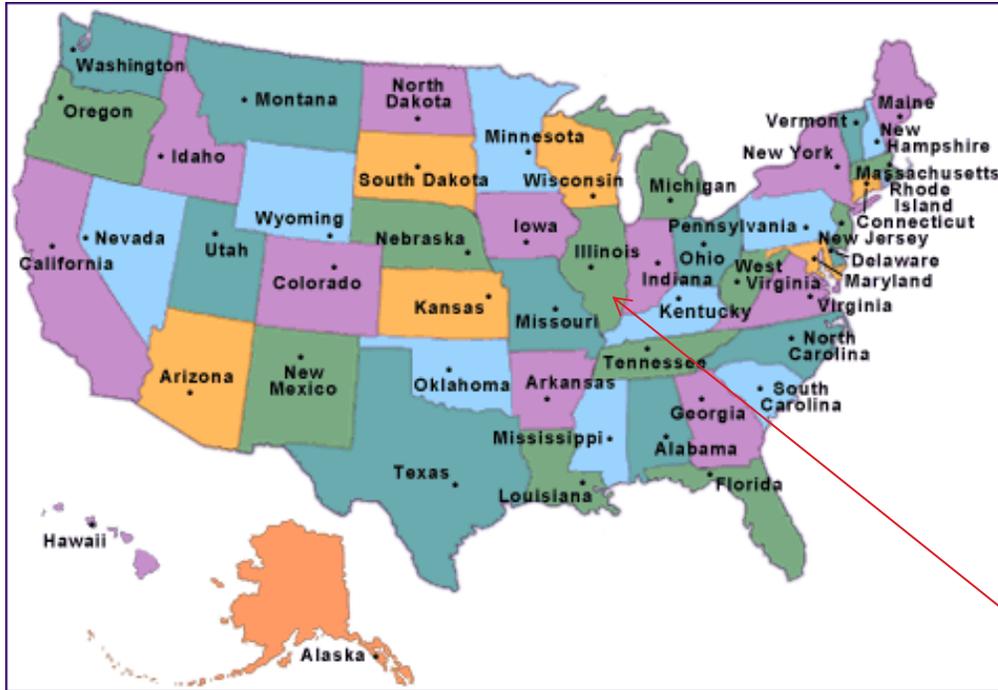


# Cranes and Derrick

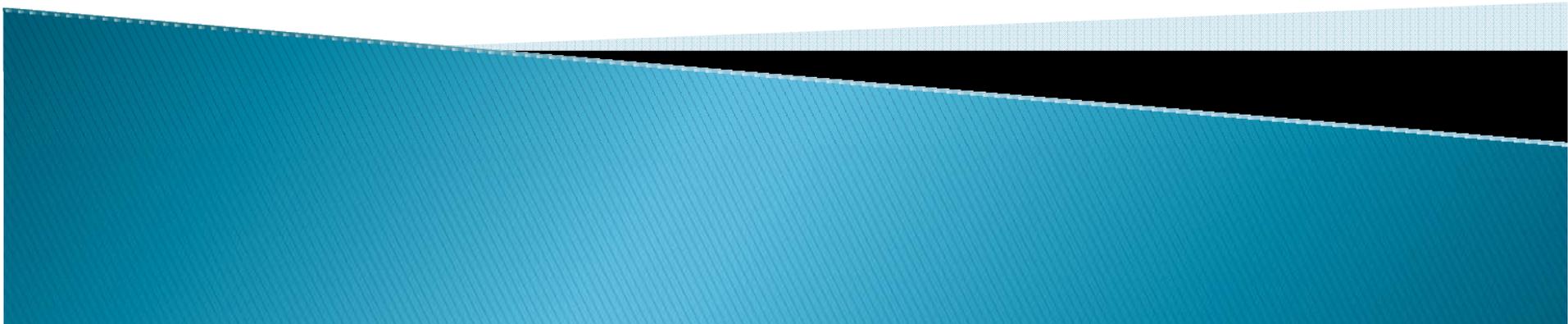
- ▶ An assessment to determine safe operation such as power lines and objects within the work zones are trained to recognize hazards.
  - Non-conductive tag lines
  - Insulating links to load



# New State OSHA Program

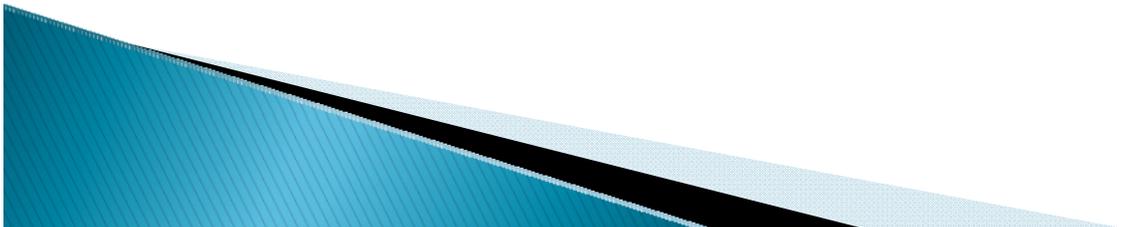


ILLOSHA ?



