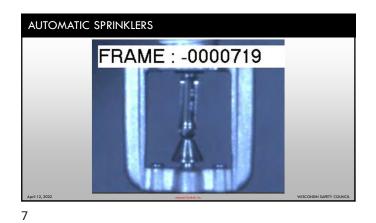


# AUTOMATIC SPRINKLERS

A fire suppression or control device that operates automatically when its heat-activated element is heated to its thermal rating or above, allowing water to discharge over a specified area.

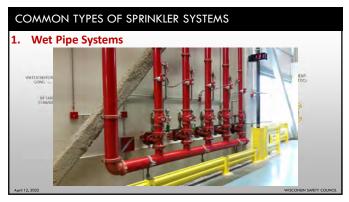


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# COMMON TYPES OF SPRINKLER SYSTEMS

1. Wet Pipe Systems

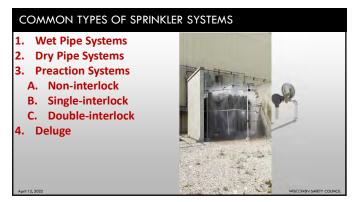
2. Dry Pipe Systems

3. Preaction Systems

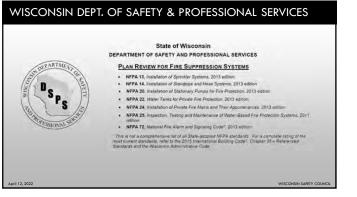
A. Non-interlockB. Single-interlock

C. Double-interlock

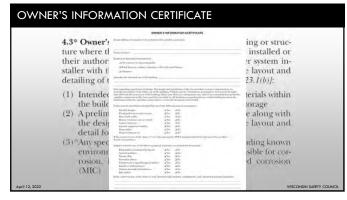


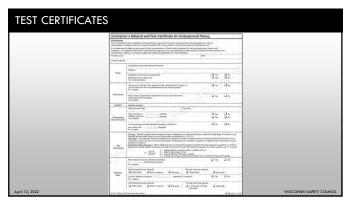


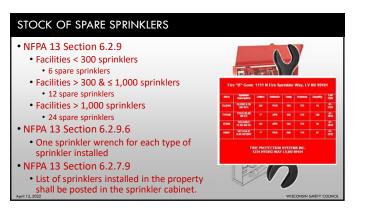


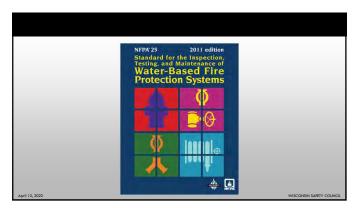




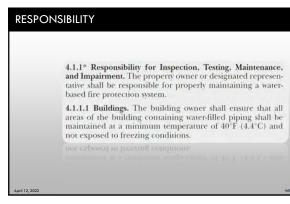




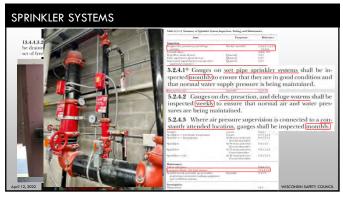




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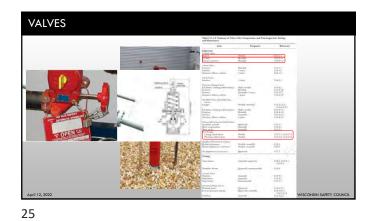
RECORDS		
	4.3 Records.	
	4.3.1* Records shall be made for all inspections, tests, and main- tenance of the system and its components and shall be made available to the authority having jurisdiction upon request.	
	4.3.2 Records shall indicate the procedure performed (e.g., inspection, test, or maintenance), the organization that performed the work, the results, and the date.	
	4.3.3* Records shall be maintained by the property owner,	
	4.3.4 As-built system installation drawings, hydraulic calcula- tions, original acceptance test records, and device manufac- turer's data sheets shall be retained for the life of the system.	
	4.3.5 Subsequent records shall be retained for a period of I year after the next inspection, test, or maintenance of that type re- quired by the standard.	
April 12, 2022		WISCONSIN SAFETY COUNCIL

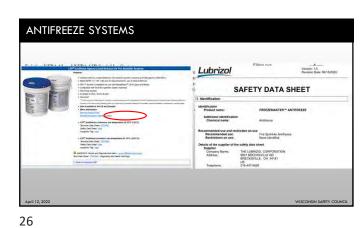



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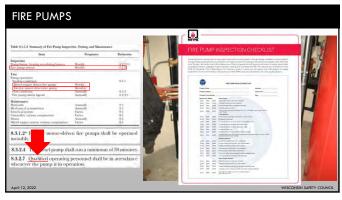










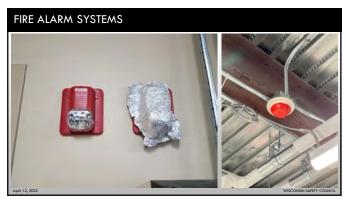


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# GENERAL ELECTRIC

### • April 3, 2015

• Louisville, KY • 700,000 ft<sup>2</sup> warehouse

- Estimated \$110 million in damages
- 8 at the scene

conditioners

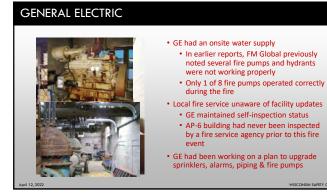
• 6 at the burn center

• Electrical failure or lightning strike • Originally used to manufacture air



- At the time of the fire, 85% of the building was used for storage
  12-foot-high solid pile storage
  24-foot-tall single- and double-row racks
- April 12, 2022





## CHEMTOOL INCORPORATED

- June 14, 2021
- Rockton, IL
- 5-day evacuation for residents within 1 mile
   Scissors lift accident –
- "sufficient mechanical force to cause the release of mineral oil" • 2 firefighters suffered

minor injuries

le al "

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April 12, 2023

