

FOAM FIRE PROTECTION ENGINEERING SEMINAR



November 2 - 4, 2022 at TEEEX Brayton Fire Training Field

Day One

- 8:00 - 8:45 Opening remarks
TEEX fire field instructional
Firefighting foam changing legislation
- 8:45 – 10:15 How foam works
Types of foam – synthetic fluorine free and fluorinated foam concentrates
Physical properties of foam and foam solution
- 10:15 – 10:30 Break
- 10:30 – 12:15 Foam qualities
Alcohol resistant foam demo
Foam drainage demo
- 12:15 – 1:00 Lunch
- 1:00 – 1:45 Legacy foam fixed system conversion process to synthetic fluorine free foam
- 2:00 – 5:00 Fire field props
 Sprinkler system demo
 Bladder Tank construction
 UL 162 live fire test
 Foam expansion demo

Day Two

- 8:00 – 10:00 Proportioner
 Pumps
 Tanks
- 10:00 – 10:15 Break
- 10:15 – 12:15 Piping
 End of line devices
 Putting it all together
- 12:15 – 1:00 Lunch
- 1:00 – 2:00 NFPA 11
 Foam
 Equipment
 Storage Tanks

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2:00 – 2:15 Break

2:15 – 5:00 Fire field

- Foam chamber disassembly
- Oscillating monitor demo
- Vacuum eductor backpressure vs performance demo
- Foam chamber live seal fire demo
- Foam chamber live full surface tank fire demo

Day Three

8:00 – 10:00 NFPA 16, 30

- Foam
- Equipment
- Warehouse and loading racks

NFPA 409

- Foam
- Equipment
- Aircraft Hangars

10:00 – 10:15 Break

10:15 – 11:30 NFPA 25

- System testing
- System maintenance
- Bladder replacement

11:30 – 12:00 Large tank live fire extinguishment type 3 direct/over the top demo

12:00 – Seminar conclusion