



Fire Service Training Update

Gary Keith, Vice President
Engineering Standards Manager

FM Global

- Mutual Property Insurance Company – 1835
- 250 Standards
- Technically-Based:
 - Research
 - Engineering Standards
 - FM Approvals



Agenda

- Fire Service Training & Outreach
 - Fighting Fire in Sprinklered Buildings (update)
 - Fire Service Training Grants (***new since we last met***)

Objective

The program is intended to improve the effectiveness of firefighters responding to incidents in sprinklered buildings.



Purpose

Automatic sprinklers are an important line of defense when fighting a fire. Yet, sprinklers are sometimes not able to successfully control or contain a fire.

The purpose of the *Fighting Fire in Sprinklered Buildings* program is to provide firefighters with a greater understanding of why these incidents occur and how to help prevent them. Understanding how automatic sprinklers work and how to develop a sound pre-incident plan will improve the effectiveness of fireground operations.

Warehouse Fires & Pre-Fire Planning

“What could be the most challenging warehouse fire?”

Warehouse Fires & Pre-Fire Planning

- “The Controlled Fire”
 - Sprinklers working effectively
 - Reduced visibility
 - Difficult to ventilate
 - Warehouse layout & difficult interior operations
 - Exact location of the seat of the fire
 - Coordinating sprinkler operation with manual suppression



Our Plan

- Revise and update current content
- Develop more robust Pre-Incident Planning module
- Include case studies
- On-line delivery
- Update photos & graphics
- Add future modules to build on FFSB

Initial Delivery

1. Why sprinklered buildings burn?
2. Automatic sprinkler systems (**Fire Pumps & Valves**)
3. Developing a pre-incident plan for a protected property
4. First due operations at sprinklered properties

Phase 2

5. Case studies – success and failure
6. Post-incident operations in sprinklered facilities
7. Command considerations at sprinklered buildings
8. Advanced pre- incident planning for senior fire officers

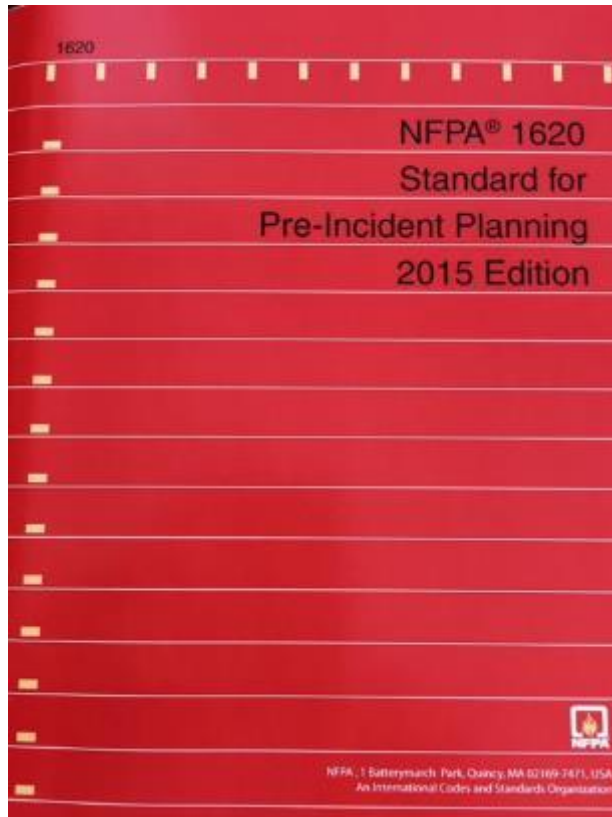
Phase 2

9. FD operations at fires involving multiple companies
10. Safety considerations at sprinklered buildings
11. Investigation of incidents at sprinklered properties
12. Sketch drawing for pre-incident plans
13. Wearing two hats: pre-incident planning vs. code enforcement

Pre-Incident Planning

- Activity available now: www.fmglobal.com/fireservice
- Pre-Incident Plan Checklist and Worksheet

Warehouse Fires & Pre-Fire Planning



- NFPA 1620
 - Standard for Pre-Incident Planning

Warehouse Fires & Pre-Fire Planning

FM Global
Property Loss Prevention Data Sheets

10-1

January 2001
Revised May 2003
Page 1 of 5

PRE-INCIDENT PLANNING WITH THE PUBLIC FIRE SERVICE



- FM Global Data Sheet 10-1
 - Pre-Incident Planning with the Public Fire Service

Launch Plan

- On-line delivery
- Targeted audience:
 - State & Metro Fire Academies
 - National Fire Service Conferences
 - Clients
- Continue to add modules to keep content fresh

Timeline

- Script and Content Developed
- Filming Q3/Q4 – 2017
- Initial Release Q1 – 2018
- Metro Fire Chiefs Conference – May 8, 2018

Contact

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New for 2017

- FM Global
Emergency Response
Consultants – Rome,
Georgia
- 3-day training session
- All expenses paid



Training Agenda

- Interior structural firefighting techniques for industrial occupancies
- Ignitable liquids/gases firefighting & protecting the exposures
- Fire protection systems
- Pre-Incident Planning
- *Fighting Fire in Sprinklered Buildings*

Metro Training Attendees:

- Charlotte Fire Dept
- Chesterfield Fire and EMS
- Columbus Division of Fire
- Dallas Fire Rescue
- Greensboro Fire Department
- Houston Fire Department
- Indianapolis Fire Department
- Long Beach Fire Department
- Louisville Fire Department
- Memphis Fire Department
- Mississauga Fire & Emergency Services
- San Antonio Fire Department
- Winnipeg Fire Paramedic Service