# State OSHA Program Background and new state

- ▶ Section 18 (c) of the OSHA Act permits states to submit for a state plan assuming responsibility for the development and enforcement of standards relating to federal OSHA issues.
- ▶ On September 1, 2009 Illinois now has an approved state plan covering Illinois public employees only.



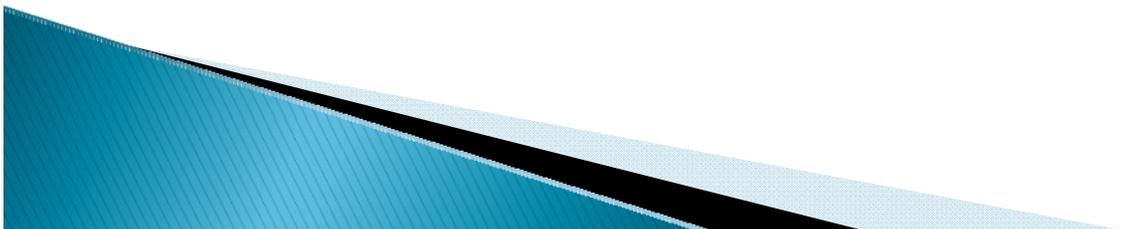
# OSHA Outreach Training Program

Effective Immediately



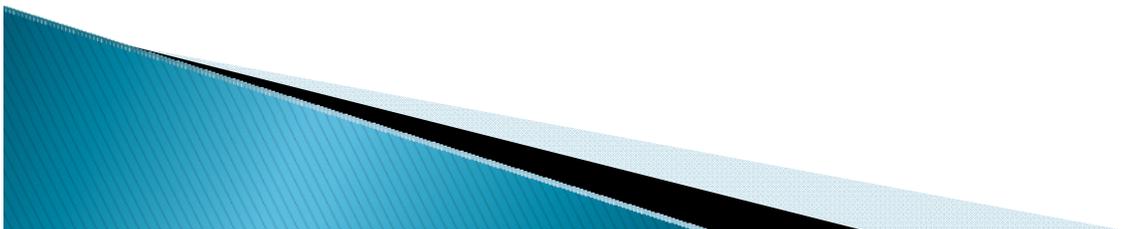
# Background

- ▶ The Occupational Safety and Health Administration's Outreach Training Program is a voluntary program to train workers in the basics of safety and health hazard recognition and prevention.
- ▶ OSHA authorizes trainers who complete construction and general industry train-the-trainer courses to conduct occupational safety and health classes for workers.



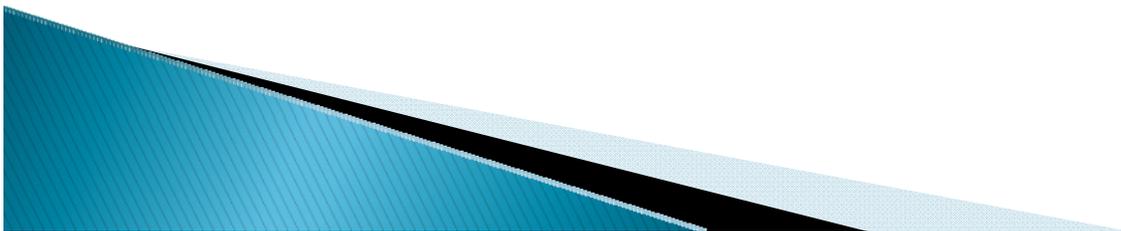
# Outreach Program Guidelines

- ▶ Maximum 7 ½ hours in one day
- ▶ 10-hour courses delivered over a minimum of 2 days
- ▶ 30-hour courses delivered over a minimum of 4 days
- ▶ New Outreach training Reports are to be obtained from respective OTI's
- ▶ Exceptions require 8 weeks request prior to the start of class to OSHA Office of Training and Education Programs, Arlington Heights, Illinois.



# New Outreach training component

- ▶ New two hour training component is now mandatory for both 10 and 30 hour Outreach courses
- ▶ Two hour training emphasizes workers' rights
- ▶ Curriculum includes; OSHA Instructor Guide, OSHA Handouts and OSHA PowerPoint
- ▶ Test and answer sheets provided by respective OTI
- ▶ To offset this requirement a trainer may eliminate any hour devoted to optional topics listed on the Designated Training Topic section



