MEMORANDUM

To: NFPA Technical Committee on Water Additives for Fire Control and Vapor Mitigation
From: Sarah Caldwell, Project Administrator
Date: August 27, 2015
Subject: NFPA 1150 First Draft TC FINAL Ballot Results (F2016)

According to the final ballot results, all ballot items received the necessary affirmative votes to pass ballot.

10 Members Eligible to Vote
2 Not Returned (B. Foster, R. Tinsley)
8 Affirmative on All Revisions (w/comment: M. Greiner)
0 Negative on one or more Revisions
0 Abstentions on one or more Revisions

The attached report shows the number of affirmative, negative, and abstaining votes as well as the explanation of the vote for each first revision.

There are two criteria necessary for each first revision to pass ballot: (1) simple majority and (2) affirmative \( \frac{2}{3} \) vote. The mock examples below show how the calculations are determined.

(1) Example for Simple Majority: Assuming there are 20 vote eligible committee members, 11 affirmative votes are required to pass ballot. (Sample calculation: 20 members eligible to vote ÷ 2 = 10 + 1 = 11)

(2) Example for Affirmative \( \frac{2}{3} \): Assuming there are 20 vote eligible committee members and 1 member did not return their ballot and 2 members abstained, the number of affirmative votes required would be 12. (Sample calculation: 20 members eligible to vote – 1 not returned – 2 abstentions = 17 x 0.66 = 11.22 = 12)

As always please feel free to contact me if you have any questions.
Chapter 2  Referenced Publications

2.1  General.
The documents or portions thereof listed in this chapter are referenced within this standard and shall be considered part of the requirements of this document.

2.2  NFPA Publications.
      (Reserved)

2.3  Other Publications.

2.3.1  ASTM Publications.
      ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959.

2.3.2  ISO Publications.
      International Organization for Standardization, 1 rue de Varembé, Case Postale 56, CH-1211, Genève 20.
      ISO Organization for Standardization, ISO Central Secretariat, BIBC II, Chemin de Blandonnet 8, CP 401, 1214 Vernier, Geneva, Switzerland.

2.3.3  NACE Publications.
      NACE International, 1440 South Creek Drive, Houston, TX 77084-4906.

2.3.4  OECD Publications.
      Organization for Economic Co-operation and Development, 2, rue André-Pascal, 75775 Paris Cedex 16, France.
      OECD Principles of Good Laboratory Practice, Annex 2, C(89)87(Final).
2.3.5 SAE Publications.
Society of Automotive Engineers  SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001.


2.3.6 U.S. EPA Publications.
Environmental Protection Agency, National Service Center for Environmental Publications (NSCEP), P.O. Box 42419, Cincinnati, OH 45242. Also available at http://www.epa.gov/ncepihom/nepishom/.
OPPTS 835.3110, Ready Biodegradability, Section M, CO₂ Evolution (Modified Sturm), Test, Fate, Transport and Transformation Test Guidelines, January 1998.
OPPTS 850.1075, Fish Acute Toxicity Test, Freshwater and Marine, Ecological Effects Test Guidelines, April 1996.

2.3.7 U.S. Government Publications.

Title 40, Code of Federal Regulations, Part 792, “Good Laboratory Practice Standards.”
Federal Test Standard No. 601, Methods 3021 and 3025 (April 12, 1985).

2.3.8 U.S. Military Specifications.


2.3.9 Other Publications.

2.4 References for Extracts in Mandatory Sections.

Submitter Information Verification

Submitter Full Name: JACQUELINE WILMOT
Organization: NATIONAL FIRE PROTECTION ASSOC
Street Address: 
City: 
State: 
Zip: 
Committee Statement

Committee References are updated to the latest edition in accordance with the NFPA Manual of Style.
Response Message:
Public Input No. 2-NFPA 1150-2014 [Chapter 2]

Ballot Results

☐ This item has passed ballot

10 Eligible Voters
2 Not Returned
7 Affirmative All
1 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned
Foster, Brian R.
Tinsley, Jr., Robert E.

Affirmative All
Brandao, Armand V.
Browder, Tracy
Groden, Walter
Halpin III, Gerald J.
Johnson, Cecilia W.
Shugarman, Blake M.
Wang, Qingsheng

Affirmative with Comment
Greiner, Michael T.
Section 2.2 should reference NFPA 1145 since this is the document for the application and use of Class A foams conforming to NFPA 1150.
4.5.1 Labeling.
The manufacturer shall provide the following information on a label that is permanently attached to the concentrate container:

(1) Manufacturer name and address
(2) Product name, lot number, and date of manufacture
(3) Emergency and first-aid instructions
(4) Volume (liters and U.S. gallons) of concentrate in container
(5) Statement that product meets all requirements of NFPA 1150 (2017 edition) when used within the range of 0.1 and 1.0 percent
(6) Statement directing attention of user to product data sheet

Submitter Information Verification

Submitter Full Name: JACQUELINE WILMOT
Organization: NATIONAL FIRE PROTECTION ASSOC
Street Address:
City:
State:
Zip:
Submittal Date: Wed Jul 08 09:31:12 EDT 2015

Committee Statement

Committee: Updated the reference to NFPA 1150 to the most recent edition in accordance with the NFPA Manual of Style.
Response Message:

Ballot Results

☑ This item has passed ballot

10 Eligible Voters
2 Not Returned
7 Affirmative All
1 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned
Foster, Brian R.
Tinsley, Jr., Robert E.

