

**I CAN'T WELD, I CAN'T FIT,  
I CAN'T HANG IRON...I CAN'T EVEN GOLF.**



**I GUESS I'LL  
JUST GO INTO SAFETY.**

# Construction Safety Management

Mark E. Garrett

Director-Health & Safety Services

International Brotherhood of Boilermakers

Iron Ship Builders, Blacksmiths

Forgers & Helpers

AFL-CIO



# Elements of A Safety Program

# Safety Program Development

- Assignment of responsibility
- Hazard identification and control
- Training and communication
- Documentation and enforcement of safety rules

# Safety Program

- Provide safe working conditions
- Set safety goals
- Rewards safety performance
- Review circumstances involved in incidents
  - Taking appropriate correction actions

# Benefits of a Safety Program

# Benefits

- Reduced Injuries and Incidents
- Reduced Workers Compensation Costs
- Improved Employee Morale

# Roles and Responsibilities

- Supervisors/Management
  - Establish safe work practices
  - Enforce safety rules and regulations
  - Train employees how to avoid hazards
  - Enforce reporting work-related injuries, illnesses, and near misses
    - Investigate causes of incidents or near misses
    - Take the appropriate action to prevent recurrence
  - Ensure prompt medical attention



# Roles and Responsibilities (cont' d)

- Safety Professional
  - Develop and implement accident prevention programs
  - Advise management on company policies and governmental regulations
  - Evaluate effectiveness of existing safety programs
  - Train management in safety observation techniques

# Why Have a Plan?

- Designed to Protect
  - Workers
  - Environment
  - Public
  - Equipment

# Why Have a Plan (cont' d)

- Government Regulations
  - OSHA
  - EPA
  - State/Local
- Public/Private Requirements

# Program Contents

- Personal Protective Equipment (PPE)
  - Proper use
  - Employee training
  - Enforcement
    - Dusty Operations
    - Unknown hazards
    - Hazardous waste operations and Emergency Response

# Program Contents

- Hazard communication program
  - Written program development and implementation
  - Chemical Inventory
  - Communicate safe work methods for:
    - Jobs-Specific activities
    - Non-routine tasks
    - Labeling requirements
    - SDS
    - Employee training (contractors)

# Program Contents

- Machine guarding
  - Make sure that machine guarding is:
    - Replaced and tested for proper function when removed for maintenance
    - Review electrical and mechanical interlocks to see if they work properly
- Equipment Repair
  - Inspect and repair and/or replaced defective parts

# Program Contents

- Lockout/Tagout
  - Make sure that lockout/tagout procedures are established
  - Employees trained
- Others
  - Confined-space entry
  - Excavation
  - Heavy equipment
  - Air monitoring

# Formulating the Plan

- Team Effort Required
  - Management
  - Supervisors
  - Workers



# What to do next

- Pre-entry briefing to alert personnel of hazards
- Conduct Job Hazard Analysis as appropriate
- Periodic safety inspection
  - Mitigate Hazards

# Identifying Project-Specific Requirements

- Job Hazard Analysis
  - Select activities with highest risk
  - Break activity into individual components
  - Identify potential hazards in each component
  - Develop procedures to eliminate/reduce hazard

# Reviewing On-Going Operations

- Conduct site safety inspections
- Review training records and work permits
- Review air monitoring data
- Review how deficiencies are detected and corrected
- Conduct progress meetings

# Top Violations

- Fall Protection in Construction (1926.501)
- Hazard Communication (1910.1200)
- Scaffolding in Construction (1926.451)
- Respiratory Protection (1910.134)
- Lockout/Tagout (1910.147)
- Ladders in Construction (1926.1053)

# Summary

- Eliminate hazards
- Reduce risks when hazards cannot be eliminated
- Develop and implement procedures and training

# Summary (cont' d)

- It is important to relay clear safety expectations to the crews in the field.
- Everyone should have “Stop Work” authority.

# Where to get Assistance

- IBB Safety Director
- MOST Intern

Available for site safety walks to assist with hazard recognition and Mitigation.

# THANK YOU!

Mark Garrett

Director-Health & Safety Services

Cell: 225.276.6796

[mgarrett@boilermakers.org](mailto:mgarrett@boilermakers.org)