

FIRE PREVENTION PLANNING & CONTROL POLICIES

HSE062

COURSE DESCRIPTION

This training course is designed to provide a comprehensive understanding of fire safety principles, practical strategies for fire prevention, and effective planning for fire emergencies. Over five days, participants will engage in in-depth discussions, hands-on exercises, and case studies to develop and implement robust fire safety policies that protect personnel, assets, and ensure regulatory compliance. This course is essential for anyone responsible for fire safety in their organization.

COURSE GOAL

To enhance participants' knowledge, skills, and abilities necessary to develop, implement, and manage effective fire prevention, planning, and control policies within their organizations. The training will empower attendees to pro-actively safeguard lives, protect property, and ensure compliance with regulatory standards, thereby fostering a safer working environment for all.

COURSE OBJECTIVES

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

- Understand the fundamental principles of fire dynamics and behavior.
- Identify and assess fire hazards and risks in various environments.
- Develop and implement effective fire prevention and control strategies.
- Create comprehensive fire emergency response plans.
- Ensure compliance with fire safety regulations and standards.
- Educate and train personnel on fire safety practices and emergency procedures.

WHO SHOULD ATTEND

This training course is ideal for:

- Fire engineers
- Health and safety managers
- Facility managers
- Fire safety officers
- Risk management professionals
- Emergency response team members
- Supervisors and team leaders responsible for workplace safety
- Employees with fire safety responsibilities

COURSE DURATION

5 Working Days

COURSE OUTLINES

1. Introduction to Fire Safety and Fire Dynamics

- Overview of fire safety principles
- Historical perspective on significant fire incidents
- Basic fire science and the fire triangle: fuel, heat, oxygen
- Stages of fire development and behavior
- Factors influencing fire spread and intensity

2. Identifying Fire Hazards and Risks

- Common fire hazards in different environments
- Electrical hazards: identification and mitigation
- Chemical hazards: safe handling and storage
- Storage hazards: best practices
- Conducting comprehensive fire risk assessments
- Labeling Hazard rating Systems

3. Fire Prevention Strategies and Suppression Systems

- Housekeeping and maintenance for fire prevention
- Control of ignition sources
- Implementing and enforcing smoking policies
- Hot work permits and safe practices
- Overview of fire suppression technologies:
 - Automatic sprinkler systems
 - Portable fire extinguishers: types and uses
 - Specialized suppression systems (e.g., foam, gas)
- Installation and maintenance of fire detection systems:
 - Smoke detectors
 - Heat sensors
- Regular testing and inspection protocols

4. Developing Fire Emergency Response Plans

- Components of an effective emergency response plan
- Designing evacuation procedures and routes
- Roles and responsibilities of emergency response teams
- Establishing and maintaining communication protocols during emergencies
- Conducting and evaluating fire drills and evacuation exercises
- Record-keeping and documentation for compliance

5. Training, Education, and Special Considerations

- Importance of ongoing fire safety training for all employees
- Designing and implementing effective fire safety training programs
- Specialized training for emergency response teams
- Promoting a culture of safety and continuous improvement
- Fire safety in high-risk environments:
 - Industrial settings
 - Healthcare facilities
 - Construction sites
- Storage and warehousing
- Case studies and best practices:
 - Analysis of real-life fire incidents
 - Lessons learned and implementation of preventive measures
 - Benchmarking against industry best practices
- Practical exercises and assessments:
 - Conducting fire risk assessments
 - Developing and evaluating fire emergency response plans
 - Simulation exercises and role-playing scenarios
 - Knowledge assessments and quizzes

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