



ASN

APPALACHIAN STEPS NETWORK

Richard C Jeffrey,
Compliance Assistance Specialist
USDOL.OSHA

- **Starting January 1, 2015** all employers must report:
 - all work-related fatalities within 8 hours
 - all work-related inpatient hospitalizations, amputations or losses of an eye within 24 hours



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**OSHA:
45 years of
Progress
on Safety
and Health**



PRESENTATION OVERVIEW

- Enforcement
- Safety & Health Regulations/Standards
- Oil & Gas Regional Emphasis Program
- Inspection Results (stats)
- National study conducted by CDC
- *Code of Federal Regulation (CFR)

OSHA Enforcement

Standards and Consensus Standards

- CFR 1910. General Industry
- CFR 1926. Construction
- American Petroleum Institute (API)
- UL's from Pressure Vessel Codes, American Society of Mechanical Engineers (ASME)

General Industry Standards

- CFR 1910. Examples
- Injury and Illness Recordkeeping Requirements *reporting accidents
- Hazard Communication/GHS
- Fall Protection
- Moving parts-Machine guarding

- Respirator Program
- Guarded Platforms, stairs, open sided floors
- Flammable/combustible gas
- Welding
- Ladders
- *Process Management System proposed

CONSTRUCTION STDS

- CFR 1926. Examples
- Motor Vehicles, Mechanized Equipment, and Marine Operations
- Trenching Excavation
- Fall Protection
- Cranes, Derricks, Hoists,
- Electrical
- Scaffolds

- Fire Prevention
- Personal Protective and Life Saving Equipment
- Hand & Power Tools
- Steel Erection
- Flammable Liquids

Phases/Applicable CFR

- Site Preparation – CFR 1926.
- Drilling/Production – CFR 1910.
- Plant Production – CFR 1910.
- Servicing CFR 1910.
- *Dismantling of platform is considered Construction and CFR 1926.

INSPECTION TYPES

by priority

- Imminent Danger
- Fatalities/Catastrophe
- Formal Complaints/referrals
- Programmed - General

OTHER PROGRAMMED INSPECTIONS

- National Emphasis Programs
 - Fall Hazards, Silica,
- Local Emphasis Programs
 - Logging
- ***Regional Emphasis Programs***
 - ***Oil and Gas***

- Oil and Gas Inspections taken from list and randomly chosen.**
- Data and Statistics
- Silica (NEP)
- Vehicle incidences and contact with objects and equipment account for 2/3 of deaths. See slide 23

CHAO STATISTICS

- 2013 to August 11, 2015 - Eight fatalities investigated
- Two were during the same incident involving two separate companies (same event)
- Three fatalities involved interaction with moving equipment
- Five fatalities involved fire/explosion

TOTAL INSPECTIONS

2005 THRU 8/11/2015

- 305 Inspections Conducted
- 196 Inspections had violations
- 563 Violations issued

- *5 to 8 inspectors for State of West Virginia

NAICS-213111

Drilling

2005-2010

- 99 Inspections
- 84 Inspections had violations issued
- 274 violations issued

2010-Present

- 93 inspections conducted
- 31 inspections had violations issued
- 115 violations issued

NAICS 238910

2005-2010

- 46 Inspections conducted
- 31 Inspected had violations issued
- 138 violations issued

2010-2015

- 27 inspections conducted
- 15 Inspected had violations issued
- 35 violations issued

NAICS-213112

- 2005-2010

- Ten Inspections conducted
- Eight Inspected had violations issued
- 35 Violations were issued

- 2010-2015

- 34 Inspection conducted
- 18 Inspected had violations issued
- 49 Violations

01/01/2013 - 08/7/2015

- 33 inspections conducted in Oil/Gas
- 12 inspections had violations issued
- 21 inspections (from Regional Emphasis Program) were in compliance
- 297 employees covered by 33 inspections

**Occupational Fatalities During the
Oil and Gas Boom — United
States, 2003–2013**

Weekly

May 29, 2015 / 64(20);551-554

- During 2003–2013, the U.S. oil and gas extraction industry experienced unprecedented growth, doubling the size of its workforce and increasing the number of drilling rigs by 71% (1,2).

