

Seminar Title: Sprinkler Protection of Storage

Seminar Description: Storage occupancies present a unique challenge to sprinkler system design and installation. NFPA 13 has complex and varying rules for the protection of stored commodities. This fast paced and interactive seminar will explore these requirements as they are related to various types of commodities, storage configurations and special storage situations. The participant will be guided through a series of decisions and requirements that lead to compliance with NFPA 13 and ensure the system will operate properly when needed. It is recommended that participants bring a copy of NFPA 13 to class.

Total Instructional Time: 16 Contact Hours

Learning Outcomes: At the conclusion of this seminar, participants will be able to:

1. Recognize the basic differences among commodities in accordance with NFPA 13.
2. Identify the general parameters used in the storage of all commodities in accordance with NFPA 13, including Class I-IV commodities, Plastics, mixed commodities, & idle pallets.
3. Recognize the method of determining classifications for unknown commodities.
4. Discuss how the classification of a commodity can be affected by its storage on different type pallets
5. Identify & discuss definitions and rules that apply to all storage arrangements, including the storage of idle pallets & high ceiling rules.
6. Recognize and discuss the basic purpose of Miscellaneous storage, its proper usage, and apply the appropriate rules for protection of those areas for various arrangements using various type sprinklers.
7. Discuss the definitions and rules specific to the general storage of commodities.
8. Apply the various rules to examples of General storage arrangements by applying basic design criteria for various arrangements using various sprinklers.
9. Discuss the definitions and rules specific to the Rack storage of commodities.
10. Apply the various design rules to examples of Rack storage arrangements by applying basic design criteria for various arrangements using various sprinklers.
11. Discuss the definitions and rules specific to the storage of Rubber Tires, Rolled Paper, & other Special Type Storage arrangements.
12. Discuss the various basic design rules or the protection of Rubber Tires, Rolled Paper, & other Special Type Storage arrangements.
13. Use the storage reference sheets to apply specific design criteria to various storage arrangements of various commodities stored in various arrangements.

Seminar Format(s): Lecture, Discussion, Group & Individual Activities

Participant materials: NFSA Storage Reference sheets, Participant Guide

Assessment Method: In-class participation, including practice exercises