



**National Fire Protection Association**

1 Batterymarch Park, Quincy, MA 02169-7471  
Phone: 617-770-3000 • Fax: 617-770-0700 • www.nfpa.org

## ***ROC Meeting Agenda***

### **NFPA Technical Committee on Animal Housing Facilities**

**April 5, 2011**

**8:00 AM – 5:00 PM**

**The Crowne Plaza Washington, DC-Silver Spring  
Silver Spring, MD**

**1. Call to Order.**

Call the meeting to order by Chair Bradford Cronin at 8:00 a.m. on Tuesday, April 5, 2011.

**2. Introduction of Attendance.** For a committee roster. **See page 2.**

**3. Approval of Minutes.** Approve the July 8, 2010 ROP meeting minutes. **See page 5.**

**4. Staff Liaison Report.** **See Page 7.**

**5. NFPA 150 ROP Preparation**

- **Public Comments.** **See page 17.**

**6. New Business.**

**7. Date and location of next meeting.**

**8. Adjournment.**

# Address List No Phone

3/17/2011  
Tracy L. Golinveaux  
ASF-AAA

## Animal Housing Facilities

<b>Bradford T. Cronin</b> <b>Chair</b> Newport Fire Department 21 West Marlborough Street Newport, RI 02840	<b>E 11/2/2006</b> <b>ASF-AAA</b>	<b>Clay P. Aler</b> <b>Principal</b> Koffel Associates, Inc. 6522 Meadowridge Road, Suite 101 Elkridge, MD 21075-6191 <b>Alternate: Martin Steven Welsh</b>	<b>SE 11/2/2006</b> <b>ASF-AAA</b>
<b>Michael J. Biel</b> <b>Principal</b> Sprinkler Fitters Local Union 183 6653 Channel Road Waterford, WI 53185 <b>United Assn. of Journeymen &amp; Apprentices of the Plumbing &amp; Pipe Fitting Industry</b> <b>Alternate: Rita L. Neiderheiser</b>	<b>L 1/10/2008</b> <b>ASF-AAA</b>	<b>Richard R. Brown</b> <b>Principal</b> Brown Sprinkler Corporation 4705 Pinewood Drive Louisville, KY 40218 <b>National Fire Sprinkler Association</b>	<b>M 7/14/2004</b> <b>ASF-AAA</b>
<b>Hal Cohen</b> <b>Principal</b> HCC and Associates, Inc. 3 Mill Park Court Newark, DE 19713	<b>SE 7/23/2008</b> <b>ASF-AAA</b>	<b>Mary Julie Corrigan</b> <b>Principal</b> Harvard University Environmental Health & Safety Department HIM Building 4 Blackfan Circle Boston, MA 02115	<b>U 1/14/2005</b> <b>ASF-AAA</b>
<b>Michael A. Crowley</b> <b>Principal</b> The RJA Group, Inc. Rolf Jensen & Associates, Inc. 13831 Northwest Freeway, Suite 330 Houston, TX 77040-5215 <b>Alternate: Peter C. Harrod</b>	<b>SE 3/4/2008</b> <b>ASF-AAA</b>	<b>Christopher W. Dorko</b> <b>Principal</b> Berkley Life Sciences, LLC 200 PrincetonSouth Corporate Center, Suite 250 Ewing, NJ 08268	<b>I 8/2/2010</b> <b>ASF-AAA</b>
<b>Marion C. Filippi</b> <b>Principal</b> Ballard's Farm, LLC 1092 Great Road Lincoln, RI 02865	<b>U 9/30/2004</b> <b>ASF-AAA</b>	<b>Ajay Gulati</b> <b>Principal</b> Smithsonian Institution 600 Maryland Avenue, Suite 7106 Washington, DC 20013	<b>U 4/14/2005</b> <b>ASF-AAA</b>
<b>Steven J. Heckman, Jr.</b> <b>Principal</b> The Jackson Laboratory 600 Main Street Bar Harbor, ME 04609	<b>U 3/15/2007</b> <b>ASF-AAA</b>	<b>Todd B. Hohbein</b> <b>Principal</b> State of Utah Fire Marshal's Office 435 North Main Street LaVerkin, UT 84745	<b>E 3/21/2006</b> <b>ASF-AAA</b>

