

## **Basic Orientation Plus Topics**

### **Process Safety Management (PSM)**

- Purpose
- Major Elements
- Roles and Responsibilities
- Training Requirements

### **General Safety**

- General Plant Rules
- Housekeeping
- Qualified, Authorized and Competent Persons
- In-plant Vehicle Operation
- Forklift Injuries
- Work Permits
- Signs, Signals and Barricades
- Safe Ergonomic Work Practices
- Bloodborne Pathogens

### **Hazard Communication (HazCom)**

- Employer Responsibilities
- Program Components
- GHS Labeling
- Safety Data Sheets

### **Personal Protective Equipment (PPE)**

- PPE Survey
- Hierarchy of Controls
- PPE Training elements
- Types of PPE
- Apply PPE to Suggested Hazards

### **Respiratory Protection**

- Respirator Purpose and Use
- Types of Respirators and Respiratory Hazards
- Requirements
- Consequences of Not Using Proper Protection

## **Hearing Conservation**

- Hearing Conservation Program Requirements
- Elements of a Hearing Conservation Program
- Effect of Noise on Hearing
- Purpose of Hearing Protectors
- When Hearing Protection is Required
- Advantages/Disadvantages of Various Types
- Audiometric Testing
- How to Insert Ear Plugs

## **Electrical Safety (non-qualified workers)**

- Non-qualified vs. Qualified Personnel
- Electrical Injuries
- Electrical Hazards at a Worksite
- GFCI's
- Warning Signs
- Methods of Protection

## **Lockout / Tagout**

- Types of Energy Sources that May require Isolation
- Common Hazards of Energy Sources
- Authorized, Affected and Other Personnel
- Steps of Lockout/Tagout
- Procedures and Responsibilities

## **Fall Protection**

- Factors to Consider
- Ladder Safety
- Four Methods of Fall Protection
- Parts of a Personal Fall Arrest System

## **Scaffolding**

- Scaffold Hazards
- Categories of People who Work With Scaffolding
- Four Main Types of Scaffolds
- Recommended Safety Practices

## **Excavation, Trenching and Shoring**

- Hazards Associated with Trenches and Excavations
- Main Methods of Protection
- Factors that Pose Hazards to Workers and Methods of Control
- Role of the Competent Person
- Egress Points

**Job Safety Analysis (JSA)**

Purpose and Function of JSA  
Benefits of JSA  
Risk Assessment  
Steps of a JSA  
Employer and Employee Responsibilities  
Scenario

**Emergency Action Plans (EAP)**

Reasons for an EAP  
Components of an EAP  
Reasons to Evacuate  
Responsibilities during an Evacuation  
Types of Alarms

**Fire Prevention**

Fire Prevention vs. Fire Protection  
Stages of a Fire  
Elements Needed for Fire to Occur  
Elements of a Fire Prevention Plan  
Classes of Fires and Fire Extinguishers  
PASS Method of Extinguishing a Fire