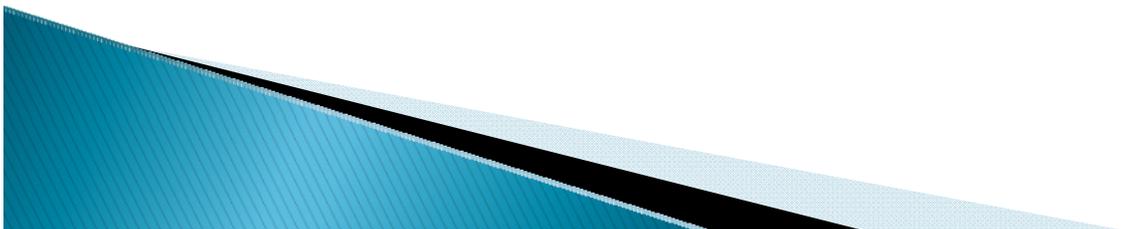
# OSHA's Whistle Blowing Actions

Federal Register Final Rules dated  
11/23/2010 and 1/18/2011



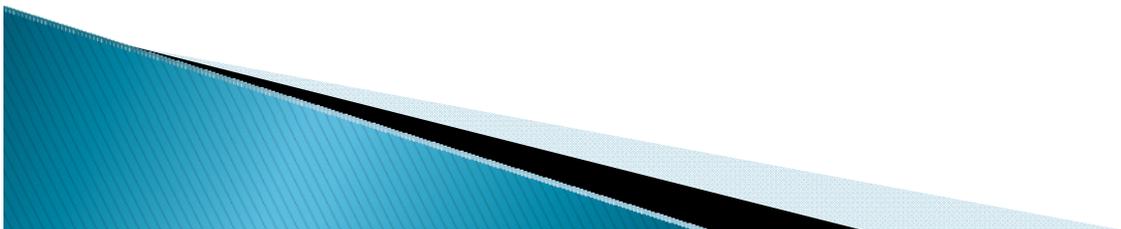
# Whistle Blowing Provisions Background

- ▶ OSHA also administers the whistleblowing provisions of nineteen other statutes, protecting employees who report violations of various airline, commercial motor carrier, consumer product, environmental, financial reform, health care reform, nuclear, pipeline, public transportation agency, railroad, maritime and securities laws.
- ▶ Adverse Action: Firing, layoff, blacklisting, demoting, denying overtime or promotion, disciplining, denial of benefits, failure to rehire, intimidation, making threats, reducing pay.



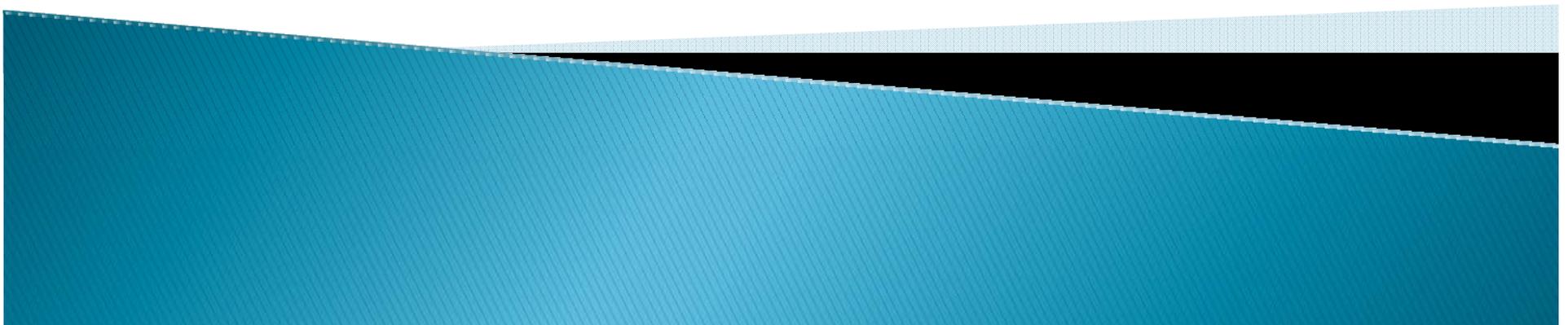
# OSHA's Recent Whistle Blower Actions

- ▶ Realigned complaint procedures with Energy Reorganization Act.
- ▶ Information collecting procedures on the handling of retaliation complaints under the employee provisions of:
  - Surface Transportation Assistance Act
  - Consumer Product Safety Improvement Act



**Revising the Notification Requirements in  
the Exposure Determination  
Provisions of the Hexavalent Chromium  
Standards Hexavalent Chromium**

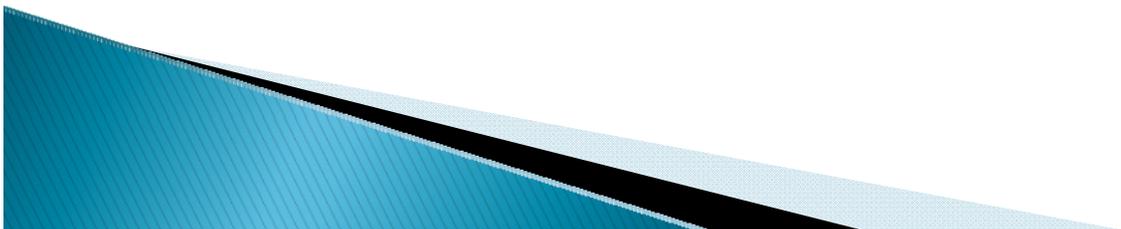
Federal Register /Vol. 75, No. 51  
Wednesday, March 17, 2010