# Address List No Phone

3/17/2011  
Tracy L. Golinveaux  
ASF-AAA

## Animal Housing Facilities

<b>Karl D. Houser</b> <b>Principal</b> EBL Engineers, LLC EBL Fire Engineering 8005 Harford Road Baltimore, MD 21234-5701 <b>Alternate: Jeffery P. McBride</b>	<b>SE 7/14/2004</b> <b>ASF-AAA</b>	<b>James F. Jaracz</b> <b>Principal</b> Hobart Fire Department 2 Sycamore Lane Hobart, IN 46342	<b>E 10/27/2009</b> <b>ASF-AAA</b>
<b>Lisa C. Lee</b> <b>Principal</b> New York State Division of Homeland Security & Emergency Services Capitol Fire Safety Detail Concourse Level-Room 120-2 Albany, NY 12242	<b>E 7/14/2004</b> <b>ASF-AAA</b>	<b>Laurie Loveman</b> <b>Principal</b> 17095 Abbey Road Chagrin Falls, OH 44023-1313	<b>SE 7/19/2002</b> <b>ASF-AAA</b>
<b>Bonnie E. Manley</b> <b>Principal</b> American Iron and Steel Institute 41 Tucker Road Norfolk, MA 02056	<b>M 3/21/2006</b> <b>ASF-AAA</b>	<b>Mark S. Rosenberger</b> <b>Principal</b> Los Alamos National Security, LLC PO Box 1663, M702 Los Alamos, NM 87545	<b>SE 3/15/2007</b> <b>ASF-AAA</b>
<b>Joe Scibetta</b> <b>Principal</b> BuildingReports 1325 Satellite Boulevard, Suite 1607 Suwanee, GA 30024	<b>M 8/5/2009</b> <b>ASF-AAA</b>	<b>Lyn A. Spinella</b> <b>Principal</b> Brookside Equestrian Center 9 Kendall Drive Lincoln, RI 02865	<b>U 7/23/2008</b> <b>ASF-AAA</b>
<b>Richard C. Staniland</b> <b>Principal</b> Chubb Group of Insurance Companies 610 West Ash Street, Suite 1101 San Diego, CA 92101 <b>Alternate: Thomas A. Nappo</b>	<b>I 3/1/2011</b> <b>ASF-AAA</b>	<b>Andrew K. Sullivan</b> <b>Principal</b> The Protectowire Company, Inc. 40 Grissom Road Plymouth, MA 02360-7205	<b>M 3/4/2009</b> <b>ASF-AAA</b>
<b>Philip Trzcinski</b> <b>Principal</b> No-Burn Inc. 510 Melvin Road Utica, NY 13502	<b>M 10/27/2009</b> <b>ASF-AAA</b>	<b>Donald H. J. Turno</b> <b>Principal</b> Savannah River Nuclear Solutions, LLC 142 Dalmatian Drive Aiken, SC 29803	<b>U 10/23/2003</b> <b>ASF-AAA</b>
<b>Peter C. Harrod</b> <b>Alternate</b> The RJA Group, Inc. Rolf Jensen & Associates, Inc. 1661 Worcester Road, Suite 501 Framingham, MA 01701 <b>Principal: Michael A. Crowley</b>	<b>SE 3/4/2008</b> <b>ASF-AAA</b>	<b>Jeffery P. McBride</b> <b>Alternate</b> EBL Engineers, LLC EBL Fire Engineering 8005 Harford Road Baltimore, MD 21234-5701 <b>Principal: Karl D. Houser</b>	<b>SE 7/14/2004</b> <b>ASF-AAA</b>

