

FIRE SAFETY HAZARD AND CONTROL HSE063

COURSE DESCRIPTION

Over 150 major fires occur in workplaces on an annual basis. Fire is the third leading cause of accidental deaths in the United States. The Occupational Safety and Health Administration (OSHA) estimates that most of these accidents can be prevented if proper safety precautions at job sites are initiated. This poses a serious problem for exposed workers and their employer. Workplaces are evaluated, safety procedures implemented, and that the proper fire prevention information is transmitted to all affected workers.

COURSE GOAL

To enhance participants' knowledge, skills, and abilities necessary to be equipped with basic knowledge of the theoretical and practical aspects of Fire Safety Hazard and Control.

COURSE OBJECTIVES

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

- Understand the explosion hazards associated with gas, vapors and dust and learn how to safely protect and mitigate them.
- State the basic principles of the theory of combustion.
- Understand the different types of extinguishers and classification of fire.
- Develop an awareness and understanding of maintenance and records pertaining to fire safety.
- Understand the emergency planning process.
- Perform effective search and rescue operations.

WHO SHOULD ATTEND

- All employees
- Safety Specialists & Engineers
- Fire and Safety Operators.

COURSE DURATION

5 Working Days

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COURSE OUTLINES

1. Fire Hazard and Causes of Fire

- Theory of burning and fire.
- Fire classification types.
- Fire extinguisher types and other fire equipment.
- Upper and lower explosive limit.
- Fire detectors and alarms.
- Emergency and fire drill.

2. Safety and Fire Hazard

- Electrical hazard as a source of fire.
- Welding & cutting hazard as a source of ignition.
- Other sources of ignition and heat.
- Theory of fighting the fire.
- Safety hazards control – work permit, operational manuals, PP E, warning signs.

3. Safety and Risk Management

- Identify the hazard and risks
- Assess the risk.
- Risk matrix.
- Risk control.
- Safety management system.

4. Portable Fire Suppression Equipment

- Fire Brigades.
- Portable Fire Extinguishers.
- Standpipe and Hose Systems.
- Fixed Fire Suppression Systems.

5. Employee Alarm Systems.

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