# Hexavalent Chromium

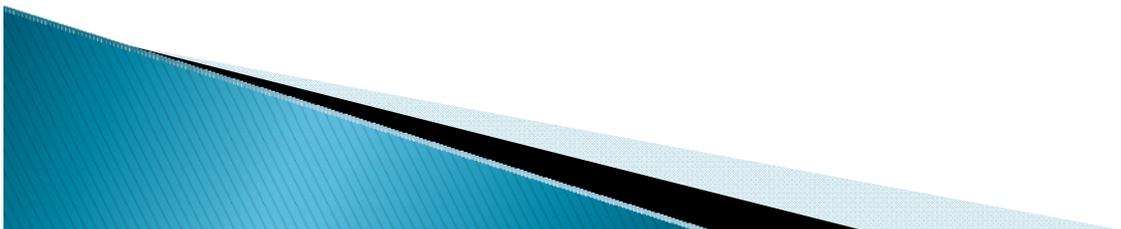
## Background (standard published in 2006)

- ▶ Health exposures and consequences
  - Lung cancer
  - ENT irritation
  - Eye and skin irritation
- ▶ Sources
  - Chromate pigments, dyes and powders
  - Chrome electroplating
  - Hot work and welding on stainless
- ▶ Exceptions to standard
  - Pesticides, Portland cement
  - Proof controlled @ 0.5 micrograms per cubic meter (ug/m<sup>3</sup>) of air as a TWA



# Hexavalent Chromium Program Elements (Background)

- ▶ Exposure monitoring and determinations
- ▶ Regulated areas-general only
- ▶ Control measures
  - Engineering controls
  - Work practice controls ( no rotating to a different job allowed to meet compliance)
  - Respiratory protection and other PPE
- ▶ Requirements for protective work clothing and equipment



# Hexavalent Chromium Program Elements (Background)

- ▶ Hygiene areas and practices
  - Change rooms
  - Washing facilities
  - Eating and drinking areas and surfaces
- ▶ Housekeeping
- ▶ Medical surveillance
- ▶ Training and communication
- ▶ Recordkeeping
  - Air monitoring data
  - Historical monitoring data
  - Objective data
  - Medical surveillance



# Hexavalent Chromium Notification requirements

- ▶ Final rule requires employers to notify employees of the results of ALL exposure determinations

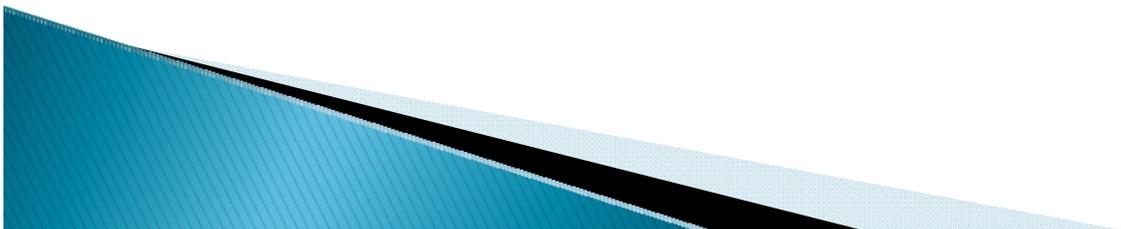
## § 1910.1026 Chromium (VI)

\* \* \* \* \*

(d) \* \* \*

(4) \* \* \*

- (i) Within 15 work days after making an exposure determination in accordance with paragraph (d)(2) or paragraph (d)(3) of this section, the employer shall individually notify each affected employee in writing of the results of that determination or post the results in an appropriate location accessible to all affected employees.



# Hexavalent Chromium

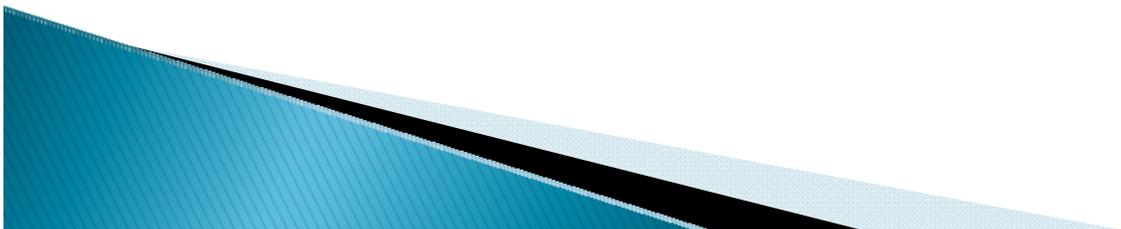
- ▶ Final rule requires employers to notify employees of the results of ALL exposure determinations

## § 1926.1126 Chromium (VI)

(d) \* \* \*

(4) \* \* \*

(i) Within 5 work days after making an exposure determination in accordance with paragraph (d)(2) or paragraph (d)(3) of this section, the employer shall individually notify each affected employee in writing of the results of that determination or post the results in an appropriate location accessible to all affected employees.