# Address List No Phone

3/17/2011  
Tracy L. Golinveaux  
ASF-AAA

## Animal Housing Facilities

<b>Thomas A. Nappo</b>	<b>I 1/14/2005</b>	<b>Rita L. Neiderheiser</b>	<b>L 10/20/2010</b>
<b>Alternate</b> Chubb Group of Insurance Companies 7733 Forsyth, Suite 1300 Clayton, MO 63105 <b>Principal: Richard C. Staniland</b>	<b>ASF-AAA</b>	<b>Alternate</b> Road Sprinkler Fitters UA LU 669 PO Box 40393 Denver, CO 80204 <b>United Assn. of Journeymen &amp; Apprentices of the Plumbing &amp; Pipe Fitting Industry</b> <b>Principal: Michael J. Biel</b>	<b>ASF-AAA</b>
<b>Martin Steven Welsh</b>	<b>SE 3/1/2011</b>	<b>Peter A. Boving</b>	<b>U 7/26/2007</b>
<b>Alternate</b> Koffel Associates, Inc. 6522 Meadowridge, Road, Suite 101 Elkridge, MD 21075-6191 <b>Principal: Clay P. Aler</b>	<b>ASF-AAA</b>	<b>Nonvoting Member</b> National Cancer Institute-Frederick PO Box B Frederick, MD 21702	<b>ASF-AAA</b>
<b>Tracy L. Golinveaux</b>	<b>01/04/2010</b>		
<b>Staff Liaison</b> National Fire Protection Association 1 Batterymarch Park Quincy, MA 02169-7471	<b>ASF-AAA</b>		



**National Fire Protection Association**

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**ROP MEETING MINUTES**  
**NFPA Technical Committee on Animal Housing Facilities**

Thursday July 8, 2010  
Microsoft Live Meeting/Conference Call

**1. Call to Order.**

The meeting of the Technical Committee on Animal Housing Facilities was called to order by Chair Brad Cronin at 9:30 AM. The meeting included attendance by members on-line via Microsoft Live Meeting.

**2. Introduction of Committee Members and Guests.**

Self introductions of members and guests were completed. Those present included:

**TECHNICAL COMMITTEE MEMBERS PRESENT**

<b>NAME</b>	<b>REPRESENTING</b>
Cronin, Bradford, Chair	Newport Fire Department
Aler, Clay, Principal	Koffel Associates, Inc.
Boving, Peter, Nonvoting Member	National Cancer Institute-Frederick
Brown, Richard, Principal	Brown Sprinkler Corporation Rep. National Fire Sprinkler Association
Cohen, Hal, Principal	HCC and Associates, Inc.
Corrigan, Mary, Principal	Harvard University
Crowley, Michael, Principal	The RJA Group, Inc.
Gulati, Ajay, Principal	Smithsonian Institution
Heckman, Steven, Principal	The Jackson Laboratory
Jaracz, James, Principal	Hobart Fire Department
Loveman, Laurie, Principal	
Rosenberger, Mark, Principal	Los Alamos National Security, LLC
Scibetta, Joe, Principal	BuildingReports
Trzcinski, Philip, Principal	No-Burn Inc.
Turno, Donald H., Principal	Savannah River Nuclear Solutions, LLC
Golinveaux, Tracy, Staff Liaison	NFPA

**GUESTS**

<b>NAME</b>	<b>REPRESENTING</b>
Nederheiser, Rita	
Canfield, Daren	Chubb Group of Insurance Companies

## **TECHNICAL COMMITTEE MEMBERS NOT PRESENT**

<b>NAME</b>	<b>REPRESENTING</b>
Biel, Michael, Principal	Sprinkler Fitters Local Union 183
Filippi, Marion, Principal	Ballard's Farm, LLC
Hohbein, Todd, Principal	State of Utah Fire Marshal's Office
Houser, Karl, Principal	EBL Engineers, LLC
Lee, Lisa, Principal	New York Department of State
Manley, Bonnie, Principal	American Iron and Steel Institute
McBride, Jeffery, Alternate	EBL Engineers, LLC
Nappo, Thomas, Alternate	Chubb Group of Insurance Companies
Spinella, Lyn, Principal	Brookside Equestrian Center
Sullivan, Andrew, Principal	The Protetowire Company, Inc.
Swanson, Richard, Principal	AstraZeneca Pharmaceuticals

### **3. Announcements:**

NFPA Staff briefly reviewed the purpose of the meeting and NFPAs procedures. Tracy Golinveaux was introduced as the new Staff Liaison for the committee. By the end of the meeting, an action would be completed for each of the public proposals that were received. The committee would also have the opportunity to develop any committee proposals to address any topics or issues related to the draft standard. Staff reviewed the timelines for processing the 2012 editions of 150:

- ◆ Proposals closed May 28
- ◆ Comment Closing Date is March 4, 2011

### **4. Approval of Minutes**

The minutes of the March 2008 meeting were approved as submitted.

