Fire Safety & Sprinkler System

Effective troubleshooting and maintenance skills will significantly mitigate the risk of an automatic sprinkler system failure. This course will provide the participant with the information needed to maintain, troubleshoot, and ensure proper testing of the system by internal employees or vendors. Additional training is provided on applicable OSHA and NFPA requirements for fire prevention. Engineers, supervision, managers, safety personnel, and those responsible for ensuring a safe work environment should attend this course. This course is supplemented with a walk down of the location’s system with participants.

Duration: 8 or 16 Hour Program

Basics of loss prevention
What is risk
How common factors affect losses

NFPA 13 – Sprinkler Systems
Value of sprinklers
Types of systems
Changes to building

NFPA 25 – Inspection, Testing and Maintenance of Water Based Extinguishing Systems
Purpose and scope
Inspection, Testing & Maintenance Frequencies
Wet pipe/Dry pipe
Deluge and Pre-action systems
Cold weather
Trip tests & Documentation
Repairs and follow up
Supervising contractors
Sprinkler system impairments

Water Supplies for Fire Protection
Adequacy
Reliability
Sources
Water supply testing and evaluation

Fire Pumps
Types of pumps and drivers
NFPA 25 and ITM of fire pumps
Electric fire pumps
Diesel fire pumps
Annual pump tests and evaluation
Documentation
Repairs and follow up

Flammable liquids
Hazards of flammable liquids
NFPA 30 requirements overview
Storage rooms
Handling rooms
Transportation within the plant
Flammable liquids cabinets

16 hour course includes all above topics with additional in depth discussion on the following:

NFPA 25 Wet Pipe System Requirements – Types of valves, main drain tests
NFPA 25 Dry Pipe, Pre Action, and Deluge Systems – Water delivery times, types of valves
VESDA - What is VESDA, How does it work, alert and alarm points OSHA requirements
Emergency Plans - Fire prevention plans, Emergency action plans, Summary of OSHA and NFPA requirements

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