# Hexavalent Chromium

- ▶ Final rule requires employers to notify employees of the results of ALL exposure determinations

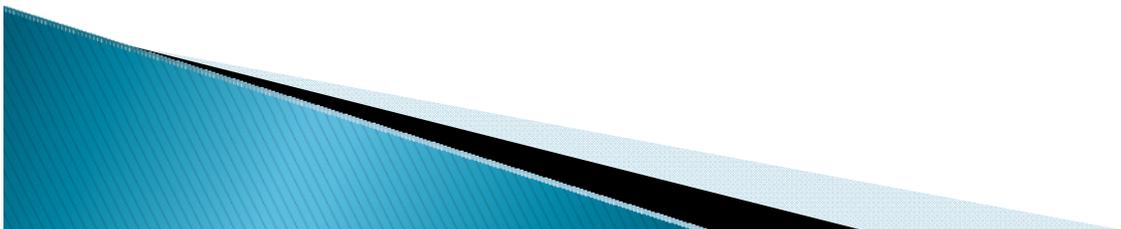
## § 1915.1026 Chromium (VI)

\* \* \* \* \*

(d) \* \* \*

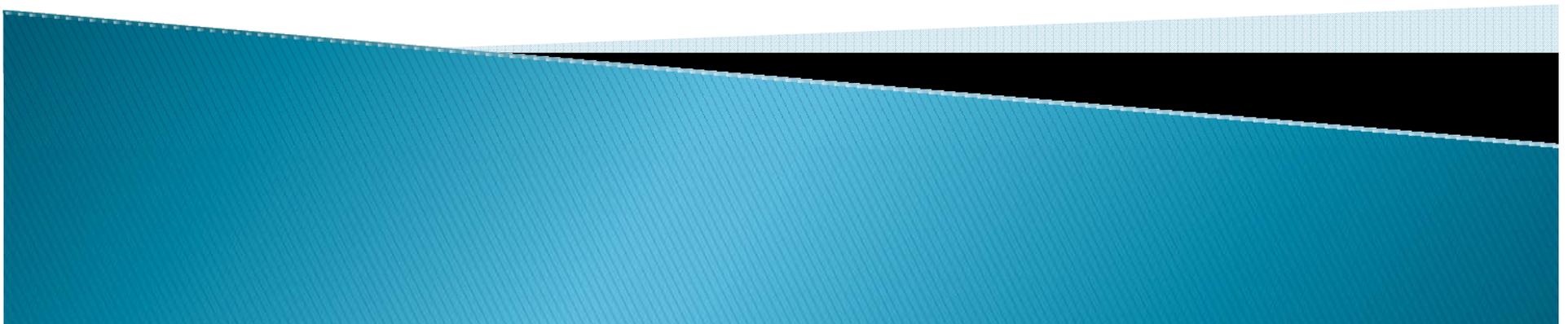
(4) \* \* \*

- (i) Within 5 work days after making an exposure determination in accordance with paragraph (d)(2) or paragraph (d)(3) of this section, the employer shall individually notify each affected employee in writing of the results of that determination or post the results in an appropriate location accessible to all affected employees.



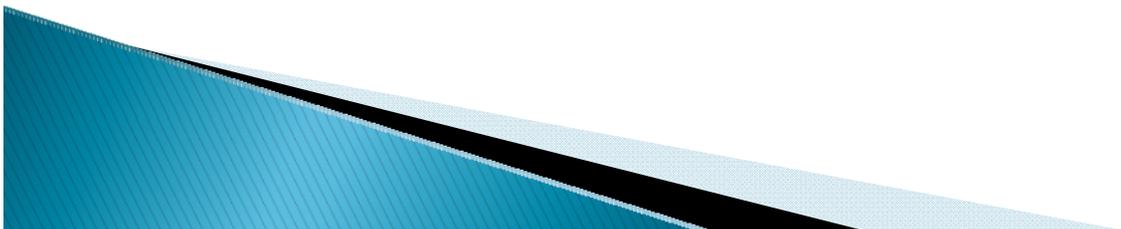
**Updating OSHA Standards Based on  
National Consensus Standards;  
Personal Protective Equipment  
29 CFR 1910, 1915, 1917, 1918**

Federal Register, Vol.74. No. 173, September 9  
2009



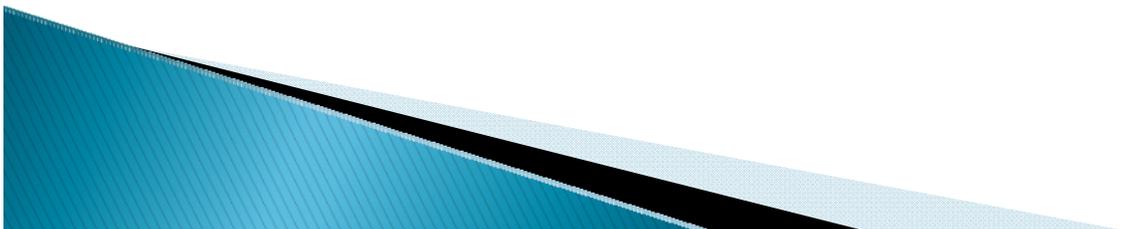
# PPE Consensus Standard Back Ground

- ▶ Designed requirements for eye/face/head and foot are in many OSHA regulations
- ▶ All are linked with National Consensus Standards
- ▶ Some ANSI standards are over 20 years old
- ▶ New will be the concept of “good design” and put consensus standard an a non-mandatory appendix