To describe fatal events among oil and gas workers during this period, CDC analyzed data from the Bureau of Labor Statistics (BLS) Census of Fatal Occupational Injuries (CFOI), a comprehensive database of fatal work injuries (3).

During 2003–2013, the number of work-related fatalities in the oil and gas extraction industry increased 27.6%, with a total of 1,189 deaths;

- ***Two-thirds of all worker fatalities were attributed to transportation incidents (479, [40.3%]) and contact with objects/equipment (308 [25.9%]). More than 50% of persons fatally injured were employed by companies that service wells (615 [51.7%]).***

- [*www.bls.gov/news.release/cfoi.toc.htm*](http://www.bls.gov/news.release/cfoi.toc.htm)
- Table of Contents . **Census of Fatal Occupational Injuries** Summary, 2013 ; Table 1. Fatal occupational injuries by event or exposure, 2012-2013 ; Table 2.

Prima Facie Evidence

- Hazard
- Exposure to hazard
- OSHA Standard or General Duty Clause (5 A 1)
- Knowledge
- Note: CSHO will ask questions and take statements upon identification of hazard



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UNITED STATES DEPARTMENT OF LABOR

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Occupational Safety & Health Administration

Worker Rights Anti-Retaliation Regulations - Small Business - Data & Statistics - Enforcement - Training - Publications Hazards En Español



Filing a Complaint

How to File a Complaint with OSHA

- Filing a Complaint
- Recordkeeping Rule Updates
- Protecting Temporary Workers
- OSHA QuickTakes Newsletter

IN FOCUS



Protecting Temporary Workers

4,405 workers died on the job in 2013

8/21/14 NM: Worker electrocuted when aerial lift contacted power line.

Fatality Reports

"No one should have to sacrifice their life for their livelihood, because a nation built on the dignity of work must provide safe working conditions for its people."
— Secretary of Labor Thomas E. Perez

NEWSLETTER

OSHA QuickTakes

NEWS

HOW TO...

- File a complaint
- Get a FREE OSHA poster
- Report a fatality, in-patient hospitalization, amputation or loss of an eye
- Get information on recordkeeping
- Get help for small businesses
- Get the latest industry/hazards alerts
- Find out if OSHA has inspected a workplace
- Find information on construction hazards
- Get help for clinicians
- Learn about partnerships and cooperative programs

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Top Ten Violations

Most frequently cited
OSHA regulations
during FY 2014
inspections

1. Fall Protection
2. Hazard Communication
3. Scaffolding
4. Respiratory Protection
5. Lockout/Tagout
6. Powered Industrial Trucks
7. Electrical – Wiring Methods
8. Ladders
9. Machine Guarding
10. Electrical – General Requirements

AGENCY RESPONSIBILITIES AND PROGRAMS

- Promulgation of new standards
- Enforce OSHA Act, Standards and General Duty Clause (Section 5 A 1)
- Training and Education
- Consultation
- Outreach

STEPS

- Supported by WVONGA, Oil & Gas Corporations, OSHA, West Virginia Education Center Safety & Health Extension Service, Marshall University, Vendors, Insurance Industry

Training and Education

- WVU and other Education Centers in CONUS
 - Alliance with WVU, Oil and Gas participants to develop materials and educ. For workers.

OUTREACH

Alliance with oil and gas industry, WVU Ed Center in 2009

Appalachian STEPS Network in 2011-12

Support and presentations to Project BEST,
Construction Council for Upper Ohio Valley Safety
Committee

National Alliance with Oil and Gas Industry

ENFORCEMENT ACTIVITIES

- Directive system
- Probable cause
- Statistical targeting system to identify trends and high hazards industry

Preventing Falls

- Plan
- Provide
- Train