### **9. NFPA 105 Proposals**

The committee reviewed 18 public proposals that had been received on NFPA 150. A motion passed to submit the meeting actions to a letter ballot. See the ROP letter ballot for committee actions.

### **10. Other Business**

Brad Cronin mentioned the new reference to NFPA 150 in Chapter 35 of NFPA 1, *The Uniform Fire Code*.

### **11. Schedule Next Meeting**

The next meeting will be tentatively scheduled for April 5-6, 2011 in Washington DC to prepare the Report on Comments.

### **12. Adjournment**

The meeting was adjourned at 12:30 p.m. on July 8<sup>th</sup>, 2010.

Minutes Prepared by: Tracy Golinveaux, Staff Liaison



## Report on Comments ASF-AAA

### Report on Comments (ROC) ASF-AAA

April 5, 2011  
Washington, DC

Welcome!

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## Report on Comments ASF-AAA

- ◆ At this and all NFPA Committee Meetings we are concerned with your Safety.
- ◆ If the fire alarm sounds, we will evacuate.
- ◆ Exiting...exits are .....

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## Report on Comments ASF-AAA

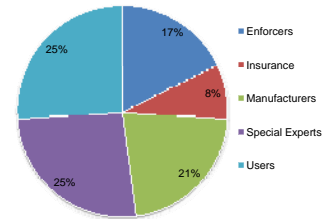
- ◆ Please verify/update your contact information
- ◆ If you are representing a particular interest, please make it known to the committee
- ◆ All guests requested to sign in and identify their affiliation.

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## Report on Comments ASF-AAA

### 24 Total Voting Members



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## Report on Comments ASF-AAA

### Timeline for processing NFPA 150 –F2011 Cycle

Process Step	Date
ROP Meeting	July 8, 2010
ROP Published	December 22, 2010
Comment Closing	March 4, 2011
ROC Published	August 26, 2011
NITMAM Closing	October 21, 2011

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## Report on Comments ASF-AAA

### Committee Actions on Comments

Action	Comment	Committee Statement
Accept	Accept all. No changes.	Not Required
Accept in Principle	Accept proposal but change wording.	Describe change and rationale.
Accept in Part	Accept part and reject part.	Indicate accepted and rejected parts with rationale.
Accept in Principle in Part	Accept part / change part / reject part.	Indicate accepted/ rejected/changed parts with rationale.
Reject	Reject all.	Rationale for rejection
Hold	(holds new material for next cycle. Only available during ROC)	

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 Report on Comments ASF-AAA


♦ **Balloting**

Receive Ballot → Complete and Submit Ballot → Receive Circulation Ballot → Submit any Vote Changes → Receive Final Circulation

♦ **Return Ballots by either mail, fax, or email (PDF ballot).**

♦ **Alternates must return ballots.**

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 **PROPOSAL BALLOT DUE BY: Friday, October 9, 2009**

**CLEAR FORM**      **NFPA 101 SAF-FUR**      **SUBMIT FORM**  
Line-Item Code\*  
 Technical Committee on Fire Alarms and Communications      Staff Liaison: Kristin Collins

**PRINT FORM**  
**SAVE FORM**

Due Date: 10/09/2009  
 Contact: Jill McGovern  
 E-Mail: [jmcgovern@nfpfa.org](mailto:jmcgovern@nfpfa.org)  
 Fax: 417-984-7110  
 Mail: One Batterymarch Park, Quincy, MA 02169

Committee Action Key:  
 A = Accept  
 B = Reject  
 AFA = Accept in Part  
 AFP = Accept in Principle  
 H = Hold

With respect to the Committee Actions on the Proposals which accompanied the ballot, please record me as voting: (each one)

Affirmative On All Items. I agree with all committee meeting actions without comment. Please return this Ballot Page only to NFPA.


Affirmative With Exception(s):  
 I agree with all committee meeting actions Except for the Affirmative with comment. Negative and/or Abstinence checked below. \*Reasons must accompany these votes.