# Changes to standards

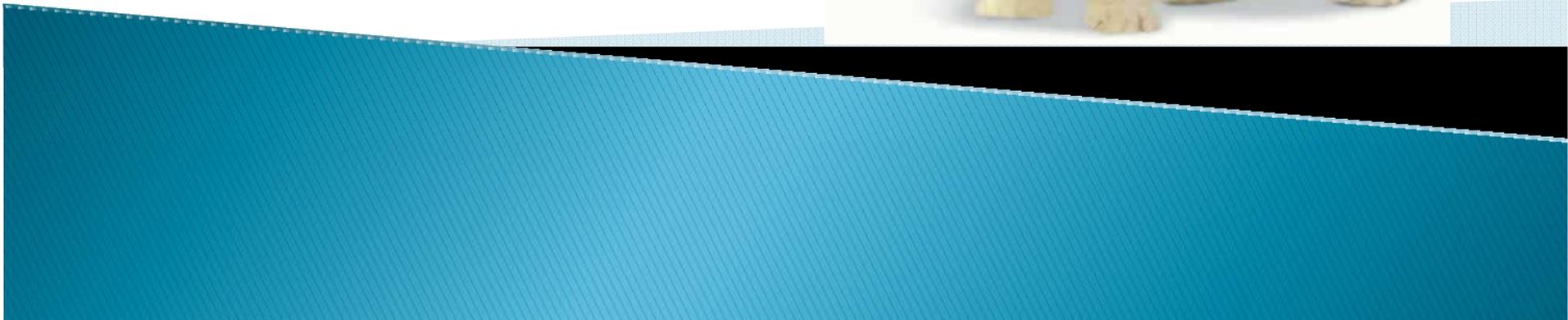
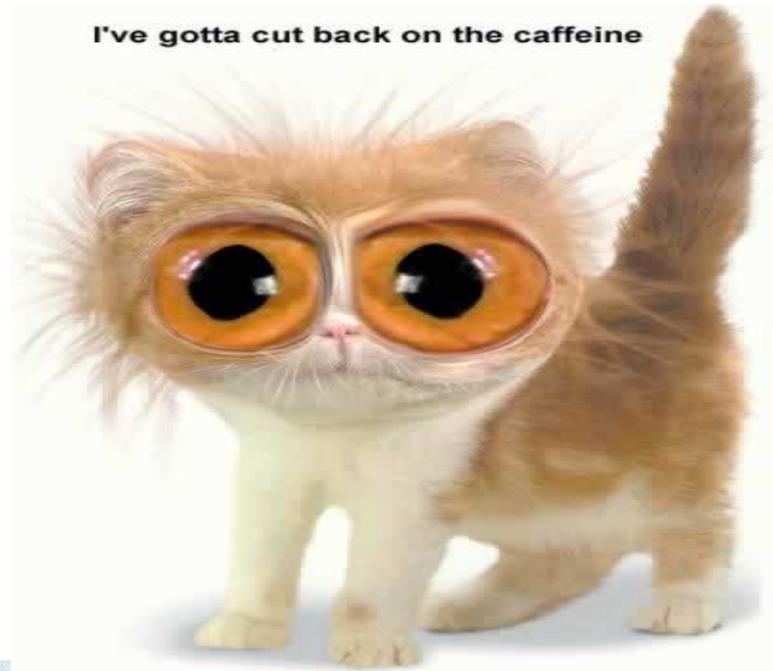
- ▶ Affects eye-and-face protection devices, head protection and foot protection
- ▶ Deleting sections on PPE that must meet if purchased before a specific date.
- ▶ Intent is to replace references to specific national consensus standards with a performance-oriented “good design” requirement



# OSHA's Compliance Directive Updates

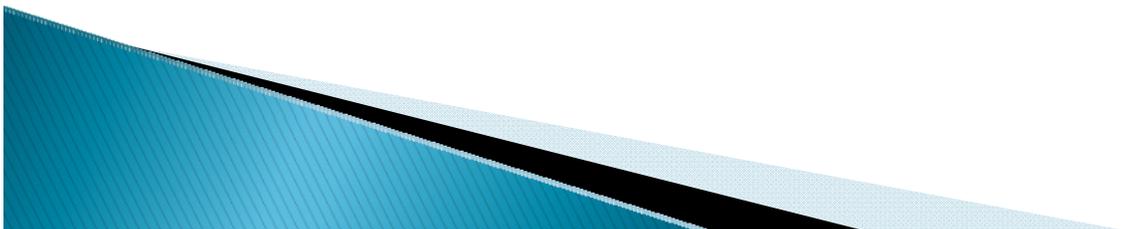
Enforcement Tab located on [WWW.OSHA.Gov](http://WWW.OSHA.Gov)

I've gotta cut back on the caffeine



# OSHA's Recent Compliance and Enforcement Directives and Background

- ▶ Listed are compliance and enforcement guides for the CSHO. Good source for your defense and program compliance.
- ▶ From January 2010 to Present there were 19 directives issued.