Affirmative All
Brandao, Armand V.
Browder, Tracy
Groden, Walter
Halpin III, Gerald J.
Johnson, Cecilia W.
Shugarman, Blake M.
Wang, Qingsheng

**Affirmative with Comment**
Greiner, Michael T.

Remove statement #5 ==>
[5) Statement that product meets all requirements of NFPA 1150 (2017 edition) when used within the range of 0.1 and 1.0 percent.] and add in some actual listing criteria: 1. NFPA 11 products are listed and have to pass Class B Fire Test. 2. NFPA 18 products are listed and have to pass both Class A and Class B fire tests. 3. NFPA 18A products are listed and have to pass Class A, Class B, Class B 3D fire Tests. 4. There is no Listing criteria or actual fire test in NFPA 1150. Does anyone else find it odd that we are the National Fire Protection Association and we have a complete category of agent, Class A foam, and at not point does this agent have to demonstrate it can actually put out a fire and provide adequate re-ignition resistance! This appears to be a oversight by the previous TC within this standard. I know many manufacturers list to NFPA 18 due to a lack of fire test in NFPA 1150 which could cause confusion for fire service personnel. Are you a Wetting Agent or a Class A Foam?
First Revision No. 8-NFPA 1150-2015 [ New Section after 5.4.2 ]

5.4.3  Alternate Viscosity Test Methods.
5.4.3.1* Where the preferred method does not provide usable results, an alternative test method shall be permitted.
5.4.3.2 Where an alternative test method is used, the method and test conditions shall be documented and reported with the results.

Supplemental Information

<table>
<thead>
<tr>
<th>File Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.5.4.3.1_Alternate_Viscosity_Method.docx</td>
<td>New annex language for alternate viscosity test methods</td>
</tr>
</tbody>
</table>

Submitter Information Verification

Submitter Full Name: JACQUELINE WILMOT
Organization: NATIONAL FIRE PROTECTION ASSOC
Street Address: 
City: 
State: 
Zip: 
Submittal Date: Fri Jun 05 09:46:38 EDT 2015

Committee Statement

Committee Statement: In situations where the viscosity is too low to obtain meaningful results using the primary test method, other recognized methods can be used, provided the test method and test conditions used to obtain the reported results are included in the documentation.

Response Message:

Ballot Results

✓ This item has passed ballot

10 Eligible Voters
2 Not Returned
8 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned
Foster, Brian R.
Tinsley, Jr., Robert E.

Affirmative All
Brandao, Armand V.
A.5.4.3.1 One example of a case where an alternative test method might be used is when the viscosity is too low to produce meaningful results.
Annex B  Informational References

B.1  Referenced Publications.
The documents or portions thereof listed in this annex are referenced within the informational sections of this standard and are not part of the requirements of this document unless also listed in Chapter 2 for other reasons.

B.1.1  NFPA Publication.
National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.

B.1.2  Other Publications.

B.1.2.1  ASTM Publications.
ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959.

B.1.2.2  U.S. EPA Publications.
Environmental Protection Agency, National Service Center for Environmental Publications (NSCEP), P.O. Box 42419, Cincinnati, OH 45242. Also available at http://www.epa.gov/ncepihom/nepishom/.

B.1.2.3  U.S. Government Publications.

B.2  Informational References.
The following documents or portions thereof are listed here as informational resources only. They are not a part of the requirements of this document.
B.2.1
The following documents provide additional information on foam development and application.


B.3 References for Extracts in Informational Sections. (Reserved)
<table>
<thead>
<tr>
<th>Vote Type</th>
<th>委员名单</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affirmative with Comments</td>
<td>Foster, Brian R.</td>
</tr>
<tr>
<td></td>
<td>Tinsley, Jr., Robert E.</td>
</tr>
<tr>
<td>Negative with Comments</td>
<td></td>
</tr>
<tr>
<td>Abstention</td>
<td></td>
</tr>
</tbody>
</table>

**Not Returned**
- Foster, Brian R.
- Tinsley, Jr., Robert E.

**Affirmative All**
- Brandao, Armand V.
- Browder, Tracy
- Greiner, Michael T.
- Groden, Walter
- Halpin III, Gerald J.
- Johnson, Cecilia W.
- Shugarman, Blake M.
- Wang, Qingsheng