



## **M&A Safety Services**

512 Viaulet Road  
Youngsville, Louisiana 70592  
Main: 337-451-4685  
Fax: 337-451-5847  
[www.masafetyservices.com](http://www.masafetyservices.com)

### **Job Safety Analysis**

#### Course Outline

**Prerequisites:** This course shall have no formal pre-requisite.

**Course Length** – 4 hours - Course length shall vary depending on the number of delegates.  
Total course time includes breaks.

**Class Size:** The maximum number of delegates that may be trained and tested per instructor shall be thirty-five (35) in the classroom session.

#### **Course Objective**

- ) To provide delegates with the knowledge needed to analyze risks involved with job tasks
- ) Delegates will be able to understand how to determine the severity and probability of each risk and how to reduce them to acceptable levels
- ) Delegates will be able to understand the steps of writing a JSA and develop a JSA for specific jobs
- ) To identify control methods and evaluate their effectiveness

#### **Course Design**

- ) Power Point© / Lecture / Audio Video / Visual Aids

#### **Successful Course Completion**

- ) Requires a minimum score of 75% or better.
- ) Delegates will have no more than thirty (30) minutes to complete the exam.
- ) Grades shall be calculated by dividing the number of questions answered correctly by the total number of exam questions.

#### **Course Content Summary**

- ) Classroom

**Breaks:** 10 minutes (approximately every hour)

**Lunch:** 1 Hour (if applicable)



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#### Definitions

- ) Hazard Recognition
- ) Risk Analysis

The importance of hazard recognition and risk reduction

#### Types of hazards

- ) Unsafe condition
- ) Unsafe acts

#### Four Steps in Identifying a Hazard

- ) Selecting a job to be analyzed
- ) Breaking down the job into smaller tasks
- ) Identify hazards and potential accidents
- ) Develop solutions

#### Identify Sources of Energy

- ) Electrical
- ) Mechanical
- ) Hydraulic
- ) Pneumatic
- ) Thermal
- ) Residual/Stored
- ) Gravity
- ) Pressurized
- ) Chemicals

#### General Workplace Conditions

- ) Where to look
- ) What to look for
- ) Observation techniques
- ) Factors that increase risk

Review Common Hazard Recognition Examples

#### Stop Work Authority (SWA)

- ) Intervention
- ) SEMS II Requirements
- ) SWA Trigger Examples
  - o Carrying material while climbing



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- Not wearing proper PPE
- Not using handrails
- Improper Fall Protection
- Working without a permit
- Improper lifting techniques
- Environmental conditions
- Hazardous environments
- Etc...

- ) How to properly intervene
- ) Worker Responsibility

### **Risk Assessment**

- ) Hazard recognition and analysis
- ) How to identify workplace hazards
- ) Risk Assessment Matrix
- ) Risk Assessment Exercise 1
- ) Risk Assessment Exercise 2
- ) Risk Matrix
- ) Severity
- ) Probability

### **Job Safety Analysis (JSA)**

- ) What is a JSA
- ) Importance of a JSA
- ) JSA Flow-Chart
- ) How to perform a JSA
  - Identifying Job Steps
  - Identifying Potential Hazards
  - Identifying Solutions to Eliminate Hazards
- ) JSA sample questions
- ) JSA Training Guide handout
- ) JSA Exercise 1
- ) JSA Exercise 2

### **Practical Session**

- ) Group table top exercises

### **Training Center Provided Material**

- ) Course Materials

### **Student Requirements**



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