



**ILLINOIS  
FIRE  
PREVENTION  
ASSOCIATION**  
720 Heartland Dr. unit "P"  
Sugar Grove, IL. 60554

**President** Dave Cobian  
P: 847-623-9059 F: 847-623-9065  
**Vice President** Bob Modica  
P: 773-617-8104  
**Secretary** Vince Rodriguez  
P: 630-392-4498 F: 866-950-2739  
**Treasurer** Brian Johnstone  
P: 630-335-6767  
**Association Administrator**  
Scott Sandfox

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**MEETING MINUTES  
ILLINOIS FIRE PREVENTION ASSOCIATION  
February 9th, 2010**

**Location:** Glendale Lakes Golf Club  
1550 President Street  
Glendale Heights, IL 60139  
630-260-0095

**Attendees:** Available Upon Request

Meeting was called to order at 7:45 pm by IFPA President David Cobian.

**ACCEPTANCE OF MINUTES**

Secretary of the association Vincent Rodriguez provided the meeting minutes from the January 12<sup>th</sup>, 2010 meeting. A motion to accept was made by Daniele Sandfox and seconded by Brett Scharpenter.

**TREASURER REPORT**

N/A

**COMMITTEE REPORTS:**

**NFPA 20-Report**

Brett Scharpenter informed the membership that the "TIA" (tentative interim amendment) was accepted. However, this should not affect Sprinkler Contractors, as it pertains to Fire Pump Controllers and the wiring of them.

**I HAVE PROVIDED THE INFORMATION BELOW REGARDING THE SAID "TIA", AND WHAT IT COVERS.**

**NFPA 20-2010**

*Standard for the Installation of Stationary Pumps for Fire Protection*

**TIA Log No. 976**

**Reference:** 5.8 (New)

**Comment Closing Date:** December 18, 2009

**Submitter's:** Technical Committee on Fire Pumps

*1. Add a new 5.8 as follows:*

**5.8 Protection of Control Wiring for Pumps in Series.**

**5.8.1\*** Interconnect control wiring of pumps in series which are not located in the same room and which affects

starting of the supply (lower zone) pump(s) shall be protected against fire and physical damage in the same

manner as power conductors described in NFPA 70, Article 695.

**A.5.8.1** The following methods should be considered acceptable:

(1) Be encased in a minimum 50 mm (2 in.) of concrete(2) Be protected by a fire-rated assembly listed to

achieve a minimum fire rating of 2 hours and dedicated to the fire pump circuit(s) (3) Be a listed electrical

circuit protective system with a minimum 2-hour fire rating (4) Be protected by a listed fire-rated assembly that

has a minimum fire rating of 2 hours and contains only emergency alarm and/or control wiring circuits

dedicated to fire pumps or emergency systems generators or legally required generators, and no power wiring

circuits

**5.8.2** The motor on the supply (lower zone) pump(s) shall start on the opening of the control circuit (remote

start) loop.

**5.8.3** The installed controllers shall meet the requirements of 10.5.2.5 and/or 12.7.2.4 as applicable.

**Substantiation:** As a result of the floor action at the NFPA Technical Session the paragraph that would have

required all high-rise pumps in series to be located within the same fire pump room was returned to the

Committee and therefore deleted from the Standard. The Technical Committee addressed the need for

protection of control wire installations by requiring all series fire pumps in high-rises to be located within the

same fire pump room. The Committee did not contemplate any additional needs for control wire protection. The

Standard as it exists does not contain any requirements for the protection of this critical wiring. Failure of this

wiring could prevent lower zone pumps from starting when needed to supply building fire protection systems.

This could also result in failure of the higher zone pumps. The task group considered that each controller has an

independent pressure switch, however there are certain conditions where the low zone pump pressure switch

may be satisfied even though there may be an upper level water demand.

Also note that high zone pumps won't just cavitate in the absence of suction water; but, will run dry destroying them in short order and preventing any manual intervention. This will leave some high zones with out any fire protection, particularly those which are above the pumping ability of the local fire department. Since the building will already have a significant amount of 2 hour protected wiring already for the fire pump power supplies and for alarm and enunciator systems the added requirement to protect the controller wiring would not be difficult to achieve.

**Emergency Nature:** In accordance with the NFPA Regulations Governing Committee projects Section 5.2, this TIA is of an emergency nature because the document contains an omission that was a result of the floor action at the NFPA Technical Session. In addition the proposed TIA intends to offer to the public a benefit that would lessen a recognized (known) hazard or ameliorate a continuing dangerous condition or situation.

#### **Trade Show Follow up**

Danielle Sandfox informed the membership of the CEU classes being provided (Martin Pabich of U/L and Cecil Bilbo of The Academy of Fire Sprinkler Technology) at the show. Also, informed the membership that product display booths are still available, so please submit your applications and fees. Danielle Sandfox informed the membership that we (IFPA/SFPE) are in need of volunteers for the show. Danielle also provided copies of the CEU class registration form as well as Exhibitor Applications for the show.

**MEETING WAS ADJOURNED (Motion was accepted by Bob Modica and seconded by Harold Miller)**

Meeting minutes will be posted on the website for membership viewing.

Thank you,

Vincent Rodriguez

Secretary



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