

Module 6

Other Construction Hazards

Other Construction Hazards

- Life Safety
- Personal Protective Equipment
- Bloodborne Pathogens Awareness
- Fire Protection
- Confined Spaces
- Housekeeping

Other Construction Hazards

Life Safety

- **How can I get out of here?**
- **Where are the exits?**
- **Who is in charge?**
- **Who do I contact if an emergency happens?**
- **Where is the first aid kit?**

Other Construction Hazards

Personal Protective Equipment

- Explain terms significant to the OSHA Standard.
- Comprehend the necessity and process to perform hazard assessment.
- Comprehend the relation between PPE and heat stress.
- Comprehend engineering versus mechanical controls.
- Explain that all Personal Protective Equipment shall be designed and constructed for the work to be performed.
- Define the responsibility for employee owned PPE.

Other Construction Hazards

Bloodborne Pathogens Awareness

- Explain training requirements, employee rights, etc.
- Define universal precautions as a way to protect yourself and the people you work with.
- Explain the need to report exposures.
- Restate that additional training is required for first-responders, medical personal, police officers, nursing home workers, etc.

Other Construction Hazards

Fire Protection

- address the issues of evaluating potential fire hazards,
- explain preventive measures for housekeeping, control of material sources, components, temporary heating devices, etc.
- recognize the requirements for combustible and flammable material storage
- fire extinguisher handling/maintenance,
- emergency response and evacuation procedures
- hazard of welding operations, safe work permits, etc

Welding, Cutting & Brazing

Compressed Gases

- **Specific gases**
 - **OSHA regulations contain sections on-**
 - **Acetylene**
 - **Hydrogen**
 - **Oxygen**
 - **nitrous oxide**
 - **anhydrous ammonia**
 - **liquefied petroleum gas**

Other Construction Hazards

Confined Spaces

- Explain OSHA Standard and Training Requirements.
- The role of the Competent Person.
- Explain terms significant to the OSHA Standard.
- List the duties of entrants, entry supervisor, and attendant.
- Describe emergency planning.
- Identify program requirements.
- **Explain the need for additional training if asked to work in a confined space.**

Confined Space Standard

All employees required to enter into confined or enclosed spaces shall be instructed as to the nature of the hazards involved, the necessary precautions to be taken, and in the use of protective and emergency equipment required. The employer shall comply with any specific regulations that apply to work in dangerous or potentially dangerous areas.

Categorizing Work Spaces

Confined Space

- **SPACE LARGE ENOUGH TO ENTER AND**
- **LIMITED OR RESTRICTED ENTRY OR EXIT AND**
- **NOT DESIGNED FOR CONTINUOUS OCCUPANCY**



Categorizing Work Spaces

- Requires a Permit if:
 - HAZARDOUS ATMOSPHERE
 - ENGULFMENT HAZARD
 - CONFIGURATION HAZARD
 - ANY OTHER RECOGNIZED SERIOUS HAZARD



Training and Education

- **Knowledge & skills for safe performance**
- **Additional training when**
 - Job duties change
 - Change in program or new hazard identified
 - Employee's job performance is deficient
- **Emergency training (CPR and first aid)**
- **Certificate of training issued**



General Safety & Health

- **Housekeeping**
 - Your mother was right, clean up after yourself!
 - Remove trash and debris daily
 - Flammable material must be kept in a fire proof container until removed from area



Harwood Grant #46J6-HT13



Safety is everyone's responsibility

- The focus four hazards are responsible for the majority of physical, financial, and emotional losses in construction
- ***They exist on nearly every jobsite.***
- It takes a well-trained crew (the entire crew!) and lots of pre-planning to recognize and respond to those hazards

Safe job permits

Hot work permits

Pre task planning