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MEMORANDUM

To: NFPA Technical Correlating Committee on Automatic Sprinkler Systems

From: Jeanne Moreau

Date: July 13, 2010

Subject: NFPA 13 Proposed Tentative Interim Amendment (TIA) No.998

The Technical Committee on Residential Sprinkler Systems has been balloted on proposed TIA 998, submitted by Ken Isman and endorsed by Mike Friedman. A copy of the proposed TIA and the final results of the TC balloting are posted to your ECommittee Page.

This proposed TIA is now being submitted to you for letter ballot. In addition to being balloted on the **correlating issues** of the proposed TIA, the Committee is also being balloted on whether or not this matter is of an **emergency nature**. Disagreeing votes are limited to subjects within the purview of the TCC. Opposition on a strictly technical basis is not sufficient grounds for substantiating a disagreement vote. If you do have correlation issues please identify and describe your concerns. Please see Section 5 (copy enclosed) regarding the processing of TIAs from the NFPA Regulations Governing Committee Projects.

Please complete and return the attached letter ballot to Jeanne Moreau either via email to jmoreaucorreia@nfpa.org or via fax to 617-984-7110. **Ballots are due on Friday, July 16, 2010.**

This proposed TIA 998 has been published for public comment in the June 24, 2010 issue of *NFPA News* with a Public Comment Closing Date of July 23, 2010. Any public comments received will be circulated to the committee. The Standards Council will consider the issuance of this TIA at their August 3-5, 2010 meeting.

Note: Please remember that the return of ballots and attendance at committee meetings are required in accordance with the NFPA Regulations Governing Committee Projects.

Attachments: Ballot Form
Proposed TIA

TECHNICAL CORRELATING COMMITTEE
LETTER BALLOT
PROPOSED TENTATIVE INTERIM AMENDMENT LOG NO. 998
Adding 7.6.1 and renumber accordingly to the 2010 Editions of NFPA 13,
Standard for the Installation of Sprinkler Systems

Question 1: I agree that there are no correlation issues in accordance with 3.4.2 and 3.4.3 (copy enclosed) of the NFPA Regs.

_____ **AGREE** _____ **DISAGREE*** _____ **ABSTAIN***

EXPLANATION OF VOTE - Please type or print your comments:

*An explanation must accompany a disagreement or abstaining position. If disagreeing, cite relevant section(s)/paragraph(s) of the correlation issue and describe.

Question 2: I agree that the subject of this TIA is of an **EMERGENCY NATURE**.

_____ **AGREE** _____ **DISAGREE*** _____ **ABSTAIN***

EXPLANATION OF VOTE - Please type or print your comments:

*An explanation must accompany a negative/disagreement or abstaining position.

Signature

Name (Please Print)

Date

Please return the ballot on or before **Friday, July 16, 2010**

PLEASE RETURN TO:

Jeanne Moreau
NFPA
1 Batterymarch Park
Quincy, MA 02169

FAX: (617) 984-7110

E-mail: jmoreaucorreia@nfpa.org

3.4.2 Authority. A TCC shall direct the activities of the TCs that have primary responsibility for the development and revision of Documents assigned to them. The TCC shall be responsible for resolving conflicts, achieving correlation among the recommendations of the TCs, correcting errors and omissions, and ensuring that the Committee activities have been conducted in accordance with these Regulations and any approved Supplemental Operating Procedures (see 3.3.8). The TCC shall have the authority to choose between alternatives presented by the TCs and to write text, but only as necessary for correlation, consistency, and the correction of errors and omissions.

3.4.3 Responsibilities. The responsibilities of a TCC are:

- (a) Resolving conflicts within or between Documents
- (b) Recommending the resolution of conflicts between, and overlapping functions in TC Scopes
- (c) Recommending the establishment of new or the discharging of existing TCs and proposing new Scopes or changes to existing Scopes of TCs
- (d) Recommending changes in membership to obtain or improve representation on a TC
- (e) Correlating the scheduling of the Reports from the TCs operating under its responsibility
- (f) Notifying a TC of its failure to comply with these Regulations or the Manual of Style
- (g) Determining whether or not the TC has given due consideration to all evidence presented to it in connection with the preparation of its Report including all comments relating to negative votes
- (h) Establishing Supplemental Operating Procedures, if desired (see 3.3.8)
- (i) Performing such other or different duties as the Council may from time to time assign

NFPA 13-2010

Standard for the Installation of Sprinkler Systems

TIA Log No.: 998

Reference: 7.6.1

Comment Closing Date: July 23, 2010

Submitter: Ken Isman, National Fire Sprinkler Association, Inc.

1. *Add a new 7.6.1 as follows:*

7.6.1 Dwelling Units. Antifreeze concentrations in excess of 50% by volume shall not be permitted within the dwelling unit portions of sprinkler systems.

7.6.1.1 Only Factory premixed solutions shall be permitted.

2. *Renumber the remainder of the section accordingly.*

Submitter's Substantiation. As a result of information obtained through a report from the Fire Protection Research Foundation titled *Antifreeze Solutions in Home Fire Sprinkler Systems* and data compiled in a UL document titled *Fire Test Data Summary for Residential Sprinklers Discharging Antifreeze Mixtures* sufficient technical documentation now exists to highlight safety concerns and knowledge gaps regarding the provisions permitting antifreeze in sprinkler systems protecting dwelling units.

Until such time that additional research is conducted to satisfy the concerns and knowledge gaps the safe use of antifreeze solutions in high concentrations within sprinkler systems protecting dwelling units cannot be assured.