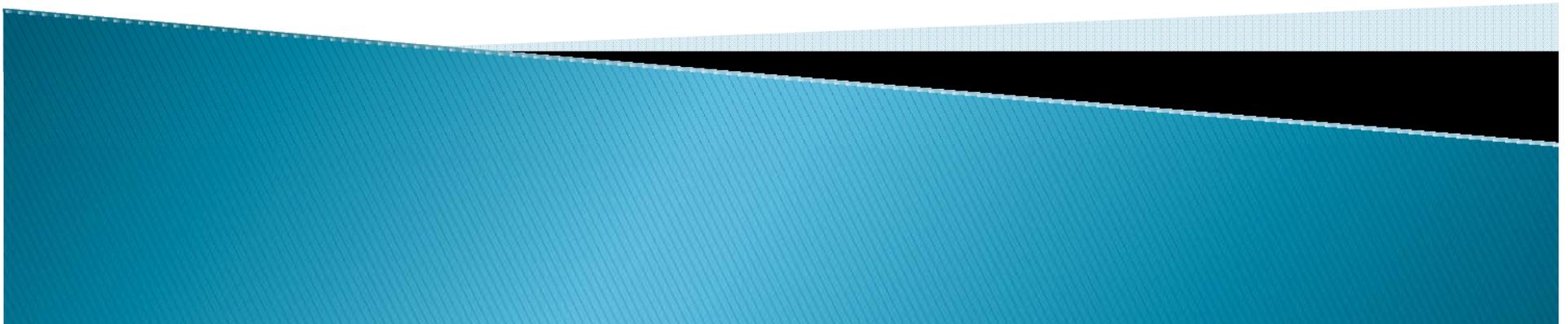


# OSHA's Recent Compliance and Enforcement Directives (Value to you)

- ▶ CPL 02-02-076 – National Emphasis Program Hexavalent Chromium
  - ▶ 10-07 (CPL 02) - Injury and Illness Recordkeeping National Emphasis Program (RKN)
  - ▶ 10-08 (FAP 01) – Federal Agency Targeting Inspection Program (FEDTARG11)
  - ▶ CPL 02-01-50-29 CFR Part 1910, Subpart I, Enforcement Guidance for Personal Protective Equipment in General Industry
- 

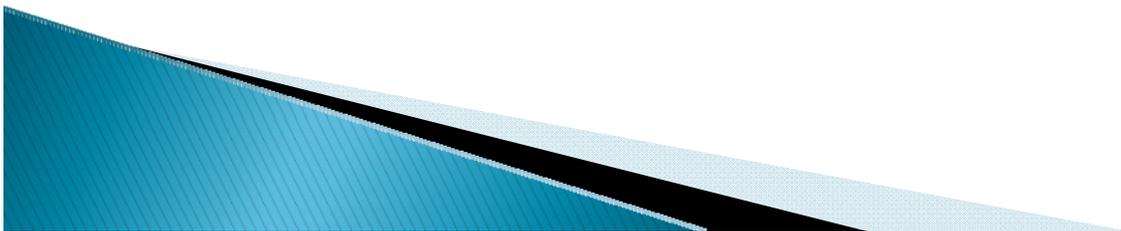
# Hexavalent Chromium

**CPL 02-02-076 – National Emphasis Program  
Hexavalent Chromium**



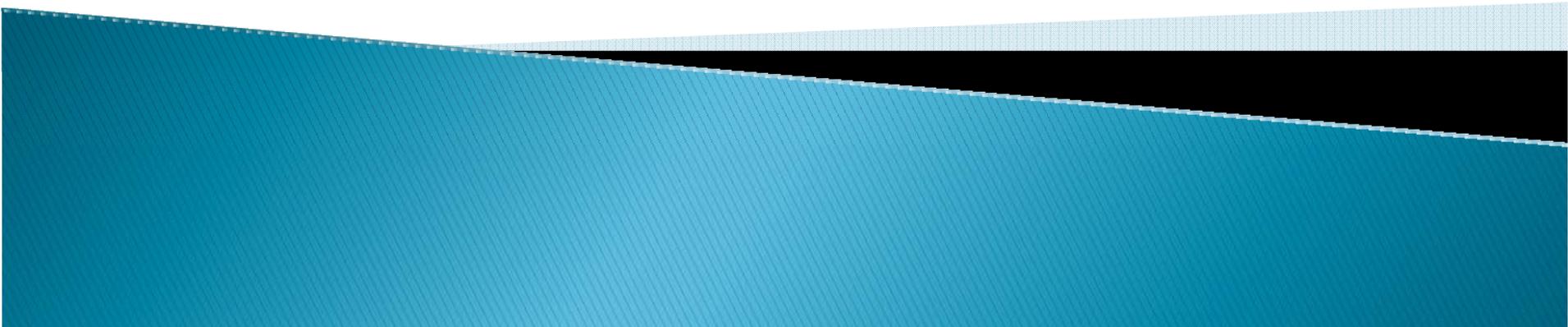
# National Emphasis Program Hexavalent Chromium