DATE: \_\_\_\_\_ NAME: \_\_\_\_\_  
(Your printed name above acts as your signature)

Proposal No.	Log No.	Section	Committee Action	Y/N/A	Yes	No	Abst.
101-22	117a	2.3.4			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Enter your reason for vote below

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 Report on Comments ASF-AAA

♦ Document Info Pages

- Source for ALL Document Related Information
- Meeting Notices, Agendas, Minutes, NITMAMs, ROP/ROC
- E-committee Pages

♦ [www.nfpa.org/###](http://www.nfpa.org/###)

♦ [www.nfpa.org/150](http://www.nfpa.org/150)

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 Report on Comments ASF-AAA

 **THE FIRE PROTECTION RESEARCH FOUNDATION**  
Research in support of the NFPA mission

♦ Code Fund

- Fire Protection Research Foundation's committee assistance program

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150- Log #3  
(Entire Document)

Final Action:

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**Submitter:** Richard J. Davis, The Evergreen State College

**Comment on Proposal No:** 150-11

**Recommendation:** We recommend holding this proposal for the next revision cycle.

**Substantiation:** The APPA Code Advisory Task Force is grateful that safety concepts of this nature are open for public comment through the NFPA/ANSI process and distributed through its vast network of safety experts and stakeholders.

This issue is very important for our industry because:

a) many colleges and universities have research and teaching facilities with an abundance of Group A and Group B animals.

b) we share the concern for the safety of human and non-human life.

c) many colleges and universities are struggling with insufficient capital and operating budgets that may put this particular life safety concern on a lower rank than priorities affecting human life safety.

d) there are may be factors that increase the cost and lower the benefit of sprinklers in facilities that house animals.

Some facilities are not heated and subject to freezing. This could result in the increased cost of dry sprinkler systems. The animals will remain caged or otherwise restrained and might be harmed by sprinklers operating on them for long periods. Water might accumulate and cause drowning for smaller creatures or nursing young. Lastly, there may not be sufficient design data to assess the hazard, making design difficult for those who must determine a water application rate.

It is noteworthy that there are no known prohibitions against installing sprinklers for both Group A and Group B animals now. Our concern rests upon making this requirement mandatory when NFPA 150 is adopted into local and state law. For this reason, we recommend that the committee place this proposal on HOLD until the next revision cycle. This will permit distribution of this mandatory safety concept to a broader group of experts and stakeholders who, given enough time to discuss among themselves, will inform the debate. These experts and stakeholders are needed to broaden support for the future use of NFPA 150 by state and local jurisdictions.

It would be unwise to accept this proposal before the safety community and risk management agencies are ready for its implications. Another 3 years of public discussion would also provide time for technological innovations to emerge that might lower the cost of accomplishing the worthy objective of protecting all animals from the risk of fire.

This comment was prepared with expertise and effort by Brooks Baker (University of Alabama-Birmingham), Kevin Folsom (Dallas Theological Seminary), David Handwork (Arkansas State University) and Michael A. Anthony (University of Michigan).

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150- Log #2  
(2.3.3)

Final Action:

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**Submitter:** John F. Bender, Underwriters Laboratories Inc.

**Comment on Proposal No:** 150-5

**Recommendation:** Revise as follows:

2.3.3 UL Publications. Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

ANSI/UL 723, Standard for Test of Surface Burning Characteristics of Building Material, 2008, with revisions through September 13, 2010.

**Substantiation:** Reason: To update referenced standard to the most recent edition.

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150- Log #4  
(Chapter 5)

Final Action:

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**Submitter:** Jim Muir, Clark County Building Safety Division

**Comment on Proposal No:** 150-18

**Recommendation:** This Comment requests the Technical Committee Accept the proposal in principle by extracting Chapter 5, Performance-Based Option, from the 2009 edition of NFPA 5000.

**Substantiation:** Note: This comment was developed by the proponent as a member of NFPA's Building Code Development Committee (BCDC) with the committee's endorsement.

Currently, NFPA 150 chapter 5, Performance Based Design Option is reserved, containing no provisions. With no provisions, the standard does not have performance based options outlined. Many of the other NFPA documents do provide these types of provisions. The provisions (scope and objectives) of NFPA 5000 are more general and applicable to the scope and objectives of NFPA 150.

