

Technical Committee on Liquefied Natural Gas

MEMORANDUM

TO: Technical Committee on Liquefied Natural Gas

FROM: Denise Beach, Senior Engineer/Staff Liaison

DATE: March 16, 2011

RE: **NFPA 59A LNG-AAA ROP Part 2 Meeting Minutes**

Enclosed are the minutes from the June 22-23, 2010 ROP meeting. Please feel free to bring any substantive incorrect items to my attention.

The next meeting is the Report on Comments meeting, scheduled for April 27-28, 2011 at the Hyatt Regency O'Hare in Rosemont, IL.

The Committee actions have been published in the Report on Proposals and are available on the document information page, www.nfpa.org/59A. If you have any questions or comments, please feel free to contact me at (617) 984-7501 or via email at dbeach@nfpa.org.

MINUTES OF MEETING

Technical Committee on Liquefied Natural Gas

NFPA Headquarters
1 Batterymarch Park
Quincy, MA 02169

I. Attendance:

Principal Members/Staff:

Leon Bowdoin, Acting Technical Committee Chair, Weaver's Cove Energy, MA
Richard Hoffmann, Secretary, Hoffmann & Feige, NY
Ted Lemoff, NFPA, MA
Denise Beach, NFPA, MA

Jerry Borowski, Tyco Fire Suppression & Building Products
Christopher Bourne, Massachusetts Department of Public Utilities, MA
Jeffrey Brightwell, Trunkline LNG, LA
David Butler, City of Everett Fire Department, MA
Don Coers, Coers and Company, IL
Brian Eisentrout, CB&I, IL
James Gaughan, American Bureau of Shipping, NY
Chris Humes, Southern LNG & Gulf LNG, GA
Kenneth Paul, Chart Industries, Inc., NH
Gilford Poe, ExxonMobil Production Company, TX
Phani Raj, Technology & Management Systems, Inc., MA
James Regan, Starr Technical Risks Agency Inc. IL
Roger Roue, SIGTTO, United Kingdom

Alternates :

Stanley Kastanis (voting alternate), US Department of Transportation, MA
Jeffrey Beale, CH-IV International, MD
John Blanchard, CB&I, IL
Filippo Gavelli, GexCon US, MD
Kenneth Smith, US Coast Guard, DC

Guests :

Leo Campos, American Bureau of Shipping
Amy Cronin, NFPA, MA
Linda Fuller, NFPA, MA
Praveen Malhotra, Strong Motions Inc.
Anthony Rangos, Bechtel OGOC
Terry Turpin, FERC
Andrew Kohout, FERC
Anthony J. Scaraggi, Distrigas of MA, LLC

II. Minutes of Meeting:

1. **Call to order.** The meeting was called to order at 8:30 a.m. on June 22, 2010.
2. **Introduction.** The Committee members and guests introduced themselves and identified their affiliation.
3. **NFPA Staff Report.** The NFPA Staff Liaison reviewed Robert's Rules of Order, specifically relative to the voting rights of the committee chairman. The committee chairman can vote in meetings if it will affect the outcome of the vote. Mr. Lemoff reminded the committee of his upcoming retirement and introduced Ms. Denise Beach who is his replacement.
4. **Review of Public Proposals.** The Committee re-opened discussion on the public and committee proposals to NFPA 59A. Committee actions will be presented in the Fall 2011 Report on Proposals (ROP) to be sent to all members and submitters of comments. Anyone else who would like to receive a free copy can view or download the ROP from the document information page, www.nfpa.org/59A.
5. **LNG III.** The committee directed NFPA Staff to contact the Gas Research Institute to request a copy of LNG III for review.
6. **National Fire Protection Research Foundation.** Ms. Kathleen Almand of the National Fire Protection Research Foundation reported on the activities of the NFPRF and encouraged the committee to consider utilizing this resource to support NFPA 59A requirements. A list of NFPRF projects is attached to these minutes. [**Attachment A**]
7. **Offshore LNG Facilities Standard.** The committee voted to pursue a standard on Offshore LNG Facilities. The request was submitted to the NFPA Standards Council for consideration in their October 2010 meeting. [NFPA SL NOTE: The Standards Council issued a request for public input in October 2010. The public input will be considered at the March 2011 Standards Council meeting.]
8. **NFPA News.** Ms. Linda Fuller reviewed the purpose and scope of NFPA News and encouraged the committee members to subscribe via the internet. The URL for NFPA News is:
[http://www.nfpa.org/categoryList.asp?categoryID=136&URL=Codes%20&%20Standards/NFPA%20News%20\(codes%20newsletter\)](http://www.nfpa.org/categoryList.asp?categoryID=136&URL=Codes%20&%20Standards/NFPA%20News%20(codes%20newsletter))
9. **Sandia Hydrogen Risk Report.** The report "Analyses to Support Development of Risk-Informed Separation Distances for Hydrogen Codes and Standards" is available from Sandia National Laboratories at this URL:
<http://prod.sandia.gov/techlib/access-control.cgi/2009/090874.pdf>
10. **Next Meeting.** The ROC meeting has been scheduled for April 27-28, 2011 at the Hyatt Regency O'Hare in Rosemont, IL.
11. **Adjournment.** The meeting adjourned on June 23, 2010.

**Attachment A:
List of NFPRF Projects**



THE FIRE PROTECTION RESEARCH FOUNDATION

2010 Fire Protection Research Foundation Projects

2010 was a banner year for the Fire Protection Research Foundation: twelve research projects which provided data and information on a large range of topics to improve the technical basis of NFPA codes and standards were completed. This represents a 25% increase in the number of projects completed at the Foundation in a given year. Those projects were:

Profiles on Residential Power Consumption

Analysis of the Performance of Residential Sprinkler Systems with Sloped/Beamed Ceilings

Measuring the Impact of Fire Extinguisher Agents on Cultural Resource Materials

Risk Factors for Fire Fighter Cardiovascular Disease

Quantitative Evaluation of Fire and EMS Mobilization Times

Fire Fighter Safety and Emergency Response for Electric Drive and Hybrid Electric Vehicles

Fire Fighter Safety and Emergency Response for Solar Power Systems

Antifreeze Solutions in Home Fire Sprinkler Systems

Tomorrow's Codes and Standards Volunteer

Glovebox Fire Protection: A Literature Review

Incentives for the Use of Residential Fire Sprinkler Systems in U.S. Communities

Evaluation of Health Care Operating Rooms as Wet/Dry Locations

A hallmark of the Foundation's process for the conduct of research is collaboration. Over 300 individuals served on Project Technical Panels, and sponsored or conducted projects Others also served on the Foundation's research planning councils and leadership Committees: through this work these individuals have made a substantive contribution to fire safety.