Mandating the use of factory premix solutions is a quality control measure to ensure the concentrations are not used above the established limit.

Emergency Nature:

1. The proposed TIA intends to correct a previously unknown existing hazard.
2. 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.

Attachments:

Fire Protection Research Foundation titled *Antifreeze Solutions in Home Fire Sprinkler Systems* dated May 28, 2010

UL document titled *Fire Test Data Summary for Residential Sprinklers Discharging Antifreeze Mixtures* dated May 26, 2010

Section 5 Tentative Interim Amendments.

5.1 Preliminary Determination of Compliance.

A Tentative Interim Amendment (TIA) to any Document may be processed if the Council Secretary determines, after a preliminary review, and consultation with the appropriate Chair, that the Amendment appears to be of an emergency nature requiring prompt action and has the endorsement of at least two Members of the involved TC or TCC. If processed, the question of emergency nature shall be considered by the TC and TCC. The text of a proposed Tentative Interim Amendment may be processed as submitted or may be changed, but only with the approval of the submitter.

5.2 Evaluation of Emergency Nature. Determination of an emergency nature shall include but not be limited to one or more of the following factors:

- (a) The document contains an error or an omission that was overlooked during a regular revision process.
- (b) The document contains a conflict within the document or with another NFPA document.
- (c) The proposed TIA intends to correct a previously unknown existing hazard.
- (d) 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.
- (e) The proposed TIA intends to accomplish a recognition of an advance in the art of safeguarding property or life where an alternative method is not in current use or is unavailable to the public.
- (f) The proposed TIA intends to correct a circumstance in which the revised document has resulted in an adverse impact on a product or method that was inadvertently overlooked in the total revision process, or was without adequate technical (safety) justification for the action.

5.3 Publication of Proposed Tentative Interim Amendment.

A proposed Tentative Interim Amendment that meets the provisions of 5.1 shall be published by the Association in appropriate media with a notice that the proposed Tentative Interim Amendment has been forwarded to the responsible TC and TCC for processing and that anyone interested may comment on the proposed Tentative Interim Amendment within the time period established and published.

5.4 Technical Committee and Technical Correlating Committee Action.

(a) The proposed Tentative Interim Amendment shall be submitted for ballot and comment of the TC in accordance with 3.3.4. The TC shall be separately balloted on both the technical merits of the amendment and whether the amendment involves an issue of an emergency nature. Such balloting shall be completed concurrently with the public review period. Any public comments inconsistent with the vote of any TC Member shall be circulated to the TC to allow votes to be changed. A recommendation for approval shall be established if three-fourths of the voting Members calculated in accordance with 3.3.4.5 have voted in favor of the Tentative Interim Amendment.

(b) The proposed Tentative Interim Amendment shall be submitted for ballot and comment of the TCC, if any, which shall make a recommendation to the Council with respect to the disposition of the Tentative Interim Amendment. The TCC shall be separately balloted on both the merits of the amendment (as it relates to the TCC authority and

responsibilities in accordance with 3.4.2 and 3.4.3) and whether the amendment involves an issue of an emergency nature. Any public comments inconsistent with the vote of any TC or TCC Member shall be circulated to the 28 TCC to allow votes to be changed. A recommendation for approval shall be established if three-fourths of the voting Members calculated in accordance with 3.3.4.5 have voted in favor of the Tentative Interim Amendment.

(c) All public comments, ballots, and comments on ballot on the proposed Tentative Interim Amendment shall be summarized in a staff report and forwarded to the Council for action in accordance with 5.5.

5.5 Action of the Council. The Council shall review the material submitted in accordance with 5.4(c), together with the record on any Appeals (see 1.6, 1.6.1), and shall take one of the following actions:

- (a) Issue the proposed Tentative Interim Amendment
- (b) Issue the proposed Tentative Interim Amendment as amended by the Council
- (c) Where acted on concurrently with the issuance of a new edition of the Document to which it relates, issue the Tentative Interim Amendment as part of the new edition;
- (d) Reject the proposed Tentative Interim Amendment
- (e) Return the proposed Tentative Interim Amendment to the TC with appropriate instruction
- (f) Direct a different action

5.6 Effective Date of Amendment. Tentative Interim Amendments shall become effective 20 days after Council issuance unless the President determines, within his or her discretion, that the effective date shall be delayed pending the consideration of a Petition to the Board of Directors (see 1.7). The President may also, within his or her discretion, refer the matter of a delay in the effective date of the TIA to the Executive Committee of the Board of Directors or to the Board of Directors.

5.7 Publication of Amendment. The Association shall publish in one of its publications sent or accessible to all Members notice of the issuance of each Tentative Interim Amendment and may, as appropriate, issue a news release to applicable and interested technical journals. The notice and any news release shall indicate the tentative character of the Tentative Interim Amendment. In any subsequent distribution of the Document to which the Tentative Interim Amendment applies, the text of the Tentative Interim Amendment shall be included in a manner judged most feasible to accomplish the desired objectives.

5.8 Applicability. Tentative Interim Amendments shall apply to the document existing at the time of issuance. Tentative Interim Amendments issued after the proposal closing date shall also apply, where the text of the existing document remains unchanged, to the next edition of the Document. Tentative Interim Amendments issued concurrently with the issuance of a new edition shall apply to both the existing and new edition.

5.9 Subsequent Processing. TC responsible for the Document or part of the Document affected shall process the subject matter of any Tentative Interim Amendment as a proposal for the next edition of the Document (see 3.3).

5.10 Exception. When the Council authorizes other procedures for the processing and/or issuance of Tentative Interim Amendments, the provisions of this Section shall not apply.