For example the original proposal would have brought chapter 5 of NFPA 1 which includes provisions in 5.1.12 for hazardous materials. While Section 5.1.12 of NFPA 1 may not be applicable to the scope of NFPA 150, NFPA 5000 chapter 5 does not contain those specific provisions but rather contains more general and applicable provisions that would provide direction to the user of NFPA 150 in a performance based design option.

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150- Log #5  
(9.8)

Final Action:

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**Submitter:** Jon Brangan, Brevard Zoo

**Comment on Proposal No:** 150-11

**Recommendation:** 9.8, 9.8.1, and 9.8.2 should remain as written and not be changed.

**Substantiation:** Rules should remain as is and not be changed. The 2 horse fire examples may have still occurred with the addition of Category B animals. Big question in these examples and other fire events is if the barns in question were even built or inspected using NFPA 150. The example in Ohio had a similar fire in the 80's and now this one. I am finding out that animal facilities that are more visible or open to the public are being held to the code while many other facilities are not.

This really applies to horse barns where zoning rules and permitting requirements exempt them and they are not being inspected and AHJ are not involved. The added cost to install sprinklers, alarms, and smoke control are significant. Many animal businesses this cost would be a huge burden and prevent them from possibly pursuing a project. Data needs to be collected looking at several jurisdictions that fall under NFPA. Data should focus on the number of fire events in animal facilities and loss of life and property. This study needs to be done before moving on with any such sweeping change to the code, The 2 mentioned events are not enough to warrant the change to Category B animals.

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150- Log #9  
(9.8)

Final Action:

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**Submitter:** Joe Scibetta, BuildingReports

**Comment on Proposal No:** 150-11

**Recommendation:** Accept Proposal 150-11 as written.

**Substantiation:** Since Proposal 150-11 was originally submitted , two more stable fires in Indiana and West Virginia claimed the lives of 36 horses, bringing the total casualty count to 102 horses in just one year, from September 2009 to September 2010.

Excluding Category B animals from the requirement for sprinkler and smoke control systems currently in place for Category A animals fails to "provide an environment for animal occupants inside or adjacent to a structure that is reasonably safe from fire .... " (NFPA 150 4.1.3.1.1. (2)). That statement applies to all animals. There are no exclusions or exceptions attached to that statement. And yet, by rejecting this proposal, we create an exception. In the residential sprinkler arena, the argument for affordable housing is slowly but surely giving way to the argument for life safety. For animals, who unlike humans cannot effect rescue from fire for themselves in most cases, the need for sprinkler and smoke control systems is just as critical, perhaps more so due to their complete reliance on humans for help. In a similar way to the issue of residential sprinklers, the argument of cost with respect to this proposal must eventually give way to the argument for animal safety and welfare, especially under the heavy weight of significant numbers of fire deaths in the equine community alone in just one year's time; deaths that occurred in the absence of sprinkler and smoke control systems. The series of stable fires in 1975 that began the creative process for NFPA 150 is finding a sad and tragic parallel with this most recent series of stable fires, revealing that the demand for fire and life safety for all animal occupants has not yet been met.

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150- Log #10  
(9.8)

Final Action:

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Submitter: Donald Longerbeam, Independent Fire Company

Comment on Proposal No: 150-11

Recommendation: Revise text to read as follows:

9.8 Special Requirements for Category A Animals

9.8.1 Sprinkler Systems. Animal housing facilities with Category A animals or Category B animals shall be sprinkler throughout in accordance with Section 9.2.1.

9.8.2 Smoke Control Systems. Animal housing facilities with Category A animals or Category B animals shall have a smoke control system unless modified as approved by the AHJ.

