



Fire Security, Loss Prevention & Emergency Management



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Introduction:

Do you as a manager fully know what security measures and emergency planning processes you have in place? In a management or supervisory role you need to convince your clients, colleagues and staff you have the expertise and these procedures in place. This program provides the essential abilities with a detailed concentration on managing a controlled exercise. The benefit of this role is critical to managers, supervisors and administrators who may have to pro-actively prepare for and possibly manage the unexpected.

Who Should Attend?

EH&S personnel, Managers and supervisors of security or emergency management, Managers and supervisors who require to initiate and monitor security and emergency management procedures, Personnel managing administration of assets or logistics

Course Objectives:

By the end of this course, delegates will be able to:

- Provide expertise to manage the health and safety process
- Complete supervised exercises in health and safety documentation development
- Provide expertise to complete and manage risks assessment
- Provide expertise to investigate and analyze safety statistics
- Monitor safety process and undertake audits

Course Outline:

Hazards in Various Industries

- Lessons from Past Accidents
- History of Fires & Explosions
- Hazards in Process Systems – Separation, Liquefaction, etc.,
- Hazards in Compressor Stations & Pipeline Transportation
- Consequences of Spills & Leaks
- Major Effects from Chemical Accidents





- Types of Fires & Explosions
- Toxic Gas Dispersion

Working in Hazardous Areas: Basic Safety Procedures

- Workplace hazards & Component Inspections
- Safe Working Practices
- Identification of Flammable & Combustible Material/ Chemical Hazards
- Protocol for Identifying Hazardous Material
- Use of Permits and Procedures in Critical Areas
- Devising Procedures & Checklists
- Basic First Aid – Assessment of Breathing
- Control of Shock, Burns Etc.,

Advanced Safety Systems & Techniques

- Hazard Identification Process
- Results from Hazard Identification Procedures
- Goal of Hazard Identification
- Necessity for Hazard Identification & Procedure
- Risk Assessment Procedure
- Hazardous Area Classification in Industrial Plants
- Selection of appropriate technique
- Identification of Critical Equipment
- Safety System Performance Considerations

Hazard Prevention & Control Measures

- Safety Inspection and auditing Incident Reporting
- Importance of Accident Investigation & Reporting
- Failure Sequences
- Classification of Causes
- Accident Prevention
- Elements of Incident Investigation
- Reporting for Near-Misses & Accidents
- Handling Spills/ Leaks of Chemicals
- Maintenance of Equipment in Hazardous Areas
- Safety Availability & Reliability
- Protection of Equipment





- Safety of Electrical Equipment

Emergency Response Management

- Identifying the Key Components of a Safety Management System (SMS)
- Emergency Control
- Team and Personnel Training
- Investigation
- Safety Management Systems
- Planning for Efficient Emergency Response and Crisis Management
- Establishing a Major Accident Prevention Policy
- Incident Develop or Crisis
- Methodology – Risk Based Scenario Reviews
- Responding to the Emergency
- Activating Emergency Response Plans
- Undertaking Crucial Decision
- Contracting out Emergency Process
- Choosing the Right Contractor
- Back up Resources Required

Loss Prevention Policies & Procedures

- Risk Reduction & Control Program
- Hierarchy of Controls
- Safety Management Systems
- Safety a New Perspective
- Risk Based Safety Culture
- Measuring Safety culture
- System Safety and Role of communication

