

Fire Safety & Suppression Systems Workshop

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 inspection, maintenance and testing. Supervision, managers, safety personnel, and those responsible for ensuring a safe work environment through testing and maintenance of fire suppression systems should attend this course. This course will be held offsite at Delaware Technical College in Newark, DE. It will incorporate the use of the onsite fire protection laboratory where participants will use a fully integrated and operational riser system equipped with various valves.

Duration: 3.5 Days

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
Trip tests & Documentation
Main drain testing
Repairs and follow up
Supervising contractors
Sprinkler system impairments

Emergency Plans

Fire prevention plans
Emergency action plans
OSHA and NFPA requirements

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

VESDA

Basic operations
Troubleshooting
Alarm Points