In 2009, horse stable fires in Chesapeake City, Maryland and Lebanon, Ohio resulted in a combined death toll of two humans and fifty horses and property loss value in the millions of dollars. Those tragic losses reveal that, 30 years after NFPA 150 was first published, animal housing fire disasters remain a very real threat to both animals and the humans who care for them. One problem that currently needs to be addressed in NFPA 150 in order to further mitigate loss of life and property is that sprinkler and smoke control system requirements are limited to Category A animals only. While it is true that Category B animals have more mobility than Category A animals and do not pose the same risk potential to rescuers, and, as such, can more easily be moved to a safer location, Category B animals are still helpless in the event of a fire. It should not be assumed that Category B animals are attended to constantly and, therefore, do not need the added protection of sprinkler and smoke control systems. In both cases cited above, the fires ignited at an hour of the day when no humans were on the premises to facilitate animal rescue. According to 4.1.3.1.1(2), one of the Safety-from-Fire Goals of NFPA 150 is to "provide an environment for animal occupants inside or adjacent to a structure that is reasonably safe from fire...." And one of the objectives of the standard, according to 4.1.3.1.2.1, is that facilities be "designed and constructed to protect human and animal occupants not intimate with the initial fire development....". The goals and objectives in Section 4 do not exclude either animal category and yet limiting sprinkler and smoke control systems to Category A animals does, in fact, exclude Category B animals from being fully embraced by those same goals and objectives. Extending the requirement for sprinkler systems and smoke control systems to Category B animals not only provides a "reasonably safe" environment, but would both address the standard's goals and objectives and incorporate both animal categories more fully. An environment for Category B animals that can potentially expose them to death-dealing smoke and flame in the absence of sprinkler and smoke control systems, cannot be deemed reasonably safe. The fire that broke out at Plain ridge Racetrack in Massachusetts on May 9, 2010 is proof positive of the value of a sprinkler system. All 40 horses intimate with the fire were saved because sprinklers not only activated but the sprinkler system initiated an alarm as well. According to media reports, the fire at Plain ridge had the potential to put at risk 200 horses and, fortunately, the sprinkler system had been installed even though it was not required. By requiring sprinkler and smoke control systems in housing for both animal categories, animals and the humans on whom they depend stand a greater chance of rescue from fire and, as a result, NFPA 150 will more closely adhere to the fundamental principles on which it is based, principles which apply to all animal occupants: "Animals are sentient beings with a value greater than that of simple property" and "lack the ability of self-preservation when housed in buildings or other structures.

**Substantiation:** I have been in the Fire Service and an Animal Control Officer for over twenty years and in this time I have seen numerous cases were if animal holding facilities had sprinklers or heat sensors that it would have saved a large number of animal lives. I live in Charles town West Virginia and I have experienced several barn fires that resulted in a large amount of horses that died resulting from the fire. We as a society need to take action now and correct this senseless killing of animals.

This is not original material; its reference/source is as follows:

On line research, Help with wording from Joe Scibetta

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150- Log #1  
(9.8, 9.8.1, and 9.8.2)

Final Action:

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Submitter: Alfred R. Bettencourt, Jr., RI Farm Bureau

Comment on Proposal No: 150-11

Recommendation: Delete text to read as follows:

~~or category B animals~~

Substantiation: Do not require sprinklers in animal facilities with Category B animals. The cost benefit analysis is prohibitive. Very few farm animals die in fires. Installing sprinklers is impractical in many instances since the kind of water pressure required is not available. Emphasis should be on fire prevention rather than a system that reacts when there is a fire.

Barns are not heated for the most part. This also makes sprinklers ineffective.

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150- Log #7  
(11.3)

Final Action:

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Submitter: Joe Scibetta, BuildingReports

Comment on Proposal No: 150-13

Recommendation: Accept Proposal 150-13 as written.

Substantiation: Please refer to my Comment on Proposal 150-11 for substantiation. In line with those comments, special requirements for Class 1 Animal Housing Facilities should incorporate both animal categories.

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150- Log #6  
(12.3)

Final Action:

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Submitter: Joe Scibetta, BuildingReports

Comment on Proposal No: 150-14

Recommendation: Accept Proposal 150-14 as written.

Substantiation: Please refer to my Comment on Proposal 150-11 for substantiation. In line with those comments, special requirements for Class 2 Animal Housing Facilities should incorporate both animal categories.

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150- Log #8  
(13.3)

Final Action:

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Submitter: Joe Scibetta, BuildingReports

Comment on Proposal No: 150-15

Recommendation: Accept Proposal 150-15 as written.

Substantiation: Please refer to my Comment on Proposal 150-11 for substantiation. In line with those comments, special requirements for Class 3 Animal Housing Facilities should incorporate both animal categories.