



## **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)

### **Rig Pass HSE Orientation**

#### Course Outline

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

**Course Length** – 8 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**

- Delegates will gain an awareness of the hazards encountered when working on oil & gas installations and the systems in place to control and mitigate those hazards.
- Identify main hazards, their risk, control, and consequences.
- Potential environmental impact of oil & gas operations.
- Identify key safety regulations and explain the concept of these regulations.
- Principles of managing safety on oil & gas installations.
- Alcohol and substance abuse policy.
- PPE requirements on oil & gas installations.
- Procedures for reporting incidents, accidents and near misses.

#### **Course Design**

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

#### **Successful Course Completion**

- Requires a minimum score of 80% or better.
- Delegates will have no more than sixty (60) 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
- Includes Safe Gulf & Safe Land

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

**Lunch:** 1 hour



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### **Course Outline**

#### **Section I - Safety & Environmental Management System (SEMS)**

- What is SEMS?
- Regulatory Agencies
- SEMS Compliance
  - Who is affected by SEMS?
  - Who is responsible for SEMS?
  - How are workers affected?
  - SEMS II Regulations
  - Management of Change (MOC)
  - Operating/Safe Work Practices
  - Training Requirements
  - Quality Assurance
  - Pre-Startup Review
  - Emergency Response
  - Incident Investigation
  - Audits/Recordkeeping

#### **Section II – Safety Principles**

- Behavior Based Safety
  - General Safety
  - Human Behavior
  - What is Behavior Based Safety?
  - Why Behavior Based Safety?
  - The Behavior Based process
  - Critical Behaviors and Barriers to Safety
  - At Risk Behaviors
- Drug & Alcohol Safety
  - General Policies
  - Drug & Alcohol Testing
    - Pre-employment
    - Post-Accident
    - Random
    - Reasonable Cause
    - Other (Pre-access)
  - Types of Drug Testing
  - Prescription/non-prescription drugs
  - Supervisor Responsibility

- Search & Seizures
- Personal Conduct
  - Discuss general good conduct
- Workplace Violence
- What is workplace violence?
  - Industry Statistics
  - Preventing workplace violence
  - Common forms of workplace violence
  - Reporting workplace violence
  - Prohibited workplace items
- Stop Work Authority
  - Intervention Examples
  - Things to consider when using Intervention
  - Employee Responsibility
- Job Safety Analysis (JSA/JHA)
  - What is a JSA?
  - Benefits of a JSA
  - Writing a JSA
  - Identifying Job Steps
  - Identifying Potential Hazards
  - Identifying Solutions to Eliminate Hazards
  - Pre-Written JSA's
- Housekeeping
  - Preventions
  - Employee Responsibilities
- Walking and Working Surfaces
  - Overview/Statistics
  - Floor Hole
  - Floor Opening
  - Stairway Floor Opening
  - Fixed Industrial Stairs
  - Ladder-way Floor Opening
  - Wall Opening
  - Open-Sided Floors and Platforms
  - Standard Guardrail System
  - Scaffolding
  - Scaffolding Safety
  - Portable Ladders
    - Portable Ladder Angle
  - Fixed Ladders
  - General Ladder Safety
- Incident Reporting and Investigation



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- What is an incident?
- Causes of Incidents
- Incident Reporting
- Incident Investigation

### **Section III – Rig & Platform Environment**

- Arrival Procedures
  - General Requirements
  - Safety Orientation
  - Station Bill
- Emergency Response
  - Types of alarms/sounds
  - Your actions and emergency exit requirements
- Other Warning Systems
  - Standard Sign Colors
  - Standard Symbols
  - Safety Labels
  - HAZCOM Labels
  - HMIS Labels
  - Visual Awareness
  - Barriers, orange cones, caution tape, etc...
- Living and Working
  - General Information
  - Simultaneous Operations

### **Section IV – Worksite Safety**

- General Worksite Requirements
  - Define general worksite hazards
  - Site Risk Assessment
- Working at Heights
  - Employee Responsibilities
  - Administrative Controls
  - Engineering Controls
- Confined Space
  - What is a confined space?



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- Atmospheric Hazards
  - Physical Hazards
- Hazardous Energy
  - Potential vs. Kinetic Energy
  - Lockout/Tagout
  - General Safety
  - Energy Control Plan
  - Energy Control Program
  - Lock Out/Tag Out Requirements
- Work Permits
  - Permit Requirements
  - Permit Information
  - Types of Permits
  - Confined Space
  - Hot Work
  - Other (critical lifts, working at heights, etc.)
  - Employee Responsibilities
- Hand Safety
  - Reasons for Hand Injures
  - Hand Hazards
  - Knife Injury Prevention
  - Alternative Cutting Devices
- Tool Safety
  - Power Tool Safety
  - General Tool Safety
- Material Handling
  - General Safety
  - Rigging Gear Requirements/Inspection
  - Housekeeping/storage
  - Communications
- Manual Material Handling
  - Common Back Injuries
  - Lifting Techniques – Leverage Zones
    - Green Zone
    - Yellow Zone
    - Red Zone