- ▶ Emphasis will be on Industrial Hygiene surveys
- ▶ Focus will be on the health hazard to workers
- ▶ Directions for the CSHO to identify, inspect workplaces and processes, procedures and plans for compliance



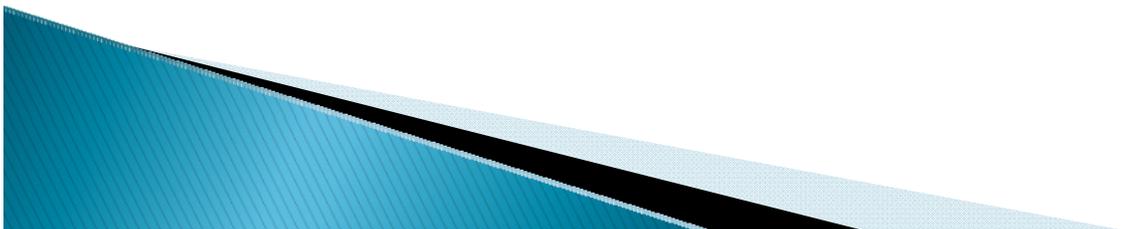
# **Injury Illness Recordkeeping**

**10-07 (CPL 02) - Injury and Illness  
Recordkeeping National Emphasis Program  
(RKN)**



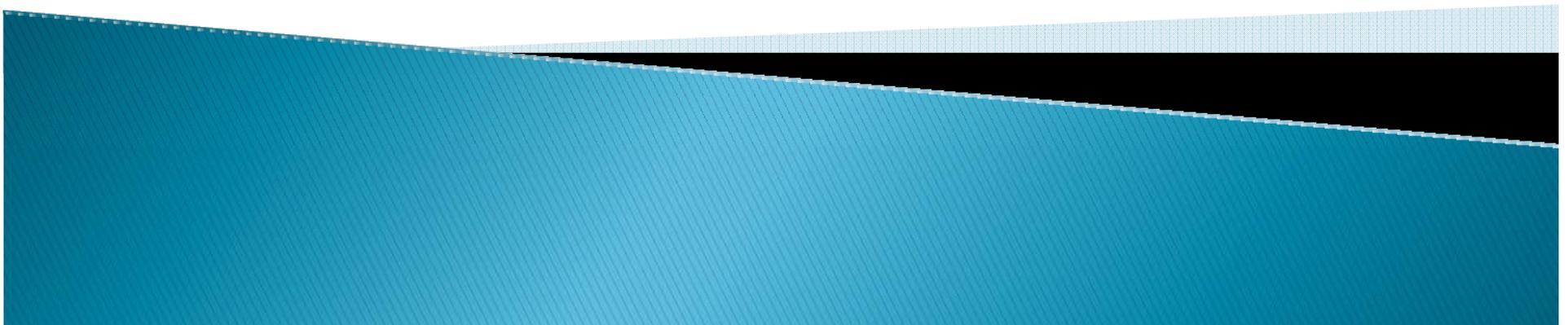
# NEP Injury Illness Recordkeeping

- ▶ BLS found workplace injury and illness data not consistent with other sources
- ▶ Target will be manufacturing sector
- ▶ Injury and illness rate criterion will be a DART rate greater than 4.2 and less than 8.0
- ▶ Record review will be from CY 2008 and CY 2009



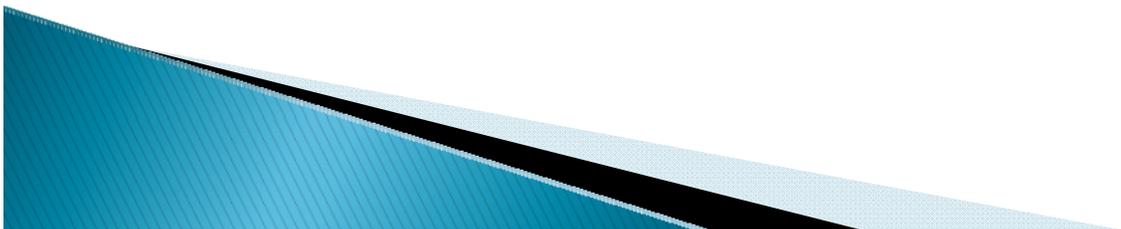
# **Federal Agency Targeting Inspection Program**

**10-08 (FAP 01) – Federal Agency Targeting  
Inspection Program (FEDTARG11)**



# Federal Agency Targeting Inspection Program

- ▶ Fiscal year based programmed inspection of federal field activities, regional offices, installation or facilities. Notice expires September 30, 2011
- ▶ Primary Inspection List establishments reporting 100 or more lost time cases (LTCs) during the FY 2010, 50% of the establishment reporting 50 to 99 LTCs, and 10% reporting 20 to 49 LTCs.
- ▶ This will be a 100% wall to wall inspection



# The End

Any questions?  
858-395-2139

