

- I. 0700-0750: Module 1 Program Overview and Introductions**
 - a. Definitions
 - b. Disclaimer
 - c. Susan Harwood Training Grant
 - i. General Grant Purpose
 - ii. Grant Details
 - d. OSHA Construction Focus Four Hazards
 - i. Constitute 90% of all construction fatalities.
 - ii. Falls from Elevations constitute 33% of all construction fatalities.
 - iii. Struck By constitutes 22% of all construction fatalities.
 - iv. Caught In/Between constitutes 18% of all construction fatalities.
 - v. Electrical Shock constitutes 17% of all construction fatalities.
 - e. Other Construction Hazards
 - i. Life Safety
 - ii. Confined Spaces
 - iii. Fire Protection
 - iv. Personal Protective Equipment
 - v. Bloodborne Pathogens Awareness
 - f. General Health and Safety Provisions
- II. 0750-0800: Break**
- III. 0800-0850: Module 2 Falls from Elevations**
 - a. Hazards
 - i. Floors
 - ii. Platforms
 - iii. Roofs
 - iv. Skylights
 - b. Eliminate Hazards
 - c. Personal Fall Arrest System (PFAS)
 - d. Warning Lines
 - e. Safety Monitoring
- IV. 0850-0900: Break**

V. 0900-0950 Module 3 Electrical Shock

- a. Hazards
 - i. Overhead power lines
 - ii. Power tools and cords
 - iii. Outlets
 - iv. Temporary wiring
- b. Ground Fault Circuit Interrupters (GFCI)

VI. Control of Hazardous Energy (Lockout / Tagout)

0950-1000: Break

VII. 1000-1050: Module 4 Struck By

- a. Hazards
 - i. Falling Objects
 - ii. Rigging Failure
 - iii. Loose or Shifting Materials
 - iv. Equipment Tip over or Malfunction
 - v. Lack of Overhead Protection
 - vi. Vehicle and Equipment Strikes
 - vii. Backing Incidents
 - viii. Workers on Foot
 - ix. Flying Objects
- b. Hazard Mitigation
 - i. What precautions can you take?
 - ii. Things you need to know to avoid getting struck.
- c. Materials Handling
- d. Personal Protective Equipment (PPE)

VIII. 1050-1100: Break

IX. 1100-1150: Module 5 Caught In/Between

- a. Hazards
 - i. Trench/Excavation Collapse
 - ii. Rotating Equipment
 - iii. Unguarded Parts
 - iv. Equipment Rollovers

- v. Equipment Maintenance
- vi. Rigging accidents
- b. Hazard Mitigation
 - i. How avoid pinch points.
 - ii. Be aware of your surroundings.
- c. Excavations
- d. Confined Spaces
- X. 1150-1300: Lunch Break**
- XI. 1300-1450: Module 6 Other Construction Hazards**
 - a. Life Safety
 - b. Confined Spaces
 - i. Beyond those discussed in the Caught In/Between program
 - ii. Similarities with Excavations
 - iii. Attic work
 - 1. Heat and cold issues
 - iv. Under-floor and Interstitial work
 - v. Underground Utility Vault work
 - 1. Atmospheres and environment
 - c. Fire Protection
 - d. Personal Protective Equipment
 - e. Bloodborne Pathogens Awareness
 - f. Any pertinent changes in the OSHA Regulations in the past 12-24 months
 - i. Steel Erection Standard
 - 1. Slip Resistance of Skeletal Steel Structures
 - ii. Roll-Over Protective Structures Standard
 - iii. Hexavalent Chromium Standard
 - iv. Assigned Protection Factors for the Respiratory Protection Standard
 - g. General Health and Safety Provisions
 - i. Changes in the last 12-24 months
 - 1. OSH Act
 - 2. 29 CFR 1903
 - a. Significant Citations

i. BP Products North America

1. September 22, 2005
2. \$21,361,500 in OSHA Fines
3. Texas City, Texas Facility
 - a. Explosion March 23, 2005
 - b. 15 Employee Fatalities
 - c. 170+ Employees Injured

3. 29 CFR 1904

4. Employer and/or Employee Rights & Responsibilities
5. Liability Issues
6. Multi-Employer Worksites
7. Competent Person

XII. 1450-1500: Break

XIII. 1500-1600: Program Wrap-Up

- a. Participants' Evaluation of Program
- b. Evaluation of Participants' Knowledge
- c. Adjournment