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- Have a Plan
- Body Lifting Mechanics
- Lifting a Load
- Carrying a Load
- Lowering a Load
- Pushing vs. Pulling
- Standing/Walking
- Sitting/Working
- Driving
- Sleeping
- Sources of Back Pain
- Reporting Back Pain
- Globally Harmonized System (GHS)
  - What is GHS?
  - HAZCOM Standard Requirements
    - Employee Right to Know
  - Regulatory Agenda
  - What should be harmonized?
    - Physical Hazards
    - Health Hazards
  - Impact of OSHA Requirements
    - Hazard Communication Standard
    - Labels
    - Safety Data Sheets
  - Sections (16) of Safety Data Sheets
  - HAZCOM Standard Requirements
    - Employer/Employee Responsibilities
    - HAZCOM Program
  - HAZCOM Labeling Systems
- Transport of Hazardous Materials
  - Steps to ensure compliance
  - Shipping Paper Retention
  - Emergency Response Information
  - Placarding Requirements
- Hazardous Material Release
  - HAZWOPER Response
  - Incident Reporting
  - Training Requirements
- Hazardous Atmospheres
  - Lead
  - Hydrogen Sulfide (H<sub>2</sub>S)
  - Carbon Dioxide



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- NORM
- Nitrogen

### **Section V - Personal Protection & Health**

- Personal Protective Equipment
  - PPE Requirements
  - Hazard Assessments
    - Employer/Employee Responsibilities
  - Head Protection
  - Eye and Face Protection
  - Hearing Protection
  - Foot Protection
  - Hand Protection
  - Respiratory Protection
  - Fall Protection
  - Protective Clothing
- First Aid
  - Emergency Response Procedures
  - First Aid Equipment
- Bloodborne Pathogens
  - General Information
  - Exposure Entry Points of Body
  - Recognize Potential Exposures
  - General Safe Work Practices
  - Personal Protective Equipment (PPE)/Decontamination
  - Exposure Incident Response
- Severe Weather
  - General Information
  - Types of adverse weather conditions
  - General adverse weather safety
- Health & Wildlife
  - Awareness of wildlife encounters on the job site

### **Section VI – Environmental Protection & Fire Safety**

- Environmental Protection
  - About Environmental Protection/Awareness
  - Waste Minimization/Pollution Prevention
  - Waste Reduction Planning
  - Waste Safety
  - HAZWOPER Response
  - Spill/Release Response
  - Containment



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- Chemical Handling
- Fire Safety
  - General Prevention
  - Chemical Storage
  - Common Fuels
  - Fire Triangle
  - 5 Classes of Fire
  - Types of Extinguishers
  - Emergency Response Plan
  - Evacuation
  - Employee Responsibilities

### **Section VII – Offshore Operations**

- Transportation
  - Arriving at Shore Base
- Helicopter Transportation
  - General Safety
  - Boarding
- Boat Transportation
  - General Safety/Station Bill
  - Personnel Transfer
  - Swing Rope
  - Personnel Basket
- Arrival at Worksite
  - Orientation/Station Bill
  - Emergency Action Plan
- Personal Floatation Devices (PFD's)
  - Type I PFD
  - Type V PFD
  - Aviation PFD
  - Type IV PFD
  - Life Floats
- Survival Crafts
  - Different Types/Uses
  - Survival Equipment
- Marine/Aviation Life Rafts
  - Operation/Boarding
  - Survival Equipment
- Search and Rescue (SAR)
- Security Awareness
- Marine Debris





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### **Section VIII – Onshore Operations**

- Land Transportation
  - Safe Vehicle Travel/Maintenance
  - Prohibited Actions
  - Driving Conditions
  - Arrival Procedures
- Excavation & Trenching
  - General Safety
  - Competent Person
  - Safe Work Practices
  - Access & Egress
  - General Hazards
  - Methods of Protection
  - Protection Systems
    - Sloping
    - Shoring
    - Shielding
- Pits and Ponds
  - About Pits and Ponds
  - Working safely around Pits and Ponds

### **Training Center Provided Material**

- Course Materials

### **Delegate Requirements**

- None

### **Reference Material / Documents**

BSSE 30 CFR 250.109 – 250.113

BSSE 30 CFR 250.490

DOT 49 CFR 171-179

Environmental Protection Agency (EPA)

National Fire Protection Association Codes and Standards

Offshore Operators Committee

OSHA 29 CFR 1910.22

OSHA 29 CFR 1910.95

OSHA 29 CFR 1910.101

OSHA 29 CFR 1910.120

OSHA 29 CFR 1910.132-133

OSHA 29 CFR 1910.134

OSHA 29 CFR 1910.138

OSHA 29 CFR 1910.145



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OSHA 29 CFR 1910.146  
OSHA 29 CFR 1910.157  
OSHA 29 CFR 1910.333  
OSHA 29 CFR 1910.1001  
OSHA 29 CFR 1910.1020  
OSHA 29 CFR 1910.1030  
OSHA 29 CFR 1910.1200  
OSHA 29 CFR 1910 Subpart E  
OSHA 29 CFR 1926.150  
OSHA 29 CFR 1926.200  
OSHA 29 CFR 1926.500-503  
OSHA 29 CFR 1926.1101