



Viking Seminar Information Sheet

Applications of Foam Standards

Foam Fire Protection Systems

Seminar Description:	This program focuses on the application of foam system design as it relates to specific hazards. This course includes a curriculum that involves calculations and is ideal for sales team members, designers, and other individuals looking to understand foam system sizing. Course occurs entirely in the classroom setting.
Duration (Days):	1
Total Instructional Minutes:	420 minutes / 7 hours
Seminar Format(s):	Lecture and activity
Participation Materials:	Participant activity handouts & digital tools
Learning Outcomes:	Upon completion of this seminar the attendee will be able to: <ul style="list-style-type: none">■ List the applicable NFPA standards involving foam■ Verbalize what components compile a listed/approved foam system■ Describe foam system options by standard type■ Use digital tools to select the appropriate system for the occupancy where applicable■ Demonstrate how to locate proper application densities■ Describe how to develop system demands by application■ Describe how to size foam system concentrate supplies
Assessment Method(s):	Activity participation and presentation

Module 1: NFPA 11 – Standard for Low, Medium and High Expansion Foam

Duration	120 minutes
Learning Outcomes:	At the conclusion of this module participants will be able to: <ul style="list-style-type: none">■ Describe and discuss the various foam systems■ Identify and discuss the fire protection approaches as it relates to sprinklers, tanks, and diked areas■ Determine the applicable systems■ Determine concentrate supply size(s) and device locations
Delivery Methods:	
Activity Description:	Presentation and activity
Assessment Method(s):	Scenario based Participation

Module 2: NFPA 418 - Helipads

Duration	90 minutes
Learning Outcomes:	At the conclusion of this module participants will be able to: <ul style="list-style-type: none">■ Describe and discuss the various heliport categories■ Identify and discuss the fire protection approaches■ Determine the applicable systems■ Determine concentrate supply size(s)
Delivery Methods:	Presentation and activity
Activity Description:	Scenario based
Assessment Method(s):	Participation

Module 3: NFPA 409 - Aircraft Hangars

Duration	120 minutes
Learning Outcomes:	At the conclusion of this module participants will be able to: <ul style="list-style-type: none">■ Describe hangar groups and possible protection approaches■ Use digital tools to select the appropriate system for the occupancy where applicable■ Compare fire protection approaches with the applicable hangar groups
Delivery Methods:	Presentation and activity
Activity Description:	Scenario based
Assessment Method(s):	Participation

Module 4: NFPA 30 - Flammable and Combustible Liquid Storage

Duration	90 minutes
Learning Outcomes:	At the conclusion of this module participants will be able to: <ul style="list-style-type: none">■ Describe protection approaches as outlined in the applicable tables■ Use digital tools to select the appropriate system for the occupancy where applicable■ Compare fire protection approaches with the applicable hangar groups
Delivery Methods:	Presentation and activity
Activity Description:	Scenario based
Assessment Method(s):	Participation

