

Flammable Liquids & Gas Fires Z HSE-05

Duration :

Four Days 24 Hours

Who Should Attend :

Staff of security & safety department staff of environmental department and employees of industrial and petroleum and industrial organizations

Language :

Arabic, English



Overview :

The objective of this course is to cover the fires of flammable liquids and gases. The topics are selected so as to fit the needs of the oil sector chemical sector and its different industries Examples of the topics are: fighting oil-well fires tank fires, LPG fires, NG emergencies, spill and pool fires. Fire alarms and automatic detection system are also introduced. Foam: types generation and its systems are also covered Finally, a case study of a complete fire fighting system for an oil company is presented and discussed Multimedia (Audio-Visual) is used in delivering the course material

Topics :

- Introduction
- Flammable & combustible liquids
- Spill & pool fires
- Tank fires: vertical – horizontal – tank truck- railroad cars Break in transportation lines
- Explosions, types & characteristics
- Crude – oil tank fires
- Boil over & slop over of crude oil
- Heat wave characteristics
- Flammable gas emergencies NG & LPG
- Fire incidents of flammable gas
- Tactics for oil – well fires: used and suggested
- Fire alarm initiating devices
- Fire alarm signalling systems
- Foam: types, generation & systems
- Fire department calculations according to ISO and NFPA (computer application)
- Fire fighting system for an oil company: case study
- Hydraulic design and system requirements according to international codes: case study